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# BONNER DURCHMUSTERUNG

## DES NÖRDLICHEN HIMMELS

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## Zweiter Band

**(Bonner Beobachtungen Band IV)**

enthaltend die Sternörter von + 20° bis + 41° Decl. für 1855.0

unter Mitwirkung von **E. Schönfeld** und **A. Krüger**

auf der Königlichen Sternwarte zu Bonn beobachtet und berechnet

von

**F. ARGELANDER**
Direktor der Sternwarte

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**Zweite berichtigte Auflage**

unter Mitwirkung von **F. Deichmüller**

bearbeitet von

**F. KÜSTNER**
Direktor der Sternwarte

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**Bonn**
A. Marcus und E. Weber's Verlag
1903

Astronom. Observatory.

# Einleitung.

## 1.

Der gegenwärtige Band enthält das Verzeichniss der auf der zweiten Section des Bonner Himmelsatlasses zwischen zwanzig und einundvierzig Grad nördlicher Declination verzeichneten Sterne; ihre Zahl ist 105075 oder über 16 auf den Quadratgrad. Hiernach ist die zweite Section verhältnissmässig reicher an Sternen als die erste, welche nur etwas über 14 Sterne auf den Quadratgrad ergab. Dieser grössere Reichthum ist wohl zum Theil nur scheinbar, und durch die Beobachtungsart selbst entstanden: Ein grosser Theil der Zonen aus der ersten Section ist zu der Zeit beobachtet, als der Cometensucher noch nicht mit dem Kellnerschen Ocular versehn war, und nicht so schwache Sterne zeigte, als später mit demselben. Auch die Exstinction des Lichts ist bei 40° Höhe schon bedeutend, und die Beobachter hatten natürlich Anfangs nicht die Uebung, die sie sich im Verlaufe der Beobachtungen angeeignet hatten, als die Zonen für die zweite Section begannen. Daher sind namentlich in den sternreichern Gegenden früher gewiss eine Menge schwächerer Sterne ausgelassen, während solche von gleicher Helligkeit in der zweiten Section beobachtet sind, zumal sie sich hier bei der langsamern Bewegung nicht so sehr drängten. Auch sind die Revisionen durch Revisionszonen und am Meridiankreise im Bereiche der zweiten Section zahlreicher gewesen, als in der ersten, bei der durch die Berliner und die Hindschen Charten so wie durch den Markree-Catalogue zahlreiche Hülfsmittel vorlagen, die sich ergebenden Zweifel ohne Revision zu lösen. Bei diesen Revisionen sind dann aber immer auch nicht nur eine Menge von solchen Sternen 9.10 Grösse constatirt worden, die in den Cometensucherzonen nur einmal vorkamen, und ohne diese Constatirung also auf den Charten und in dem Verzeichnisse keine Aufnahme gefunden hätten, sondern es sind auch häufig zwei schwächere nahe Sterne gefunden worden, wo die Cometensucherzonen nur einen hellern angaben.

Indess glaube ich doch diesen Umständen allein den grössern Sternreichthum der zweiten Section nicht zuschreiben zu dürfen, sondern halte ihn zum Theil für reell, erzeugt durch den verhältnissmässig grössern Theil der Milchstrasse, der in derselben liegt, zumal diese gerade im Schwan so überaus sternreich ist. Es zeigt sich diese grössere Gedrängtheit der Sterne nach Norden hin, der Milchstrasse zu, deutlich, wenn wir den ganzen Streifen in Unterabtheilungen theilen, wie dies aus dem folgenden Tableau hervorgeht, in welchem ich Zonen von 3° Breite angenommen, und diesen zur bessern Vergleichung noch die 3 nächsten 3° breiten Zonen aus der dritten Section hinzugefügt habe. Die erste Columne enthält die Gränzen der Zone, die zweite die Anzahl der in ihr um den ganzen Himmel herum befindlichen Sterne, die dritte gibt in Ganzen und Zehntheilen an, wie viel deren auf einen Quadratgrad kommen.

| | | |
|---|---|---|
| 20°—23° | 15437 | 15.3 |
| 23—26 | 14813 | 15.1 |
| 26—29 | 14135 | 14.8 |
| 29—32 | 15194 | 16.3 |
| 32—35 | 14679 | 16.3 |
| 35—38 | 15264 | 17.6 |
| 38—41 | 15577 | 18.7 |
| 41—44 | 14415 | 18.1 |
| 44—47 | 13238 | 17.5 |
| 47—50 | 12970 | 18.1 |

Wenn die ganze Arbeit geschlossen ist, werde ich eine mehr ins Detail gehende Uebersicht über die Vertheilung der Sterne am nördlichen Himmel mittheilen. Diese kann aber natürlich kein klares Bild geben, weil von den schwächern Sternen 9.10$^m$ in den sternarmen Gegenden nur sehr wenige, dagegen in den reichen ein sehr grosser, wenn nicht der grösste Theil ausgelassen sein wird. Es wäre aber gewiss für die Erkenntniss der Anordnung unsres Sternhaufens von der grössten Wichtigkeit, wenn wir hierüber genaue Abzählungen hätten, und zwar nicht allein über das Zahlenverhältniss der Sterne im Allgemeinen, sondern namentlich auch über das Verhältniss derselben in den verschiedenen Grössenclassen. Hieraus würde sich eine Entscheidung herbeiführen lassen über die Richtigkeit der älteren Herschelschen Ansicht von der Gestaltung unsres Milchstrassensystems, und ich glaube zu Gunsten derselben.

Wenn wir auch im Allgemeinen annehmen können, dass die schwächern Sterne auch die entferntern sind, so dürfen wir doch nicht ausser Acht lassen, dass ausser der Entfernung noch zwei andere Ursachen die Helligkeit derselben bedingen, ihre Grösse und ihre Leuchtkraft. Die Erfahrung also, dass wir gegen die Pole der Milchstrasse hin eben so schwache Sterne gewahr werden, als in dieser selbst, darf uns allein noch nicht zu dem Schlusse verleiten, dass unser Sternsystem nach allen Richtungen hin gleich ausgedehnt sei. Hierzu könnten wir uns nur berechtigt halten, wenn auch das numerische Verhältniss der hellern zu den schwächern Sternen überall das gleiche wäre. Sollte sich aber herausstellen, dass in gewissen Richtungen dieses Verhältniss ein bedeutend verschiedenes wäre, so würden wir daraus schliessen müssen, dass da wo eine bedeutend geringere Zahl von schwachen Sternen sich zeigt, diese nicht viel entfernter, sondern nur an sich schwächer sind, und dass daher die Ausdehnung unsres Systems eine geringere sei. Dass dies gegen den Nordpol der Milchstrasse hin wirklich der Fall ist, zeigt eine freilich rohe Schätzung. Ich habe nämlich die Zahl der Sterne verglichen, die auf gleichen Flächenräumen in der Nähe des Nordpols der Milchstrasse und in dieser selbst nach meiner Uranometrie, nach der Durchmusterung und nach den Herschelschen Sternaichungen vorkommen, für welche Sammlungen man als untere Helligkeitsgränzen, da unsre schwächern Sterne 9.10$^m$ gewiss eigentlich nur 10.$^m$ sind, die 6te, 10te und 18te Grösse wird annehmen können. Die Verhältnisse sind für die

| | |
|---|---|
| Uranometrie | 1 : 2.5 |
| Durchmusterung | 1 : 3.5 |
| Herschel | 1 : 35 |

Das Verhältniss für die Duchmusterung ist jedenfalls aus den pag. I angeführten Ursachen zu gering; ich glaube, dass es, wenn in beiden Gegenden die schwächsten Sterne gleichförmig berücksichtigt worden wären, etwa 1 : 4.5 bis 1 : 5 herausgekommen wäre, und es stellt sich also eine sehr starke Abnahme der Zahl der schwächern Sterne nach dem Pol der Milchstrasse hin deutlich heraus. Hierzu kommt noch, dass wir nach dem Nordpole der Milchstrasse hin so viele schwache Sterne mit starken eigenen Bewegungen finden, 1830 Gr. 7$^m$, LL. 21185 7$^m$, LL. 21258 8.9$^m$, Durchmusterung +15° No.

2620 8.9m mit den eigenen Bewegungen im Bogen des grössten Kreises von resp. 7".0, 4".7, 4".5, 2".5 und viele mit geringerer. Was also auch darauf hinzudeuten scheint, dass diese Sterne nicht wegen ihrer Entfernung, sondern wegen ihrer Kleinheit oder geringen Leuchtkraft so schwach erscheinen.

## 2.

Die Sicherheit der Beobachtungen ist in dieser zweiten Section nahe dieselbe wie in der ersten. Es liess sich dieses voraussetzen; denn wenn auch die Uebung der Beobachter im Laufe der Zeit eine grössere geworden war, und daher die Sicherheit hätte vermehrt werden sollen, so wurde der hierdurch erlangte Vortheil zum grossen Theile doch wieder dadurch aufgehoben, dass im Allgemeinen bedeutend mehr Sterne beobachtet worden sind, wie schon oben erwähnt worden, so dass auf jeden einzelnen geringere Zeit verwandt worden ist. Auch rührt gewiss ein bedeutender Theil der Unvollkommenheit von den Aufschreibern her, die fortwährend wechselten. Ich habe indess, um diese Voraussetzung, die ich bei der Zusammenstellung der Beobachtungen mir gebildet hatte, durch Zahlen zu prüfen, eine Reihe von Positionen auch aus dieser Section mit ihren genauer bestimmten Oertern verglichen. Ich habe dazu alle bei Bessel, Lalande oder in andern Catalogen vorkommenden oder am Bonner Meridiankreise bestimmten Sterne aus den geraden Stunden der Durchmusterungszone +37° ausgewählt, dabei aber, ebenso wie bei den Vergleichungen in der ersten Section alle Sterne ausgeschlossen, die in der Durchmusterung nur einmal vorkommen, so wie alle diejenigen, welche zwischen den einzelnen Bestimmungen solche Abweichungen zeigten, wegen deren sie, wenn ihr Dasein und ihre richtige Position nicht durch die früheren Bestimmungen sicher gestellt gewesen, untersucht worden wären. Bei dieser Gelegenheit untersuchte ich zugleich, ob sich in den Positionen constante Fehler fänden. Im Allgemeinen sind solche allerdings, bei der Art die Nullpunkte zu bestimmen, nicht gut möglich; da indessen zu dieser Bestimmung gewöhnlich die hellern Sterne angewandt worden sind, unter den jetzt untersuchten sich aber sehr viele schwächere, zum Theil Sterne 9.10m befinden, so vermuthete ich eigentlich, dass in Rectascension die negativen Fehler vorherrschen würden. Indess hat sich diese Vermuthung nur in sehr geringem Grade bestätigt, wie aus der folgenden Tabelle ersichtlich ist, in welcher die erste Columne die Angabe der betreffenden Stunde enthält, die zweite die mittlere Correction in AR., die dritte in Declination, die vierte die Zahl der verglichenen Sterne, die fünfte und sechste den mittlern aus der Summe der Fehler geschlossenen Fehler resp. in AR. und Decl., die siebente endlich die Zahl aller in der betreffenden Stunde vorkommenden Sterne.

| I. | II. | III. | IV. | V. | VI. | VII. |
|---|---|---|---|---|---|---|
| u | ″ | ′ | | ″ | ′ | |
| 0 | −0.24 | +0.27 | 51 | 0.85 | 0.57 | 215 |
| 2 | +0.34 | −0.22 | 73 | 0.74 | 0.46 | 227 |
| 4 | −0.08 | −0.13 | 44 | 0.65 | 0.27 | 179 |
| 6 | +0.44 | −0.27 | 85 | 0.97 | 0.42 | 235 |
| 8 | +0.12 | −0.10 | 49 | 1.02 | 0.50 | 118 |
| 10 | +0.55 | −0.08 | 42 | 0.81 | 0.35 | 106 |
| 12 | +0.64 | +0.12 | 34 | 1.29 | 0.57 | 110 |
| 14 | −0.27 | +0.19 | 55 | 0.70 | 0.49 | 112 |
| 16 | +0.06 | +0.34 | 48 | 0.76 | 0.52 | 127 |
| 18 | −0.05 | +0.12 | 58 | 0.84 | 0.60 | 315 |
| 20 | +0.08 | +0.26 | 61 | 0.55 | 0.53 | 414 |
| 22 | −0.28 | +0.21 | 62 | 0.85 | 0.51 | 280 |
| Mittel | +0.11 | +0.04 | 662 | 0.82 | 0.48 | |

Die Correctionen im Mittel +0".11 und +0'.04 sind als verschwindend zu betrachten, ebenso die einzelnen Correctionen, die in Declination sich herausstellen. Aber die starken positiven Correctionen

in AR., die einzelne Stunden erfordern, scheinen doch etwas reelles zu haben; es sind dies solche, in denen keine Revisionszonen beobachtet sind, obgleich nicht alle solche; denn in $14^s$ und $16^s$ sind auch keine Revisionszonen beobachtet und in $4^s$ und $22^s$ nur kleine Stücke. Nach einem leichten Ueberschlage stellt sich die Correction in AR., wo Revisionszonen vorhanden sind, auf $-0''.08$, wo nicht, auf $+0''.18$ heraus. Ebenso scheinen die Revisionszonen auch auf die Verringerung der mittlern Fehler keinen so bedeutenden Einfluss geübt zu haben, als man hätte erwarten können, und es geht hieraus hervor, dass in den ärmern Zonen sorgfältiger beobachtet worden ist; man erhält sie nämlich für die Gegenden der Revisionszonen $0''.73$ und $0'.53$, für die übrigen $0''.87$ und $0'.46$. Es scheint also durch die Revisionszonen keine bemerkenswerthe Ungleichförmigkeit in die Arbeit gekommen zu sein, sondern durch diese wirklich, wie es beabsichtigt war, die Ungleichförmigkeit aufgehoben zu sein, die aus dem so sehr verschiedenen Sternreichthum der einzelnen Gegenden des Himmels bei den Cometensucherzonen allein entstanden wäre.

Berechnet man nun aus den mittlern Fehlern die wahrscheinlichen, so erhält man $\varepsilon''(\alpha) = 0''.697$ $\varepsilon''(\alpha)\cos\delta = 0''.553$ und $\varepsilon''(\delta) = 0'.408$. Ich habe diese aber auch noch aus der Summe der Quadrate berechnet, und finde sie dann $\varepsilon''(\alpha) = 0''.748$, $\varepsilon''(\alpha)\cos\delta = 0'594$ und $\varepsilon''(\delta) = 0'.420$, alle etwas grösser als nach der frühern Rechnung. Es liegt dies an der auch sonst schon bei der Vergleichung der Theorie mit der Erfahrung bemerkten Erscheinung, dass in Wirklichkeit die grössern Fehler häufiger auftreten, als die Theorie gestattet. In unserm Falle ist die Vertheilung der Fehler folgendermassen gefunden worden:

| Zwischen | | | in AR. | | in Decl. | |
|---|---|---|---|---|---|---|
| | | | Theor. | Erf. | Theor. | Erf. |
| 0.00 | und | 0.05 | 24 | 39 | 42 | 73 |
| 0.05 | „ | 0.15 | 47 | 58 | 84 | 103 |
| 0.15 | „ | 0.25 | 47 | 51 | 81 | 83 |
| 0.25 | „ | 0.35 | 46 | 56 | 75 | 59 |
| 0.35 | „ | 0.45 | 45 | 45 | 69 | 59 |
| 0.45 | „ | 0.55 | 43 | 41 | 62 | 57 |
| 0.55 | „ | 0.65 | 41 | 34 | 53 | 37 |
| 0.65 | „ | 0.75 | 39 | 37 | 45 | 42 |
| 0.75 | „ | 0.85 | 36 | 42 | 37 | 34 |
| 0.85 | „ | 0.95 | 35 | 29 | 30 | 27 |
| 0.95 | „ | 1.05 | 31 | 33 | 24 | 21 |
| 1.05 | „ | 1.25 | 56 | 44 | 31 | 35 |
| 1.25 | „ | 1.45 | 45 | 36 | 16 | 20 |
| 1.45 | „ | 1.65 | 36 | 38 | 8 | 5 |
| 1.65 | „ | 1.85 | 28 | 19 | 3 | 3 |
| 1.85 | „ | 2.05 | 20 | 19 | 1 | 1 |
| 2.05 | „ | 2.55 | 29 | 21 | 1 | 3 |
| 2.55 | „ | 3.05 | 10 | 9 | | |
| 3.05 | „ | 3.55 | 3 | 2 | | |
| über | | 3.55 | 1 | 9 | | |
| | | | 662 | 662 | 662 | 662 |

Das Ueberwiegen der sehr grossen Fehler tritt hier besonders in AR. mit grosser Entschiedenheit hervor, findet aber auch ganz ungezwungen seine Erklärung in zufälligen Versehen der Aufschreiber in der Secundenzahl *), auf die, als discontinuirliche Fehler erzeugend, die Theorie keine Rücksicht nimmt und nehmen kann. Wenn nun hiernach allerdings die sehr grossen Fehler in unsern Positionen, besonders in den Rectascensionen sich häufiger finden werden, als sie den berechneten wahrscheinlichen Fehlern gemäss vorkommen sollten, so werden doch diese Fälle immer zu den sehr seltenen

*) Vergleiche Bessel fundamenta astronomiae p. 20.

gehören; es wird nach der Erfahrung bei 37°.5 Declination nur einmal unter 73 Fällen ein Fehler über 3″.5 vorkommen. Und dieser Uebelstand wird, wie ich glaube, dadurch vollständig compensirt, dass man in den meisten Fällen kleinere Fehler finden wird, als die Theorie es andeutet. Denn von den 662 Fehlern in AR. sind nach der Erfahrung 324 also fast die Hälfte unter 0″.7, 432 oder fast zwei Drittheile unter 1″.0, während die Theorie hierfür resp. 293 und 403 fordern würde; man würde nahe auf die Zahlen der Erfahrung kommen, wenn man die 9 grössten Fehler ausschliessen wollte, indem dann der wahrscheinliche Fehler auf 0″.681 herabkommen würde. Uebrigens darf doch auch nicht ausser Acht gelassen werden, dass manche Fehler in der Wirklichkeit kleiner sein dürften, als sie erscheinen, indem in den verglichenen genauern Positionen sich Versehn etwa von 1″ oder in der Declination der Besselschen Sterne von einer Revolution der Schraube = 0′.6, der Lalandischen von 1′ finden könnten, so wie auch eigene Bewegungen Einiges zur scheinbaren Vergrösserung der Fehler beigetragen haben werden. Auch aus der ersten Section habe ich neuerdings einige Vergleichungen angestellt, und zwar von solchen Sternen, die im Laufe der Arbeit am Bonner Meridiankreise vollständig bestimmt sind. Sie ergeben aus 280 Bestimmungen die wahrscheinlichen Fehler in AR. 0″.640, in Decl. 0′.404, also beide etwas kleiner, als ich sie früher aus 903 Bestimmungen gefunden hatte *), obgleich eigentlich der umgekehrte Fall hätte eintreten sollen, da die frühere Untersuchung sich auf Sterne zwischen 0° und 3° Declination bezogen hatte, während unter den jetzt verglichenen Sterne von allen Declinationen bis 20° vorkommen, und namentlich eine grosse Zahl schwächerer zwischen 10° und 14°, die eigens für diesen Zweck am Bonner Meridiankreise bestimmt wurden. Da nun die Zonen, auf welche die frühere Untersuchung sich bezog, zu den am frühesten beobachteten gehörten, so scheint es doch, als wenn die grössere Uebung die Sicherheit wenigstens etwas vermehrt hat. Uebrigens haben auch bei dieser Untersuchung sich die sehr grossen Fehler in AR. wieder häufiger gezeigt, als die Theorie es gestattet, nämlich 3 Fehler über 4″ statt eines kleinen Bruchtheiles.

Aus der Vergleichung der für etwa 1° und 37°.5 der Declination gefundenen wahrscheinlichen Fehler sieht man nun allerdings, dass die Unsicherheit der Rectascensionen nicht einfach im Verhältnisse der Secante der Declination zunimt, sondern gleichfalls aus einem constanten und einem variabeln Gliede zusammengesetzt ist, die Form und die Constanten dieses Verhältnisses zu bestimmen, reichen sie aber nicht hin. Eine solche Untersuchung muss daher auf eine spätere Zeit verschoben werden.

## 3.

Eine Vergleichung unsrer Grössen mit denen andrer Beobachter habe ich für diese Section nicht angestellt; ich glaube auch nicht, dass sie ein von der frühern bedeutend abweichendes Resultat gegeben haben würde, obgleich kleine Verschiedenheiten sich gewiss herausgestellt haben würden, und in der Natur der Sache liegen. Es ist nicht anzunehmen, dass wir trotz des besten Willens und aller angewandten Vorsicht im Laufe der Arbeit **genau** die gleiche Grössenschätzung sollten beibehalten haben; und eben so wenig ist dieses bei andern solchen Arbeiten vorauszusetzen; ja ich halte es für entschieden, dass Bessel wenigstens die schwächern Sterne in den spätern Zonen heller geschätzt hat, als in den frühern. Dafür haben sich nicht nur bei unsern Vergleichungen die sichersten Zeichen eingestellt, sondern es geht dies schon aus dem Umstande hervor, dass während in den frühern Zonen sich häufig Sterne als 9.10$^{m}$ geschätzt vorfinden, diese in den spätern fast ganz fehlen, während doch eher anzunehmen ist, dass in diesen im Ganzen wegen der langsamern Bewegung ärmern häufig noch schwächere Sterne beobachtet sein werden, als in den dem Aequator nähern frühern.

*) Band 3. p. XXIII.

Eben so wenig habe ich eine genaue Abzählung derjenigen Sterne vorgenommen, die, obgleich sicher vorhanden, bei uns ohne Grund fehlen. Ich kann nur versichern, dass ihre Zahl noch geringer ist, als in der 1ten Section.

Als veränderlich erkannt sind im Bereiche des gegenwärtigen Verzeichnisses bei Gelegenheit der Durchmusterung folgende Sterne mit den Positionen für 1855

| | | | | | | |
|---|---|---|---|---|---|---|
| R Andromedae | 0 | 16′ | 24.″5 | +37° | 46′ | 3 |
| R Arietis | 2 | 7 | 52.2 | +24 | 22.7 | |
| R Bootis | 14 | 30 | 47.8 | +27 | 22.0 | |
| T Herculis | 18 | 3 | 37.1 | +30 | 59.7 | |

Die Einrichtung des Verzeichnisses ist in allen Theilen der des frühern gleich, in der letzten Columne finden sich aber hin und wieder schon die neuen Buchstaben, G und J, deren ersterer auf den Catalog von Groombridge, der letztere auf den Radcliffe-Catalogue hinweist, und nur angesetzt ist, wo der betreffende Stern bei Groombridge nicht vorkommt, da bekanntlich alle von diesem beobachteten Sterne von Johnson wieder aufgesucht sind. Ausserdem bedeutet h in der Plejadengruppe, dass der betreffende Stern von Bessel am Königsberger Heliometer bestimmt ist, und W in der Präsepe deutet die Bestimmung des Sterns durch Herrn Dr. Winnecke am Bonner Heliometer an.

# Zone +20°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ᵘ | | +20° | | 0ᵘ | | +20° | | 0ᵘ | | +20° | | 0ᵘ | | +20° | | 0ᵘ—1ᵘ | | +20° | |
| m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 9.4 | 0 | 9.5 | 2.4 | 9.0 | 18 | 36.9 | 15.5 | K | 8.5 | 30 | 2.6 | 36.1 | 9.4 | 46 | 9.6 | 22.4 | 9.1 | 59 | 36.7 | 39.3 | |
| 9.5 | | 10.8 | 23.5 | 9.5 | | 52.0 | 8.5 | | 7.5 | | 4.2 | 18.5 | K | 8.8 | | 16.4 | 13.4 | K | 9.1 | 0 | 15.5 | 18.0 | Bb |
| 8.9 | | 20.7 | 2.1 | 9.5 | 19 | 12.1 | 54.9 | | 9.4 | | 15.4 | 5.0 | | 9.3 | | 29.7 | 19.3 | | 9.0 | | 34.1 | 40.0 | |
| 9.1 | | 21.6 | 55.6 | 7.3 | | 37.8 | 26.9 | K | 8.1 | 31 | 9.2 | 57.0 | K | 9.4 | | 41.8 | 12.8 | B | 9.5 | 1 | 1.3 | 6.7 | |
| 9.5 | | 56.8 | 6.3 | 9.5 | 20 | 47.2 | 4.1 | | 6.2 | | 49.6 | 28.4 | K | 8.9 | 47 | 16.2 | 31.4 | | 9.4 | | 20.6 | 52.7 | B |
| 9.0 | 1 | 6.3 | 47.5 | 9.4 | 21 | 8.5 | 41.6 | | 9.5 | 32 | 11.4 | 33.8 | | 8.3 | | 19.6 | 17.2 | K | 9.2 | | 40.0 | 13.6 | |
| 8.8 | | 42.2 | 15.2 | 9.0 | | 10.4 | 45.8 | B | 5.5 | | 18.6 | 39.6 | K | 9.5 | | 42.7 | 53.5 | | 9.5 | | 48.2 | 33.9 | |
| 9.4 | 2 | 50.3 | 45.8 | 9.0 | 22 | 0.6 | 34.8 | | 9.5 | | 23.8 | 54.6 | | 9.0 | 49 | 5.8 | 50.8 | | 9.5 | | 59.4 | 3.0 | |
| 9.5 | 3 | 51.4 | 28.8 | 9.4 | 23 | 6.5 | 26.6 | | 9.5 | 33 | 11.1 | 5.1 | | 7.0 | | 45.7 | 41.8 | Rb | 9.5 | 2 | 20.1 | 12.7 | |
| 9.5 | 4 | 45.3 | 0.6 | 9.5 | | 21.1 | 43.9 | | 7.0 | | 21.4 | 14.4 | K | 8.5 | 50 | 13.7 | 13.8 | K | 9.5 | 3 | 8.2 | 48.7 | |
| 9.4 | | 48.1 | 5.8 | 9.5 | | 49.2 | 29.7 | | 9.3 | | 56.9 | 30.3 | | 6.5 | | 36.4 | 36.6 | K | 8.8 | | 33.1 | 54.3 | |
| 8.5 | 5 | 44.2 | 36.7 | 8.5 | | 52.3 | 40.8 | | 9.5 | 34 | 7.2 | 18.6 | | 9.0 | | 44.6 | 19.3 | | 4.7 | | 40.6 | 15.8 | Kb |
| 9.5 | 6 | 33.7 | 54.0 | 7.3 | | 56.5 | 1.2 | K | 9.5 | 35 | 10.9 | 26.2 | | 9.1 | 51 | 4.9 | 17.9 | K | 9.5 | | 57.4 | 43.0 | |
| 9.3 | | 57.8 | 30.5 | 7.5 | | 56.6 | 18.6 | K | 8.9 | | 59.9 | 1.9 | Kb | 9.5 | | 15.9 | 26.2 | | 9.0 | | 57.4 | 33.0 | K |
| 7.2 | 7 | 27.6 | 43.4 | K | 9.5 | 24 | 0.1 | 8.0 | 9.0 | 36 | 37.1 | 25.2 | | 9.5 | | 17.2 | 17.0 | | 9.5 | 4 | 51.6 | 22.4 | |
| 9.4 | 8 | 18.1 | 30.3 | | 9.2 | | 0.7 | 50.2 | 9.0 | 37 | 11.7 | 40.8 | | 9.2 | | 39.8 | 0.2 | | 9.5 | | 55.2 | 8.3 | |
| 9.5 | 9 | 10.5 | 2.9 | 9.4 | | 9.5 | 4.2 | | 9.5 | | 48.3 | 16.9 | | 9.5 | 52 | 27.4 | 48.3 | | 9.0 | 5 | 35.1 | 25.1 | |
| 9.0 | | 30.7 | 57.8 | Kb | 9.5 | | 25.7 | 15.5 | 9.4 | 38 | 10.2 | 33.1 | | 9.5 | | 27.5 | 2.6 | | 9.0 | 6 | 15.7 | 42.4 | |
| 9.5 | 10 | 0.1 | 36.9 | B | 9.5 | | 33.0 | 58.6 | 9.4 | | 11.4 | 48.4 | R | 6.9 | | 44.9 | 26.8 | Kb | 9.5 | | 55.1 | 30.3 | |
| 9.2 | | 7.6 | 42.1 | | 9.4 | | 40.6 | 42.0 | 9.5 | | 18.6 | 52.0 | | 9.5 | 53 | 18.5 | 1.1 | | 9.5 | | 58.2 | 48.0 | |
| 9.5 | | 7.8 | 33.4 | | 8.5 | | 48.4 | 57.0 | 8.5 | | 55.2 | 42.4 | K | 9.4 | 54 | 13.0 | 48.0 | | 9.5 | 7 | 2.7 | 21.3 | |
| 8.5 | | 57.7 | 40.0 | | 9.5 | 25 | 23.5 | 47.0 | 9.5 | 39 | 3.3 | 8.7 | | 9.4 | | 14.1 | 42.8 | | 9.5 | 8 | 9.3 | 51.5 | |
| 9.5 | | 58.5 | 6.1 | | 9.0 | | 27.3 | 36.2 | 7.3 | | 5.9 | 50.3 | K | 9.5 | | 41.0 | 54.7 | | 9.5 | | 15.9 | 4.6 | |
| 9.0 | 11 | 38.5 | 2.8 | | 9.0 | | 54.7 | 3.7 | 9.3 | | 7.5 | 10.7 | B | 9.5 | 55 | 4.2 | 22.8 | | 9.5 | | 49.1 | 20.7 | |
| 9.4 | | 55.2 | 50.0 | B | 9.5 | 26 | 53.6 | 47.9 | 6.5 | 40 | 14.3 | 7.5 | K | 9.0 | 56 | 11.9 | 28.1 | | 9.5 | | 51.6 | 46.2 | |
| 9.5 | 12 | 40.1 | 41.0 | | 9.0 | | 55.5 | 34.4 | Kb | 8.4 | | 16.2 | 13.1 | K | 8.8 | | 17.3 | 11.0 | K | 7.0 | 9 | 1.1 | 18.6 | K |
| 9.3 | | 41.4 | 54.2 | | 9.0 | 27 | 4.1 | 36.9 | | 9.3 | | 44.3 | 48.9 | | 8.5 | | 47.1 | 43.5 | | 8.8 | | 12.5 | 5.5 | K |
| 9.5 | 13 | 6.7 | 11.5 | B | 9.5 | | 10.2 | 7.2 | | 9.0 | 41 | 5.7 | 15.2 | | 9.5 | | 53.7 | 50.8 | | 9.5 | | 32.2 | 4.5 | |
| 9.4 | 14 | 1.6 | 47.5 | | 9.5 | | 56.3 | 19.9 | B | 8.5 | | 22.6 | 45.9 | | 9.5 | 57 | 7.2 | 37.3 | | 9.5 | | 33.4 | 43.9 | |
| 8.9 | | 3.1 | 26.5 | K | 7.8 | 28 | 11.7 | 58.2 | K | 9.5 | | 26.7 | 53.3 | | 9.5 | | 8.3 | 3.9 | | 8.6 | | 34.4 | 9.8 | B |
| 9.3 | | 13.9 | 2.8 | | 8.7 | | 15.9 | 9.0 | K | 7.5 | 42 | 52.5 | 22.7 | K | 9.4 | | 12.7 | 0.5 | | 9.2 | | 34.5 | 17.0 | |
| 9.5 | | 33.2 | 33.5 | | 8.3 | | 17.9 | 31.9 | B | 8.7 | 43 | 11.9 | 55.1 | K | 9.2 | | 18.7 | 58.8 | | 8.5 | | 39.6 | 19.2 | B |
| 9.1 | | 47.7 | 45.2 | | 9.4 | | 32.6 | 36.5 | | 9.3 | | 25.3 | 55.7 | | 9.1 | | 35.2 | 50.0 | | 9.3 | 10 | 26.8 | 6.9 | |
| 8.5 | 15 | 6.4 | 52.2 | | 8.5 | | 42.4 | 46.8 | K | 9.5 | | 40.9 | 8.6 | B | 8.8 | | 47.4 | 20.7 | B | 9.0 | | 27.2 | 1.0 | K |
| 9.5 | | 54.1 | 46.5 | | 9.5 | | 50.4 | 43.8 | | 9.5 | 44 | 13.0 | 53.3 | | 8.9 | | 56.7 | 52.4 | | 9.5 | | 51.7 | 10.0 | |
| 9.5 | 17 | 33.9 | 25.9 | | 8.0 | | 51.3 | 15.6 | K | 9.5 | | 40.1 | 39.3 | | 5.0 | | 57.3 | 42.4 | K | 9.4 | 11 | 27.8 | 32.7 | |
| 9.5 | 18 | 3.5 | 1.1 | | 9.4 | | 52.2 | 51.8 | | 7.5 | | 46.4 | 36.9 | K | 6.0 | | 58.3 | 42.0 | K | 8.5 | | 38.7 | 6.4 | K |
| 8.1 | | 25.8 | 13.1 | K | 9.3 | 29 | 2.6 | 31.4 | | 9.3 | 45 | 21.2 | 5.7 | | 8.0 | 58 | 6.5 | 11.0 | K | 9.0 | | 53.6 | 30.1 | R |
| 9.2 | | 28.2 | 39.0 | Bb | 9.5 | | 38.2 | 15.1 | | 9.5 | | 44.7 | 30.0 | | 9.5 | 59 | 3.8 | 38.6 | | 9.0 | 12 | 26.2 | 8.6 | |
| 9.4 | | 28.3 | 4.4 | | 9.0 | | 42.7 | 49.0 | | 8.8 | | 47.1 | 36.6 | | 9.5 | | 18.5 | 2.4 | B | 8.6 | | 28.1 | 36.3 | R |
| | | + | + | | | | + | + | | | + | + | | | + | + | | | + | + | | |
| 10pr. | | 30.94 | 3.34 | 10pr. | | 31.27 | 3.32 | | 10pr. | | 31.56 | 3.29 | | 10pr. | | 31.88 | 3.25 | | 10pr. | | 32.16 | 3.20 | |

| 201—260 | | | | | 261—320 | | | | | 321—380 | | | | | 381—440 | | | | | 441—500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ᵐ | | +20° | | | 1ᵐ | | +20° | | | 1ᵐ—2ᵐ | | +20° | | | 2ᵐ | | +20° | | | 2ᵐ | | +20° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.7 | 13 | 3.0 | 51.7 | K | 8.0 | 30 | 0.4 | 32.1 | K | 9.5 | 51 | 34.1 | 28.2 | | 9.4 | 13 | 2.3 | 54.9 | | 9.4 | 31 | 45.0 | 28.4 | |
| 9.4 | | 7.3 | 2.9 | | 9.5 | | 14.6 | 12.4 | B | 6.5 | | 34.5 | 21.0 | K | 9.1 | | 56.1 | 0.5 | | 9.5 | 32 | 16.9 | 5.7 | |
| 9.5 | | 7.9 | 28.6 | | 9.4 | | 25.3 | 18.7 | | 9.3 | 52 | 13.9 | 17.5 | | 9.1 | 14 | 4.9 | 37.1 | B | 7.7 | | 19.6 | 33.6 | Lb |
| 9.4 | | 46.9 | 31.4 | B | 6.5 | | 41.4 | 40.5 | R | 9.5 | 53 | 35.3 | 15.8 | | 9.3 | | 11.3 | 5.7 | | 7.8 | | 27.8 | 35.9 | L |
| 8.9 | | 48.4 | 37.9 | K | 9.5 | 31 | 7.0 | 24.5 | | 9.5 | | 47.8 | 30.5 | | 8.5 | | 26.4 | 39.0 | K | 9.5 | | 49.2 | 55.8 | |
| 9.2 | 14 | 12.7 | 50.8 | | 9.5 | | 32.4 | 51.1 | | 8.2 | 54 | 26.0 | 39.3 | K | 9.4 | 15 | 32.1 | 59.5 | | 9.4 | | 58.4 | 0.3 | |
| 9.5 | 15 | 14.6 | 20.0 | | 9.5 | 33 | 15.3 | 45.8 | | 9.5 | 55 | 1.1 | 15.4 | B | 9.1 | | 34.8 | 24.3 | | 9.5 | 33 | 45.3 | 8.3 | |
| 9.1 | | 33.3 | 1.3 | Bb | 9.5 | | 15.5 | 9.4 | | 8.3 | | 33.5 | 34.4 | Kb | 8.5 | | 38.5 | 45.1 | K | 9.5 | | 59.9 | 40.4 | B |
| 9.5 | | 45.5 | 28.6 | | 9.5 | | 32.5 | 0.7 | | 9.5 | | 51.6 | 58.4 | | 9.2 | | 58.5 | 19.6 | b | 8.6 | 34 | 6.7 | 15.5 | |
| 9.5 | 16 | 2.7 | 9.3 | | 9.0 | 34 | 42.7 | 45.6 | B | 8.9 | | 53.1 | 50.0 | | 9 4 | 16 | 20.7 | 58.1 | | 9.5 | | 8.8 | 43.1 | |
| 9.5 | | 52.6 | 39.7 | | 9.0 | | 43.6 | 20.7 | | 9.5 | 56 | 9.4 | 53.3 | | 9.5 | | 31.6 | 41.7 | | 9.5 | 35 | 18.7 | 33.5 | |
| 9.4 | | 54.4 | 49.0 | | 9.5 | 35 | 4.9 | 46.7 | | 8.2 | | 24.3 | 20.2 | | 9.4 | 17 | 5.1 | 58.9 | | 7.2 | | 27.8 | 31.5 | K |
| 9.5 | 17 | 16.2 | 22.4 | | 8.8 | | 21.3 | 45.9 | K | 8.3 | | 37.7 | 29.3 | | 8 8 | | 46.7 | 52.3 | | 8.7 | | 41.9 | 21.3 | |
| 9.5 | 18 | 14.2 | 40.6 | B | 9.2 | | 41.6 | 15.5 | Rb | 8.8 | | 40.3 | 33.5 | | 9.4 | 18 | 1.4 | 25.2 | | 8.8 | 36 | 2.9 | 25.7 | K |
| 9.5 | | 21.1 | 1.2 | | 9.2 | 36 | 4.5 | 32.3 | K | 9.4 | 57 | 17.3 | 41.8 | B | 9.3 | | 23.3 | 58.4 | | 7.7 | | 33.6 | 59.3 | K |
| 9.5 | | 24.7 | 50.3 | | 9.5 | | 18.7 | 18.1 | | 9.4 | 58 | 38.6 | 15.5 | | 9.5 | | 29.4 | 57.0 | | 9.0 | | 54.8 | 46.0 | B |
| 9.5 | | 38.0 | 56.1 | | 9.5 | | 25.4 | 55.5 | | 9.5 | 59 | 35.6 | 18.3 | | 9.5 | 19 | 42.8 | 55.2 | | 9.3 | 37 | 27.3 | 1.5 | a |
| 9.0 | | 53.8 | 57.2 | | 9.5 | | 43.6 | 56.0 | | 9.5 | | 36.0 | 39.3 | | 9.3 | | 49.7 | 27.0 | B | 7.3 | | 35.3 | 4.0 | Kb |
| 9.5 | | 56.6 | 34.4 | | 9.5 | 37 | 53.7 | 18.5 | | 9.3 | 1 | 29.0 | 13.4 | b | 8.9 | 20 | 2.7 | 30.5 | | 9.5 | | 54.7 | 4.4 | B |
| 9.5 | 19 | 41.8 | 7.4 | | 9.5 | 38 | 24.3 | 26.8 | | 9.5 | 3 | 5.9 | 10.4 | | 9.4 | | 9.6 | 17.3 | | 9.4 | 38 | 2.5 | 28.5 | |
| 9.1 | | 42.5 | 18.5 | Bb | 9.4 | | 42.8 | 1.3 | | 7.5 | | 14.8 | 41.5 | K | 9.4 | | 29.4 | 17.8 | | 9.3 | | 31.5 | 47.5 | |
| 8.7 | | 43.6 | 57.6 | K | 9.5 | 39 | 12.0 | 43.0 | | 9.5 | | 16.3 | 12.4 | | 9.3 | | 42.1 | 32.6 | aB | 8.2 | 39 | 13.4 | 44.0 | B |
| 9.4 | 20 | 27.7 | 10.5 | B | 8.2 | | 13.0 | 27.5 | K | 8.4 | | 18.6 | 4.1 | K | 8.4 | | 45.6 | 32.4 | K | 9.3 | | 39.5 | 22.6 | |
| 9.5 | | 28.5 | 3.8 | | 9.5 | | 20.1 | 31.0 | | 9.5 | | 21.0 | 54.7 | | 7.5 | 21 | 5.3 | 57.0 | K | 9.5 | | 42.2 | 13.9 | |
| 9.5 | | 48.2 | 23.1 | | 8.5 | | 31.0 | 40.7 | K | 9.5 | | 53.4 | 41.8 | | 8.1 | | 12.8 | 11.6 | K | 9.2 | 40 | 9.0 | 20.1 | Bb |
| 7.8 | 21 | 7.4 | 59 0 | K | 9.3 | | 40.3 | 38.6 | B | 9.5 | 4 | 3.1 | 53.4 | | 9.4 | | 36.9 | 7.2 | | 9.1 | | 35.0 | 25.5 | |
| 9.2 | | 10.1 | 50.4 | Kb | 8.4 | 40 | 6.9 | 55.6 | K | 9.4 | | 4.5 | 50.7 | | 9.5 | | 50.0 | 53.5 | | 8.9 | | 55.0 | 39.1 | K |
| 9.2 | | 14.7 | 58.4 | | 9.5 | | 16.0 | 9.8 | | 5.5 | | 41.7 | 31.8 | K | 8.2 | 22 | 28.3 | 14.0 | K | 9.5 | 41 | 2.6 | 14.3 | B |
| 8.5 | | 34.5 | 15.5 | K | 9.0 | 41 | 8.5 | 39.3 | | 9.1 | | 49.6 | 3.7 | | 7.8 | | 33.0 | 23.6 | K | 9.5 | | 33.8 | 15.0 | |
| 9.4 | | 59.9 | 29.0 | | 9.3 | | 13.1 | 58.2 | | 9.5 | 5 | 31.8 | 43.0 | | 9.0 | | 44.4 | 51.6 | | 9.5 | 42 | 2.5 | 32.3 | |
| 8.9 | | 59.9 | 46.9 | | 9.5 | 42 | 0.5 | 54.8 | | 8.5 | | 57.6 | 8.2 | | 8.8 | | 56.9 | 25.5 | | 9.5 | | 23.5 | 12.2 | B |
| 9.5 | 22 | 4.0 | 48.5 | | 9.0 | | 11.7 | 29.7 | K | 9.0 | 6 | 1.1 | 48.9 | | 9.4 | | 58.6 | 39.2 | | 9.5 | 43 | 21.7 | 54.2 | |
| 9.5 | | 31.6 | 26.1 | | 9.5 | | 31.5 | 49.8 | | 9.4 | | 19.8 | 20.4 | | 9.5 | 23 | 19.1 | 58.9 | | 9.5 | 45 | 18.8 | 59.9 | |
| 9.5 | | 44.7 | 4.9 | | 8.8 | | 36.6 | 47.3 | B | 9.1 | | 22.3 | 25.5 | K | 7.3 | | 37.2 | 43.7 | K | 9.1 | 46 | 10.0 | 43.3 | b |
| 9.5 | | 46.1 | 8.5 | ? | 8.8 | | 40.5 | 37.4 | K | 9.4 | | 26.2 | 31.9 | | 9.4 | | 58.9 | 2.0 | | 8.6 | | 50.1 | 12.4 | B |
| 9.0 | 24 | 52.3 | 38.5 | K | 8.5 | 43 | 1.7 | 24.3 | Rb | 8.8 | | 31.5 | 40.5 | | 7.7 | 24 | 5.3 | 28.7 | K | 9.0 | 47 | 25.5 | 25.3 | |
| 9.3 | | 53.3 | 17.8 | B | 9.0 | | 2 7 | 46.5 | | 9.3 | | 44.9 | 16.2 | B | 9.5 | | 5.3 | 10.2 | | 8.8 | 48 | 28.5 | 50.2 | K |
| 9.5 | 25 | 6.8 | 50.3 | | 9.0 | | 33.3 | 39.5 | | 8.7 | | 49.0 | 19.3 | K | 8.1 | | 9.4 | 49.1 | K | 9.4 | 49 | 23.7 | 15.5 | B |
| 9.5 | | 9.3 | 44.3 | | 9.0 | 44 | 33.5 | 20.8 | R | 9.5 | 7 | 26.7 | 57.8 | | 9.4 | | 11.8 | 58.8 | | 9.5 | | 45.0 | 48.8 | |
| 9.0 | | 29.9 | 25.6 | Kb | 9.3 | 45 | 6.8 | 55.2 | | 9.5 | | 41.3 | 39.3 | | 9.4 | | 21.7 | 12.4 | | 6.0 | | 47.3 | 4.0 | K |
| 8.7 | 26 | 18.3 | 25.9 | K | 9.4 | | 21.9 | 17.8 | B | 9.4 | | 56.6 | 1.5 | | 8.7 | 25 | 5.1 | 19.4 | | 9.4 | 50 | 3.3 | 4.6 | B |
| 9.5 | | 32.4 | 48.1 | | 8.8 | | 26.0 | 54.5 | K | 9.5 | 8 | 20.1 | 37.6 | | 9.5 | | 15.9 | 12.2 | | 9.0 | | 15.5 | 39.9 | |
| 9.5 | | 45.8 | 21.8 | | 9.0 | | 40.1 | 34.4 | | 8.8 | | 55.0 | 53.3 | | 9.4 | | 24.9 | 6.0 | B | 9.2 | | 28.0 | 52.7 | |
| 9.0 | | 53.8 | 43.9 | | 9.4 | | 45.3 | 17.9 | B | 9.5 | | 59.1 | 20.6 | Bb | 8.8 | | 48.4 | 30.5 | | 4.2 | | 55.8 | 46.1 | Kb |
| 9.0 | | 54.7 | 0.6 | | 9.5 | 46 | 26.1 | 28.2 | | 9.5 | 9 | 1.8 | 38.9 | | 8.8 | 26 | 2.0 | 31.8 | | 8.7 | 51 | 21.7 | 56.8 | K |
| 9.5 | 27 | 17.3 | 32.9 | | 2.5 | | 37.5 | 5.8 | K | 9.3 | | 12.6 | 56.1 | | 9.0 | | 14.0 | 1.5 | | 9.5 | 52 | 14.5 | 30.2 | |
| 8.5 | | 24.6 | 14.9 | K | 8.7 | | 51.2 | 35.4 | | 9.5 | | 18.2 | 49.9 | | 9.5 | | 19.5 | 55.7 | | 9.5 | | 19.2 | 59.2 | |
| 9.5 | | 41.7 | 32.5 | | 9.3 | 47 | 22.5 | 18.8 | | 9.5 | | 41.4 | 1.2 | | 9.1 | | 20.1 | 51.4 | | 9.0 | | 20.8 | 27.4 | K |
| 9.2 | | 47.9 | 49.0 | | 8.8 | 48 | 10.8 | 37.4 | | 9.5 | | 46.8 | 21.5 | | 9.5 | 27 | 8.7 | 27.6 | | 9.4 | | 44.0 | 21.1 | a |
| 9 2 | | 54.2 | 4.6 | | 9.5 | | 39.7 | 19.6 | B | 9.5 | | 52.3 | 34.5 | | 9.5 | | 15.5 | 2.8 | | 9.5 | 54 | 4.5 | 15.0 | |
| 8.4 | | 57.4 | 57.0 | Kb | 9.1 | 49 | 7.6 | 49.8 | | 9.5 | 10 | 17.5 | 49.6 | B | 9.3 | | 37.0 | 14.5 | | 9.1 | | 26.0 | 22.2 | K |
| 9.4 | 28 | 23.9 | 54 9 | B | 8.9 | | 20.4 | 12.3 | | 9.5 | | 57.7 | 6.5 | | 8.5 | 28 | 2.5 | 15.0 | | 8.2 | | 42.0 | 58.7 | K |
| 9.5 | | 32.8 | 5.3 | | 9.5 | | 32.3 | 30.7 | | 9.5 | 11 | 19.1 | 19.8 | | 8.3 | | 33.8 | 4.0 | K | 8.8 | | 45.8 | 35.3 | K |
| 9.1 | | 40.7 | 49.7 | | 8.2 | | 55.4 | 39.6 | K | 9.0 | | 45.7 | 48.3 | | 9.4 | 29 | 14.7 | 44.6 | | 9.5 | 55 | 15.5 | 38.1 | |
| 9.1 | | 52.4 | 31.1 | | 9.5 | | 56.8 | 2.2 | B | 9.5 | | 47.5 | 26.7 | B | 9.0 | | 15.5 | 39.9 | | 9.4 | | 33.0 | 55.4 | |
| 9.0 | | 57.2 | 56.4 | R | 9.3 | 50 | 4.6 | 23.4 | | 8.8 | | 58.4 | 49.7 | Kb | 8.8 | | 22.3 | 47.0 | | 7.7 | | 56.1 | 54.4 | K |
| 9.4 | 29 | 3.6 | 53.2 | | 9.5 | | 7.7 | 1.2 | B | 9.5 | 12 | 5.5 | 27.4 | | 8.5 | | 22.7 | 31.5 | K | 9.5 | 56 | 4.5 | 41.5 | a |
| 8.5 | | 38.4 | 56.0 | K | 9.3 | 51 | 20.0 | 54.0 | | 9.4 | | 42.4 | 33.6 | | 8.6 | | 54.9 | 5.6 | | 9.5 | | 6.5 | 14.3 | |
| 9.3 | | 46.0 | 47.8 | | 9.0 | | 25.8 | 47.3 | | 9.0 | | 44.8 | 41.4 | | 9.3 | 30 | 20.4 | 46.3 | | 9.5 | 57 | 7.5 | 38.5 | |
| 9.5 | | 54.3 | 13.0 | | 9.0 | | 32.8 | 18.5 | K | 9.4 | | 50.2 | 45.0 | | 9.5 | | 26.9 | 38.2 | | 9.5 | | 12.3 | 7.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 32.47 | 3.13 | | 10pr. | | 32.86 | 3.02 | | 10pr. | | 33.33 | 2.85 | | 10pr. | | 33.63 | 2.71 | | 10pr. | | 33.97 | 2.54 | |

501—560

| | 2ᵘ—3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.5 | 57 13.0 | 19.8 | K |
| 9.5 | 26.5 | 0.2 | |
| 9.5 | 58 3.0 | 20.8 | B |
| 9.1 | 7.8 | 32.6 | |
| 8.5 | 21.3 | 5.2 | Kb |
| 9.5 | 27.0 | 46.7 | *a* |
| 8.5 | 34.0 | 18.1 | |
| 9.5 | 59 17.5 | 42.2 | |
| 9.5 | 43.3 | 49.5 | |
| 9.0 | 0 28.0 | 39.1 | |
| 8.7 | 54.5 | 11.2 | B |
| 9.5 | 55.8 | 27.8 | |
| 9.5 | 56.7 | 33.7 | |
| 6.9 | 1 2.3 | 12.4 | K |
| 9.5 | 52.1 | 32.8 | |
| 7.8 | 54.5 | 42.7 | K |
| 9.4 | 2 47.0 | 33.3 | |
| 8.6 | 55.0 | 32.9 | K |
| 8.7 | 3 0.0 | 20.9 | B |
| 9.5 | 13.5 | 25.6 | |
| 9.0 | 54.3 | 55.2 | |
| 8.5 | 4 43.3 | 10.8 | |
| 9.1 | 46.0 | 46.0 | |
| 9.5 | 5 22.4 | 43.0 | |
| 9.5 | 46.5 | 36.0 | |
| 9.4 | 6 3.5 | 3.1 | |
| 4.5 | 34.5 | 30.5 | Kb |
| 8.7 | 7 9.9 | 3.0 | K |
| 8.3 | 25.0 | 39.1 | R |
| 8.0 | 34.2 | 9.6 | B |
| 9.4 | 40.8 | 29.8 | B |
| 9.3 | 44.0 | 57.8 | |
| 9.5 | 8 9.5 | 38.7 | |
| 9.5 | 37.1 | 4.3 | |
| 9.5 | 9 12.9 | 4.4 | |
| 9.1 | 10 20.4 | 12.5 | *b* |
| 9.4 | 24.0 | 33.9 | |
| 9.2 | 50.6 | 49.5 | |
| 8.7 | 11 31.8 | 57.1 | |
| 9.5 | 44.7 | 33.6 | |
| 8.6 | 12 38.8 | 7.1 | B |
| 9.5 | 41.2 | 28.0 | |
| 5.0 | 51.0 | 37.3 | R |
| 8.7 | 13 6.4 | 55.1 | K |
| 9.4 | 28.0 | 30.4 | |
| 9.5 | 36.2 | 56.2 | |
| 9.4 | 50.5 | 3.0 | B |
| 9.3 | 54.6 | 5.3 | B |
| 9.5 | 14 0.2 | 10.3 | B |
| 9.5 | 8.5 | 35.0 | |
| 5.0 | 24.8 | 13.4 | K |
| 9.5 | 26.1 | 46.3 | |
| 9.5 | 58.0 | 58.5 | |
| 7.0 | 58.5 | 27.0 | K |
| 9.5 | 15 13.8 | 28.3 | |
| 5.8 | 16 4.2 | 17.4 | Kb |
| 9.4 | 16.2 | 42.2 | |
| 8.0 | 51.0 | 41.5 | K |
| 9.5 | 17 2.5 | 22.5 | |
| 9.1 | 8.0 | 7.9 | Bb |
| | + | + | |
| *10pr.* | *34.36* | *2.28* | |

561—620

| | 3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 17 8.0 | 10.3 | |
| 9.4 | 9.2 | 8.8 | |
| 9.5 | 22.2 | 38.1 | |
| 9.5 | 26.3 | 56.4 | |
| 9.5 | 59.7 | 29.1 | |
| 9.5 | 18 1.5 | 41.1 | *a* |
| 9.5 | 7.5 | 37.2 | |
| 8.8 | 19.0 | 55.5 | |
| 9.5 | 36.2 | 56.0 | |
| 9.5 | 55.5 | 36.5 | |
| 9.5 | 19 16.5 | 32.9 | |
| 7.7 | 28.1 | 25.3 | K |
| 7.2 | 20 25.9 | 6.6 | K |
| 9.0 | 21 4.5 | 35.3 | Rb |
| 9.5 | 14.1 | 58.3 | |
| 9.5 | 22.5 | 22.2 | |
| 9.5 | 51.0 | 26.6 | |
| 8.2 | 22 54.0 | 16.6 | B |
| 9.5 | 56.8 | 49.5 | |
| 9.5 | 23 7.0 | 49.1 | |
| 9.4 | 27.3 | 53.9 | |
| 9.5 | 31.2 | 24.2 | |
| 9.5 | 31.6 | 4.2 | |
| 9.5 | 40.1 | 55.4 | |
| 9.5 | 24 0.5 | 15.0 | |
| 9.5 | 13.2 | 19.5 | |
| 9.5 | 18.8 | 5.0 | |
| 9.5 | 37.7 | 56.4 | |
| 9.5 | 25 24.2 | 31.2 | |
| 9.5 | 36.3 | 4.7 | |
| 9.5 | 44.6 | 52.4 | |
| 9.5 | 48.2 | 14.0 | |
| 9.5 | 26 6.3 | 2.9 | |
| 9.5 | 13.3 | 6.6 | B |
| 9.5 | 22.0 | 56.6 | |
| 8.3 | 32.3 | 31.5 | K |
| 9.5 | 27 22.2 | 41.8 | |
| 9.0 | 29 7.3 | 51.4 | Kb |
| 9.5 | 39.5 | 36.4 | |
| 9.5 | 30 7.5 | 48.8 | |
| 9.5 | 25.8 | 13.9 | |
| 6.0 | 35.3 | 26.0 | L |
| 9.4 | 57.5 | 42.5 | |
| 9.0 | 59.6 | 50.7 | K |
| 9.4 | 31 20.3 | 7.0 | |
| 9.3 | 36.3 | 44.7 | B |
| 7.0 | 56.2 | 56.2 | Kb |
| 8.7 | 32 39.9 | 11.2 | |
| 9.5 | 49.2 | 43.7 | |
| 9.3 | 52.4 | 7.4 | |
| 9.5 | 33 49.3 | 4.2 | |
| 9.5 | 52.7 | 21.1 | |
| 9.5 | 54.2 | 29.9 | |
| 9.5 | 55.2 | 42.3 | |
| 9.5 | 34 1.8 | 5.4 | |
| 7.9 | 13.4 | 48.6 | K |
| 9.5 | 35 2.3 | 56.7 | |
| 8.2 | 11.9 | 15.8 | P |
| 9.5 | 56.1 | 12.4 | |
| 8.9 | 57.7 | 2.0 | K |
| | + | + | |
| *10pr.* | *34.62* | *2.08* | |

621—680

| | 3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 6.2 | 36 3.4 | 28.0 | B |
| 8.0 | 19.2 | 17.4 | K |
| 9.5 | 57.3 | 18.3 | B |
| 8.0 | 37 5.2 | 47.3 | Kb |
| 9.5 | 8.2 | 36.0 | |
| 9.5 | 46.0 | 58.7 | B |
| 9.3 | 48.1 | 7.6 | |
| 9.0 | 38 6.2 | 26.2 | |
| 9.2 | 17.8 | 55.4 | |
| 9.5 | 25.2 | 55.1 | |
| 9.1 | 34.2 | 20.0 | |
| 9.5 | 56.0 | 55.6 | |
| 9.5 | 39 2.4 | 7.6 | B |
| 9.5 | 16.3 | 48.7 | B |
| 9.5 | 23.2 | 23.4 | |
| 9.5 | 30.2 | 30.7 | |
| 8.2 | 43.9 | 54.5 | K |
| 8.0 | 40 34.1 | 52.6 | K |
| 9.5 | 42.2 | 21.2 | |
| 9.5 | 57.2 | 18.8 | |
| 9.5 | 41 4.0 | 2.0 | |
| 9.5 | 14.2 | 59.2 | |
| 8.5 | 21.2 | 43.0 | K |
| 9.0 | 59.0 | 30.6 | |
| 9.5 | 42 18.1 | 58.2 | |
| 9.5 | 23.2 | 56.1 | |
| 8.9 | 34.9 | 30.7 | |
| 9.4 | 43.1 | 7.7 | |
| 9.4 | 43 40.0 | 16.8 | |
| 9.5 | 47.2 | 32.9 | |
| 9.5 | 45 1.1 | 30.5 | |
| 9.5 | 7.6 | 5.5 | |
| 9.2 | 27.5 | 53.8 | |
| 8.9 | 30.8 | 9.5 | Bb |
| 9.4 | 31.2 | 23.8 | |
| 9.3 | 54.2 | 39.6 | |
| 9.5 | 58.6 | 44.4 | |
| 9.5 | 58.9 | 58.6 | |
| 9.5 | 46 29.7 | 33.5 | |
| 8.9 | 30.3 | 27.1 | B |
| 9.5 | 47.2 | 52.2 | |
| 9.5 | 50.2 | 15.9 | |
| 9.2 | 47 34.6 | 13.9 | |
| 8.2 | 39.2 | 21.8 | K |
| 9.5 | 44.2 | 39.0 | |
| 9.1 | 48 29.6 | 10.1 | |
| 9.5 | 30.7 | 24.6 | |
| 8.4 | 38.1 | 52.3 | K |
| 7.5 | 42.8 | 54.5 | K |
| 8.8 | 52.9 | 13.9 | |
| 9.5 | 49 30.3 | 39.4 | |
| 9.2 | 30.7 | 15.3 | Kb |
| 9.5 | 35.2 | 35.2 | |
| 8.6 | 50 8.7 | 44.4 | L |
| 9.5 | 17.6 | 43.3 | B |
| 9.3 | 18.6 | 5.0 | |
| 9.5 | 22.0 | 58.8 | |
| 9.3 | 51 12.7 | 2.6 | |
| 9.5 | 13.2 | 27.6 | |
| 8.0 | 19.6 | 53.6 | K |
| | + | + | |
| *10pr.* | *34.86* | *1.87* | |

681—740

| | 3ᵘ—4ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 51 28.6 | 57.4 | B |
| 9.5 | 32.2 | 45.7 | |
| 9.1 | 34.1 | 57.2 | aB |
| 8.4 | 52 14.2 | 0.4 | K |
| 9.4 | 36.3 | 0.7 | |
| 9.5 | 53 7.1 | 11.7 | B |
| 9.5 | 44.0 | 30.2 | |
| 8.8 | 54 16.6 | 38.2 | K |
| 9.4 | 27.1 | 50.0 | |
| 9.2 | 30.0 | 45.6 | B |
| 9.3 | 35.3 | 45.9 | B |
| 8.0 | 55 27.1 | 40.2 | K |
| 9.5 | 30.7 | 21.0 | |
| 8.8 | 50.5 | 16.5 | B |
| 8.5 | 56 27.0 | 27.2 | K |
| 8.8 | 57 14.3 | 48.6 | |
| 9.4 | 31.4 | 2.2 | |
| 8.6 | 44.1 | 16.1 | K |
| 8.8 | 47.9 | 44.1 | |
| 9.4 | 58 24.8 | 41.6 | B |
| 8.7 | 36.3 | 52.9 | K |
| 9.5 | 59 11.4 | 6.7 | |
| 9.2 | 11.6 | 53.0 | K |
| 9.1 | 0 11.3 | 17.5 | Bb |
| 9.5 | 51.9 | 2.4 | |
| 9.5 | 55.2 | 34.7 | B |
| 9.5 | 1 31.6 | 8.2 | |
| 9.4 | 31.8 | 58.8 | |
| 9.4 | 35.0 | 48.7 | B |
| 9.5 | 48.0 | 14.6 | |
| 9.5 | 3 2.0 | 37.5 | |
| 9.5 | 20.1 | 30.0 | |
| 9.5 | 32.4 | 6.7 | |
| 9.0 | 33.1 | 42.1 | |
| 9.0 | 43.0 | 21.2 | K |
| 9.0 | 4 16.0 | 20.9 | K |
| 9.5 | 5 23.4 | 41.1 | |
| 9.5 | 6 25.6 | 16.7 | |
| 9.5 | 51.0 | 21.2 | |
| 8.7 | 7 3.5 | 55.1 | K |
| 8.1 | 10.8 | 26.9 | K |
| 9.5 | 30.6 | 12.9 | |
| 9.5 | 58.2 | 16.7 | |
| 5.7 | 8 46.6 | 13.6 | Kb |
| 8.8 | 49.2 | 8.2 | K |
| 9.5 | 55.6 | 42.8 | |
| 9.2 | 57.3 | 11.7 | B |
| 9.5 | 9 6.6 | 31.3 | |
| 9.5 | 11.7 | 39.1 | B |
| 9.5 | 50.0 | 30.6 | |
| 8.8 | 10 27.9 | 57.0 | K |
| 9.5 | 39.1 | 1.5 | |
| 6.2 | 53.2 | 47.7 | Kb |
| 9.5 | 11 0.0 | 47.0 | |
| 9.0 | 1.1 | 41.7 | K |
| 9.5 | 12 13.3 | 5.8 | B |
| 9.5 | 18.0 | 33.9 | |
| 9.5 | 36.5 | 51.9 | |
| 9.5 | 55.5 | 10.1 | |
| 7.0 | 59.2 | 42.2 | K |
| | + | + | |
| *10pr.* | *35.07* | *1.65* | |

741—800

| | 4ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.2 | 13 3.2 | 50.3 | R |
| 9.5 | 28.1 | 11.5 | |
| 9.5 | 53.0 | 21.8 | |
| 6.5 | 53.1 | 28.3 | K |
| 9.4 | 14 32.0 | 28.1 | K |
| 9.0 | 35.9 | 52.4 | R |
| 9.2 | 47.6 | 14.2 | |
| 9.3 | 49.5 | 50.8 | K |
| 9.0 | 55.9 | 5.6 | |
| 9.0 | 58.0 | 30.3 | K |
| 8.7 | 15 0.2 | 37.9 | K |
| 6.2 | 16.0 | 35.2 | |
| 9.3 | 16 15.6 | 46.1 | Rb |
| 9.1 | 17 15.0 | 48.8 | K |
| 8.6 | 18 13.7 | 35.5 | |
| 9.5 | 36.5 | 40.0 | Rb |
| 8.6 | 55.8 | 1.0 | |
| 9.5 | 19 48.5 | 32.1 | |
| 9.4 | 51.7 | 42.2 | |
| 8.8 | 20 6.6 | 30.7 | |
| 8.3 | 10.1 | 20.9 | R |
| 9.5 | 29.0 | 16.7 | |
| 9.4 | 21 0.8 | 54 0 | |
| 9.1 | 21.9 | 32.7 | *a* |
| 9.5 | 33.1 | 36.2 | |
| 9.2 | 33.4 | 33.1 | R |
| 8.7 | 36.1 | 39.8 | K |
| 9.5 | 49.5 | 39.1 | |
| 9.4 | 53.6 | 13.9 | |
| 9.5 | 22 13.5 | 55.8 | |
| 9.4 | 23 5.6 | 58.6 | |
| 9.0 | 5.7 | 28.2 | |
| 9.5 | 27.0 | 17.0 | |
| 9.5 | 25 2.0 | 51.2 | |
| 9.4 | 43.7 | 11.7 | |
| 8.5 | 26 0.6 | 48.4 | K |
| 9.3 | 2.0 | 2.2 | *b* |
| 8.3 | 12.1 | 48.7 | K |
| 9.5 | 23.0 | 45.3 | |
| 9.5 | 37.4 | 51.2 | |
| 9.3 | 27 9.3 | 10.9 | |
| 9.5 | 28 18.0 | 31.3 | |
| 9.0 | 21.6 | 44.9 | |
| 9.5 | 40.0 | 13.6 | *B* |
| 6.0 | 29 43.2 | 23.7 | K |
| 9.1 | 55.7 | 50.2 | *b* |
| 9.5 | 30 0.8 | 56.5 | |
| 9.5 | 12.6 | 37.6 | |
| 9.3 | 18.4 | 29.3 | B |
| 8.8 | 25.7 | 17.1 | K |
| 9.1 | 31 1.1 | 27.9 | |
| 9.4 | 13.9 | 59.3 | |
| 9.1 | 15.8 | 47.1 | R |
| 9.3 | 22.4 | 24.1 | |
| 9.5 | 32.5 | 47.4 | B |
| 8.8 | 37.0 | 15.0 | K |
| 9.5 | 44.4 | 47.6 | |
| 9.4 | 52.5 | 49.4 | R |
| 9.1 | 32 10.6 | 34.5 | |
| 9.0 | 17.1 | 0.7 | K |
| | + | + | |
| *10pr.* | *35.27* | *1.38* | |

| 201—260 | | | | | 261—320 | | | | | 321—380 | | | | | 381—440 | | | | | 441—500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ª | | +20° | | | 1ª | | +20° | | | 1ª—2ª | | +20° | | | 2ª | | +20° | | | 2ª | | +20° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.7 | 13 | 3.0 | 51.7 | K | 8.0 | 30 | 0.4 | 32.1 | K | 9.5 | 51 | 34.1 | 28.2 | | 9.4 | 13 | 2.3 | 54.9 | | 9.4 | 31 | 45.0 | 28.4 | |
| 9.4 | | 7.3 | 2.9 | | 9.5 | | 14.6 | 12.4 | B | 6.5 | | 34.5 | 21.0 | K | 9.1 | | 56.1 | 0.5 | | 9.5 | 32 | 16.9 | 5.7 | |
| 9.5 | | 7.9 | 28.6 | | 9.4 | | 25.3 | 18.7 | | 9.3 | 52 | 13.9 | 17.5 | | 9.1 | 14 | 4.9 | 37.1 | B | 7.7 | | 19.6 | 33.6 | Lb |
| 9.4 | | 46.9 | 31.4 | B | 6.5 | | 41.4 | 40.5 | R | 9.5 | 53 | 35.3 | 15.8 | | 9.3 | | 11.3 | 5.7 | | 7.8 | | 27.8 | 35.9 | L |
| 8.9 | | 48.4 | 37.9 | K | 9.5 | 31 | 7.0 | 24.5 | | 9.5 | | 47.8 | 30.5 | | 8.5 | | 26.4 | 39.0 | K | 9.5 | | 49.2 | 55.8 | |
| 9.2 | 14 | 12.7 | 50.8 | | 9.5 | | 32.4 | 51.1 | | 8.2 | 54 | 26.0 | 39.3 | K | 9.4 | 15 | 32.1 | 59.5 | | 9.4 | | 58.4 | 0.3 | |
| 9.5 | 15 | 14.6 | 20.0 | | 9.5 | 33 | 15.3 | 45.8 | | 9.5 | 55 | 1.1 | 15.4 | B | 9.1 | | 34.8 | 24.3 | | 9.5 | 33 | 45.3 | 8.3 | |
| 9.1 | | 33.3 | 1.3 | Bb | 9.5 | | 15.5 | 9.4 | | 8.3 | | 33.5 | 34.4 | Kb | 8.5 | | 38.5 | 45.1 | K | 9.5 | | 59.9 | 40.4 | B |
| 9.5 | | 45.5 | 28.6 | | 9.5 | | 32.5 | 0.7 | | 9.5 | | 51.6 | 58.4 | | 9.2 | | 58.5 | 19.6 | b | 8.6 | 34 | 6.7 | 15.5 | |
| 9.5 | 16 | 2.7 | 9.3 | | 9.0 | 34 | 42.7 | 45.6 | B | 8.9 | | 53.1 | 50.0 | | 9 4 | 16 | 20.7 | 58.1 | | 9.5 | | 8.8 | 43.1 | |
| 9.5 | | 52.6 | 39.7 | | 9.0 | | 43.6 | 20.7 | | 9.5 | 56 | 9.4 | 53.3 | | 9.5 | | 31.6 | 41.7 | | 9.5 | 35 | 18.7 | 33.5 | |
| 9.4 | | 54.4 | 49.0 | | 9.5 | 35 | 4.9 | 46.7 | | 8.2 | | 24.3 | 20.2 | | 9.4 | 17 | 5.1 | 58.9 | | 7.2 | | 27.8 | 31.5 | K |
| 9.5 | 17 | 16.2 | 22.4 | | 8.8 | | 21.3 | 45.9 | K | 8.3 | | 37.7 | 29.3 | | 8 8 | | 46.7 | 52.3 | | 8.7 | | 41.9 | 21.3 | |
| 9.5 | 18 | 14.2 | 40.6 | B | 9.2 | | 41.6 | 15.5 | Rb | 8.8 | | 40.3 | 33.5 | | 9.4 | 18 | 1.4 | 25.2 | | 8.8 | 36 | 2.9 | 25.7 | K |
| 9.5 | | 21.1 | 1.2 | | 9.2 | 36 | 4.5 | 32.3 | K | 9.4 | 57 | 17.3 | 41.8 | B | 9.3 | | 23.3 | 58.4 | | 7.7 | | 33.6 | 59.3 | K |
| 9.5 | | 24.7 | 50.3 | | 9.5 | | 18.7 | 18.1 | | 9.4 | 58 | 38.6 | 15.5 | | 9.5 | | 29.4 | 57.0 | | 9.0 | | 54.8 | 46.0 | B |
| 9.5 | | 38.0 | 56.1 | | 9.5 | | 25.4 | 55.5 | | 9.5 | 59 | 35.6 | 18.3 | | 9.5 | 19 | 42.8 | 55.2 | | 9.3 | 37 | 27.3 | 1.5 | a |
| 9.0 | | 53.8 | 57.2 | | 9.5 | | 43.6 | 56.0 | | 9.5 | | 36.0 | 39.3 | | 9.3 | | 49.7 | 27.0 | B | 7.3 | | 35.3 | 4.0 | Kb |
| 9.5 | | 56.6 | 34.4 | | 9.5 | 37 | 53.7 | 18.5 | | 9.3 | 1 | 29.0 | 13.4 | b | 8.9 | 20 | 2.7 | 30.5 | | 9.5 | | 54.7 | 4.4 | B |
| 9.5 | 19 | 41.8 | 7.4 | | 9.5 | 88 | 24.3 | 26.8 | | 9.5 | 3 | 5.9 | 10.4 | | 9.4 | | 9.6 | 17.3 | | 9.4 | 38 | 2.5 | 28.5 | |
| 9.1 | | 42.5 | 18.5 | Bb | 9.4 | | 42.8 | 1.3 | | 7.5 | | 14.8 | 41.5 | K | 9.4 | | 29.4 | 17.8 | | 9.3 | | 31.5 | 47.5 | |
| 8.7 | | 43.6 | 57.6 | K | 9.5 | 39 | 12.0 | 43.0 | | 9.5 | | 16.3 | 12.4 | | 9.3 | | 42.1 | 32.6 | aB | 8.2 | 39 | 13.4 | 44.0 | B |
| 9.4 | 20 | 27.7 | 10.5 | B | 8.2 | | 13.0 | 27.5 | K | 8.4 | | 18.6 | 4.1 | K | 8.4 | | 45.6 | 32.4 | K | 9.3 | | 39.5 | 22.6 | |
| 9.5 | | 28.5 | 3.8 | | 9.5 | | 20.1 | 31.0 | | 9.5 | | 21.0 | 54.7 | | 7.5 | 21 | 5.3 | 57.0 | K | 9.5 | | 42.2 | 13.9 | |
| 9.5 | | 48.2 | 23.1 | | 8.5 | | 31.0 | 40.7 | K | 9.5 | | 53.4 | 41.8 | | 8.1 | | 12.8 | 11.6 | K | 9.2 | 40 | 9.0 | 20.1 | Rb |
| 7.8 | 21 | 7.4 | 59 0 | K | 9.3 | | 40.3 | 38.6 | B | 9.5 | 4 | 3.1 | 53.4 | | 9.4 | | 36.9 | 7.2 | | 9.1 | | 35.0 | 25.5 | |
| 9.2 | | 10.1 | 50.4 | Kb | 8.4 | 40 | 6.9 | 55.6 | K | 9.4 | | 4.5 | 50.7 | | 9.5 | | 50.0 | 53.5 | | 8.9 | | 55.0 | 39.1 | K |
| 9.2 | | 14.7 | 58.4 | | 9.5 | | 16.0 | 9.8 | | 5.5 | | 41.7 | 31.8 | K | 8.2 | 22 | 28.3 | 14.0 | K | 9.5 | 41 | 2.6 | 14.3 | B |
| 8.5 | | 34.5 | 15.5 | K | 9.0 | 41 | 8.5 | 39.3 | | 9.1 | | 49.6 | 3.7 | | 7.8 | | 33.0 | 23.6 | K | 9.5 | | 33.8 | 15.0 | |
| 9.4 | | 59.9 | 29.0 | | 9.3 | | 13.1 | 58.2 | | 9.5 | 5 | 31.8 | 43.0 | | 9.0 | | 44.4 | 51.6 | | 9.5 | 42 | 2.5 | 32.3 | |
| 8.9 | | 59.9 | 46.9 | | 9.5 | 42 | 0.5 | 54.8 | | 8.5 | | 57.6 | 8.2 | | 8.8 | | 56.9 | 25.5 | | 9.5 | | 23.5 | 12.2 | B |
| 9.5 | 22 | 4.0 | 48.5 | | 9.0 | | 11.7 | 29.7 | K | 9.0 | 6 | 1.1 | 48.9 | | 9.4 | | 58.6 | 39.2 | | 9.5 | 43 | 21.7 | 54.2 | |
| 9.5 | | 31.6 | 26.1 | | 9.5 | | 31.5 | 49.8 | | 9.4 | | 19.8 | 20.4 | | 9.5 | 23 | 19.1 | 58.9 | | 9.5 | 45 | 18.8 | 59.9 | |
| 9.5 | | 44.7 | 4.9 | | 8.8 | | 36.6 | 47.3 | B | 9.1 | | 22.3 | 25.5 | K | 7.3 | | 37.2 | 43.7 | K | 9.1 | 46 | 10.0 | 43.3 | b |
| 9.5 | | 46.1 | 8.5 | ? | 8.8 | | 40.5 | 37.4 | K | 9.4 | | 26.2 | 31.9 | | 9.4 | | 58.9 | 2.0 | | 8.6 | | 50.1 | 12.4 | B |
| 9.0 | 24 | 52.3 | 38.5 | K | 8.5 | 43 | 1.7 | 24.3 | Rb | 8.8 | | 31.5 | 40.5 | | 7.7 | 24 | 5.3 | 28.7 | K | 9.0 | 47 | 25.5 | 25.3 | |
| 9.3 | | 53.3 | 17.8 | B | 9.0 | | 2 7 | 46.5 | | 9.3 | | 44.9 | 16.2 | B | 9.5 | | 5.3 | 10.2 | | 8.8 | 48 | 28.5 | 50.2 | K |
| 9.5 | 25 | 6.8 | 50.3 | | 9.0 | | 33.3 | 39.5 | | 8.7 | | 49.0 | 19.3 | K | 8.1 | | 9.4 | 49.1 | K | 9.4 | 49 | 23.7 | 15.5 | B |
| 9.5 | | 9.3 | 44.3 | | 9.0 | 44 | 33.5 | 20.8 | R | 9.5 | 7 | 26.7 | 57.8 | | 9.4 | | 11.8 | 58.8 | | 9.5 | | 45.0 | 48.8 | |
| 9.0 | | 29.9 | 25.6 | Kb | 9.3 | 45 | 6.8 | 55.2 | | 9.5 | | 41.3 | 39.3 | | 9.4 | | 21.7 | 12.4 | | 6.0 | | 47.3 | 4.0 | K |
| 8.7 | 26 | 18.3 | 25.9 | K | 9.4 | | 21.9 | 17.8 | B | 9.4 | | 56.6 | 1.5 | | 8.7 | 25 | 5.1 | 19.4 | | 9.4 | 50 | 3.3 | 4.6 | B |
| 9.5 | | 32.4 | 48.1 | | 8.8 | | 26.0 | 54.5 | K | 9.5 | 8 | 20.1 | 37.6 | | 9.5 | | 15.9 | 12.2 | | 9.0 | | 15.5 | 39.9 | |
| 9.5 | | 45.8 | 21.8 | | 9.0 | | 40.1 | 34.4 | | 8.8 | | 55.0 | 53.3 | | 9.4 | | 24.9 | 6.0 | B | 9.2 | | 28.0 | 52.7 | |
| 9.0 | | 53.8 | 43.9 | | 9.4 | | 45.3 | 17.9 | B | 9.5 | | 59.1 | 20.6 | Bb | 8.8 | | 48.4 | 30.5 | | 4.2 | | 55.8 | 46.1 | Kb |
| 9.0 | | 54.7 | 0.6 | | 9.5 | 46 | 26.1 | 28.2 | | 9.5 | 9 | 1.8 | 38.9 | | 8.8 | 26 | 2.0 | 31.8 | | 8.7 | 51 | 21.7 | 56.8 | K |
| 9.5 | 27 | 17.3 | 32.9 | | 2.5 | | 37.5 | 5.8 | K | 9.3 | | 12.6 | 56.1 | | 9.0 | | 14.0 | 1.5 | | 9.5 | 52 | 14.5 | 30.2 | |
| 8.5 | | 24.6 | 14.9 | K | 8.7 | | 51.2 | 35.4 | | 9.5 | | 18.2 | 49.9 | | 9.5 | | 19.5 | 55.7 | | 9.5 | | 19.2 | 59.2 | |
| 9.5 | | 41.7 | 32.5 | | 9.3 | 47 | 22.5 | 18.8 | | 9.5 | | 41.4 | 1.2 | | 9.1 | | 20.1 | 51.4 | | 9.0 | | 20.8 | 27.4 | K |
| 9.2 | | 47.9 | 49.0 | | 8.8 | 48 | 10.8 | 37.4 | | 9.5 | | 46.8 | 21.5 | | 9.5 | 27 | 8.7 | 27.6 | | 9.4 | | 44.0 | 21.1 | a |
| 9 2 | | 54.2 | 4.6 | | 9.5 | | 39.7 | 19.6 | B | 9.5 | | 52.3 | 34.5 | | 9.5 | | 15.5 | 2.8 | | 9.5 | 54 | 4.5 | 15.0 | |
| 8.4 | | 57.4 | 57.0 | Kb | 9.1 | 49 | 7.6 | 49.8 | | 9.5 | 10 | 17.5 | 49.6 | B | 9.3 | | 37.0 | 14.5 | | 9.1 | | 26.0 | 22.2 | K |
| 9.4 | 28 | 23.9 | 54 9 | B | 8.9 | | 20.4 | 12.3 | | 9.5 | | 57.7 | 6.5 | | 8.5 | 28 | 2.5 | 15.0 | | 8.2 | | 42.0 | 58.7 | K |
| 9.5 | | 32.8 | 5.3 | | 9.5 | | 32.3 | 30.7 | | 9.5 | 11 | 19.1 | 19.8 | | 8.3 | | 33.8 | 4.0 | K | 8.8 | | 45.8 | 35.3 | K |
| 9.1 | | 40.7 | 49.7 | | 8.2 | | 55.4 | 39.6 | K | 9.0 | | 45.7 | 48.3 | | 9.4 | 29 | 14.7 | 44.6 | | 9.5 | 55 | 15.5 | 38.1 | |
| 9.1 | | 52.4 | 31.1 | | 9.5 | | 56.8 | 2.2 | B | 9.5 | | 47.5 | 26.7 | B | 9.0 | | 15.5 | 39.9 | | 9.4 | | 33.0 | 55.4 | |
| 9.0 | | 57.2 | 56.4 | R | 9.3 | 50 | 4.6 | 23.4 | | 8.8 | | 58.4 | 49.7 | Kb | 8.8 | | 22.3 | 47.0 | | 7.7 | | 56.1 | 54.4 | K |
| 9.4 | 29 | 3.6 | 53.2 | | 9.5 | | 7.7 | 1.2 | B | 9.5 | 12 | 5.5 | 27.4 | | 8.5 | | 22.7 | 31.5 | K | 9.5 | 56 | 4.5 | 41.5 | a |
| 8.5 | | 38.4 | 56.0 | K | 9.3 | 51 | 20.0 | 54.0 | | 9.4 | | 42.4 | 33.6 | | 8.6 | | 54.9 | 5.6 | | 9.5 | | 6.5 | 14.3 | |
| 9.3 | | 46.0 | 47.8 | | 9.0 | | 25.8 | 47.3 | | 9.0 | | 44.8 | 41.4 | | 9.3 | 30 | 20.4 | 46.3 | | 9.5 | 57 | 7.5 | 38.5 | |
| 9.5 | | 54.3 | 13.0 | | 9.0 | | 32.8 | 18.5 | K | 9.4 | | 50.2 | 45.0 | | 9.5 | | 26.9 | 38.2 | | 9.5 | | 12.3 | 7.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 32.47 | 3.13 | | 10 pr. | | 32.86 | 3.02 | | 10 pr. | | 33.33 | 2.85 | | 10 pr. | | 33.63 | 2.71 | | 10 pr. | | 33.97 | 2.54 | |

501—560

| | 2ᵘ—3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.5 | 57 13.0 | 19.8 | K |
| 9.5 | 26.5 | 0.2 | |
| 9.5 | 58 3.0 | 20.8 | B |
| 9.1 | 7.8 | 32.6 | |
| 8.5 | 21.3 | 5.2 | Kb |
| 9.5 | 27.0 | 46.7 | *a* |
| 8.5 | 34.0 | 18.1 | |
| 9.5 | 59 17.5 | 42.2 | |
| 9.5 | 43.3 | 49.5 | |
| 9.0 | 0 28.0 | 39.1 | |
| 8.7 | 54.5 | 11.2 | B |
| 9.5 | 55.8 | 27.8 | |
| 9.5 | 56.7 | 33.7 | |
| 6.9 | 1 2.3 | 12.4 | K |
| 9.5 | 52.1 | 32.8 | |
| 7.8 | 54.5 | 42.7 | K |
| 9.4 | 2 47.0 | 33.3 | |
| 8.6 | 55.0 | 32.9 | K |
| 8.7 | 3 0.0 | 20.9 | B |
| 9.5 | 13.5 | 25.6 | |
| 9.0 | 54.3 | 55.2 | |
| 8.5 | 4 43.3 | 10.8 | |
| 9.1 | 46.0 | 46.0 | |
| 9.5 | 5 22.4 | 43.0 | |
| 9.5 | 46.5 | 36.0 | |
| 9.4 | 6 3.5 | 3.1 | |
| 4.5 | 34.5 | 30.5 | Kb |
| 8.7 | 7 9.9 | 3.0 | K |
| 8.3 | 25.0 | 39.1 | R |
| 8.0 | 34.2 | 9.6 | B |
| 9.4 | 40.8 | 29.8 | B |
| 9.3 | 44.0 | 57.8 | |
| 9.5 | 8 9.5 | 38.7 | |
| 9.5 | 37.1 | 4.3 | |
| 9.5 | 9 12.9 | 4.4 | |
| 9.1 | 10 20.4 | 12.5 | *b* |
| 9.4 | 24.0 | 33.9 | |
| 9.2 | 50.6 | 49.5 | |
| 8.7 | 11 31.8 | 57.1 | |
| 9.5 | 44.7 | 33.6 | |
| 8.6 | 12 38.8 | 7.1 | B |
| 9.5 | 41.2 | 28.0 | |
| 5.0 | 51.0 | 37.3 | R |
| 8.7 | 13 6.4 | 55.1 | K |
| 9.4 | 28.0 | 30.4 | |
| 9.5 | 36.2 | 56.2 | |
| 9.4 | 50.5 | 3.0 | B |
| 9.3 | 54.6 | 5.3 | B |
| 9.5 | 14 0.2 | 10.3 | B |
| 9.5 | 8.5 | 35.0 | |
| 5.0 | 24.8 | 13.4 | K |
| 9.5 | 26.1 | 46.3 | |
| 9.5 | 58.0 | 58.5 | |
| 7.0 | 58.5 | 27.0 | K |
| 9.5 | 15 13.8 | 28.3 | |
| 5.8 | 16 4.2 | 17.4 | Kb |
| 9.4 | 16.2 | 42.2 | |
| 8.0 | 51.0 | 41.5 | K |
| 9.5 | 17 2.5 | 22.5 | |
| 9.1 | 8.0 | 7.9 | Bb |
| | + | + | |
| *10pr.* | *34.36* | *2.28* | |

561—620

| | 3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 17 8.0 | 10.3 | |
| 9.4 | 9.2 | 8.8 | |
| 9.5 | 22.2 | 38.1 | |
| 9.5 | 26.3 | 56.4 | |
| 9.5 | 59.7 | 29.1 | |
| 9.5 | 18 1.5 | 41.1 | *a* |
| 9.5 | 7.5 | 37.2 | |
| 8.8 | 19.0 | 55.5 | |
| 9.5 | 36.2 | 56.0 | |
| 9.5 | 55.5 | 36.5 | |
| 9.5 | 19 16.5 | 32.9 | |
| 7.7 | 28.1 | 25.3 | K |
| 7.2 | 20 25.9 | 6.6 | K |
| 9.0 | 21 4.5 | 35.3 | Rb |
| 9.5 | 14.1 | 58.3 | |
| 9.5 | 22.5 | 22.2 | |
| 9.5 | 51.0 | 26.6 | |
| 8.2 | 22 54.0 | 16.6 | B |
| 9.5 | 56.8 | 49.5 | |
| 9.5 | 23 7.0 | 49.1 | |
| 9.4 | 27.3 | 53.9 | |
| 9.5 | 31.2 | 24.2 | |
| 9.5 | 31.6 | 4.2 | |
| 9.5 | 40.1 | 55.4 | |
| 9.5 | 24 0.5 | 15.0 | |
| 9.5 | 13.2 | 19.5 | |
| 9.5 | 18.8 | 5.0 | |
| 9.5 | 37.7 | 56.4 | |
| 9.5 | 25 24.2 | 31.2 | |
| 9.5 | 36.3 | 4.7 | |
| 9.5 | 44.6 | 52.4 | |
| 9.5 | 48.2 | 14.0 | |
| 9.5 | 26 6.3 | 2.9 | |
| 9.5 | 13.3 | 6.6 | B |
| 9.5 | 22.0 | 56.6 | |
| 8.3 | 32.3 | 31.5 | K |
| 9.5 | 27 22.2 | 41.8 | |
| 9.0 | 29 7.3 | 51.4 | Kb |
| 9.5 | 39.5 | 36.4 | |
| 9.5 | 30 7.5 | 48.8 | |
| 9.5 | 25.8 | 13.9 | |
| 6.0 | 35.3 | 26.0 | L |
| 9.4 | 57.5 | 42.5 | |
| 9.0 | 59.6 | 50.7 | K |
| 9.4 | 31 20.3 | 7.0 | |
| 9.3 | 36.3 | 44.7 | B |
| 7.0 | 56.2 | 56.2 | Kb |
| 8.7 | 32 39.9 | 11.2 | |
| 9.5 | 49.2 | 43.7 | |
| 9.3 | 52.4 | 7.4 | |
| 9.5 | 33 49.3 | 4.2 | |
| 9.5 | 52.7 | 21.1 | |
| 9.5 | 54.2 | 29.9 | |
| 9.5 | 55.2 | 42.3 | |
| 9.5 | 34 1.8 | 5.4 | |
| 7.9 | 13.4 | 48.6 | K |
| 9.5 | 35 2.3 | 56.7 | |
| 8.2 | 11.9 | 15.8 | P |
| 9.5 | 56.1 | 12.4 | |
| 8.9 | 57.7 | 2.0 | K |
| | + | + | |
| *10pr.* | *34.62* | *2.08* | |

621—680

| | 3ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 6.2 | 36 3.4 | 28.0 | R |
| 8.0 | 19.2 | 17.4 | K |
| 9.5 | 57.3 | 18.3 | B |
| 8.0 | 37 5.2 | 47.3 | Kb |
| 9.5 | 8.2 | 36.0 | |
| 9.5 | 46.0 | 58.7 | B |
| 9.3 | 48.1 | 7.6 | |
| 9.0 | 38 6.2 | 26.2 | |
| 9.2 | 17.8 | 55.4 | |
| 9.5 | 25.2 | 55.1 | |
| 9.1 | 34.2 | 20.0 | |
| 9.5 | 56.0 | 55.6 | |
| 9.5 | 39 2.4 | 7.6 | B |
| 9.5 | 16.3 | 48.7 | B |
| 9.5 | 23.2 | 23.4 | |
| 9.5 | 30.2 | 30.7 | |
| 8.2 | 43.9 | 54.5 | K |
| 8.0 | 40 34.1 | 52.6 | K |
| 9.5 | 42.2 | 21.2 | |
| 9.5 | 57.2 | 18.8 | |
| 9.5 | 41 4.0 | 2.0 | |
| 9.5 | 14.2 | 59.2 | |
| 8.5 | 21.2 | 43.0 | K |
| 9.0 | 59.0 | 30.6 | |
| 9.5 | 42 18.1 | 58.2 | |
| 9.5 | 23.2 | 56.1 | |
| 8.9 | 34.9 | 30.7 | |
| 9.4 | 43.1 | 7.7 | |
| 9.4 | 43 40.0 | 16.8 | |
| 9.5 | 47.2 | 32.9 | |
| 9.5 | 45 1.1 | 30.5 | |
| 9.5 | 7.6 | 5.5 | |
| 9.2 | 27.5 | 53.8 | |
| 8.9 | 30.8 | 9.5 | Bb |
| 9.4 | 31.2 | 23.8 | |
| 9.3 | 54.2 | 39.6 | |
| 9.5 | 58.6 | 44.4 | |
| 9.5 | 58.9 | 58.6 | |
| 9.5 | 46 29.7 | 33.5 | |
| 8.9 | 30.3 | 27.1 | B |
| 9.5 | 47.2 | 52.2 | |
| 9.5 | 50.2 | 15.9 | |
| 9.2 | 47 34.6 | 13.9 | |
| 8.2 | 39.2 | 21.8 | K |
| 9.5 | 44.2 | 39.0 | |
| 9.1 | 48 29.6 | 10.1 | |
| 9.5 | 30.7 | 24.6 | |
| 8.4 | 38.1 | 52.3 | K |
| 7.5 | 42.8 | 54.5 | K |
| 8.8 | 52.9 | 13.9 | |
| 9.5 | 49 30.3 | 39.4 | |
| 9.2 | 30.7 | 15.3 | Kb |
| 9.5 | 35.2 | 35.2 | |
| 8.6 | 50 8.7 | 44.4 | L |
| 9.5 | 17.6 | 43.3 | B |
| 9.3 | 18.6 | 5.0 | |
| 9.5 | 22.0 | 58.8 | |
| 9.3 | 51 12.7 | 2.6 | |
| 9.5 | 13.2 | 27.6 | |
| 8.0 | 19.6 | 53.6 | K |
| | + | + | |
| *10pr.* | *34.86* | *1.87* | |

681—740

| | 3ᵘ—4ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 51 28.6 | 57.4 | B |
| 9.5 | 32.2 | 45.7 | |
| 9.1 | 34.1 | 57.2 | aB |
| 8.4 | 52 14.2 | 0.4 | K |
| 9.4 | 36.3 | 0.7 | |
| 9.5 | 53 7.1 | 11.7 | B |
| 9.5 | 44.0 | 30.2 | |
| 8.8 | 54 16.6 | 38.2 | K |
| 9.4 | 27.1 | 50.0 | |
| 9.2 | 30.0 | 45.6 | B |
| 9.3 | 35.3 | 45.9 | B |
| 8.0 | 55 27.1 | 40.2 | K |
| 9.5 | 30.7 | 21.0 | |
| 8.8 | 50.5 | 16.5 | B |
| 8.5 | 56 27.0 | 27.2 | K |
| 8.8 | 57 14.3 | 48.6 | |
| 9.4 | 31.4 | 2.2 | |
| 8.6 | 44.1 | 16.1 | K |
| 8.8 | 47.9 | 44.1 | |
| 9.4 | 58 24.8 | 41.6 | B |
| 8.7 | 36.3 | 52.9 | K |
| 9.5 | 59 11.4 | 6.7 | |
| 9.2 | 11.6 | 53.0 | K |
| 9.1 | 0 11.3 | 17.5 | Bb |
| 9.5 | 51.9 | 2.4 | |
| 9.5 | 55.2 | 34.7 | B |
| 9.5 | 1 31.6 | 8.2 | |
| 9.4 | 31.8 | 58.8 | |
| 9.4 | 35.0 | 48.7 | B |
| 9.5 | 48.0 | 14.6 | |
| 9.5 | 3 2.0 | 37.5 | |
| 9.5 | 20.1 | 30.0 | |
| 9.5 | 32.4 | 6.7 | |
| 9.0 | 33.1 | 42.1 | |
| 9.0 | 43.0 | 21.2 | K |
| 9.0 | 4 16.0 | 20.9 | K |
| 9.5 | 5 23.4 | 41.1 | |
| 9.5 | 6 25.6 | 16.7 | |
| 9.5 | 51.0 | 21.2 | |
| 8.7 | 7 3.5 | 55.1 | K |
| 8.1 | 10.8 | 26.9 | K |
| 9.5 | 30.6 | 12.9 | |
| 9.5 | 58.2 | 16.7 | |
| 5.7 | 8 46.6 | 13.6 | Kb |
| 8.8 | 49.2 | 8.2 | K |
| 9.5 | 55.6 | 42.8 | |
| 9.2 | 57.3 | 11.7 | B |
| 9.5 | 9 6.6 | 31.3 | |
| 9.5 | 11.7 | 39.1 | B |
| 9.5 | 50.0 | 30.6 | |
| 8.8 | 10 27.9 | 57.0 | K |
| 9.5 | 39.1 | 1.5 | |
| 6.2 | 53.2 | 47.7 | Kb |
| 9.5 | 11 0.0 | 47.0 | |
| 9.0 | 1.1 | 41.7 | K |
| 9.5 | 12 13.3 | 5.8 | B |
| 9.5 | 18.0 | 33.9 | |
| 9.5 | 36.5 | 51.9 | |
| 9.5 | 55.5 | 10.1 | |
| 7.0 | 59.2 | 42.2 | K |
| | + | + | |
| *10pr.* | *35.07* | *1.65* | |

741—800

| | 4ᵘ | +20° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.2 | 13 3.2 | 50.3 | R |
| 9.5 | 28.1 | 11.5 | |
| 9.5 | 53.0 | 21.8 | |
| 6.5 | 53.1 | 28.3 | K |
| 9.0 | 14 32.0 | 28.1 | K |
| 9.2 | 35.9 | 52.4 | R |
| 9.3 | 47.6 | 14.2 | |
| 9.0 | 49.5 | 50.8 | K |
| 9.0 | 55.9 | 5.6 | |
| 8.7 | 58.0 | 30.3 | K |
| 6.2 | 15 0.2 | 37.9 | K |
| 9.3 | 16.0 | 35.2 | |
| 9.1 | 16 15.6 | 46.1 | Rb |
| 8.6 | 17 15.0 | 48.8 | K |
| 9.5 | 18 13.7 | 35.5 | |
| 8.6 | 36.5 | 40.0 | Rb |
| 9.5 | 55.8 | 1.0 | |
| 9.4 | 19 48.5 | 32.1 | |
| 9.4 | 51.7 | 42.2 | |
| 8.8 | 20 6.6 | 30.7 | |
| 8.3 | 10.1 | 20.9 | R |
| 9.5 | 29.0 | 16.7 | |
| 9.4 | 21 0.8 | 54 0 | |
| 9.1 | 21.9 | 32.7 | *a* |
| 9.5 | 33.1 | 36.2 | |
| 9.2 | 33.4 | 33.1 | R |
| 8.7 | 36.1 | 39.8 | K |
| 9.5 | 49.5 | 39.1 | |
| 9.4 | 53.6 | 13.9 | |
| 9.5 | 22 13.5 | 55.8 | |
| 9.4 | 23 5.6 | 58.6 | |
| 9.0 | 5.7 | 28.2 | |
| 9.5 | 27.0 | 17.0 | |
| 9.5 | 25 2.0 | 51.2 | |
| 9.4 | 43.7 | 11.7 | |
| 8.5 | 26 0.6 | 48.4 | K |
| 9.3 | 2.0 | 2.2 | *b* |
| 8.3 | 12.1 | 48.7 | K |
| 9.5 | 23.0 | 45.3 | |
| 9.5 | 37.4 | 51.2 | |
| 9.3 | 27 9.3 | 10.9 | |
| 9.5 | 28 18.0 | 31.3 | |
| 9.0 | 21.6 | 44.9 | |
| 9.5 | 40.0 | 13.6 | *B* |
| 6.0 | 29 43.2 | 23.7 | K |
| 9.1 | 55.7 | 50.2 | *b* |
| 9.5 | 30 0.8 | 56.5 | |
| 9.5 | 12.6 | 37.6 | |
| 9.3 | 18.4 | 29.3 | B |
| 8.8 | 25.7 | 17.1 | K |
| 9.1 | 31 1.1 | 27.9 | |
| 9.4 | 13.9 | 59.3 | |
| 9.1 | 15.8 | 47.1 | R |
| 9.3 | 22.4 | 24.1 | |
| 9.5 | 32.5 | 47.4 | B |
| 8.8 | 37.0 | 15.0 | K |
| 9.5 | 44.4 | 47.6 | |
| 9.4 | 52.5 | 49.4 | R |
| 9.1 | 32 10.6 | 34.5 | |
| 9.0 | 17.1 | 0.7 | K |
| | + | + | |
| *10pr.* | *35.27* | *1.38* | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵘ | | +20° | | | 4ᵘ—5ᵘ | | +20° | | | 5ᵘ | | +20° | | | 5ᵘ | | +20° | | | 5ᵘ | | +20° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 32 | 25.8 | 1.2 | B | 9.4 | 52 | 14.7 | 3.4 | B | 9.5 | 11 | 2.5 | 29.3 | | 9.5 | 23 | 52.0 | 53.9 | a | 9.5 | 32 | 22.3 | 31.1 | |
| 8 8 | | 50.0 | 37.3 | L | 9.5 | | 29.4 | 49.4 | | 9.5 | | 6.0 | 22.0 | | 8.8 | | 57.3 | 48.7 | R | 9.5 | | 24.0 | 45.5 | |
| 9.2 | | 50.6 | 17.8 | | 8.0 | 53 | 8.3 | 36.3 | K | 9.5 | | 10.6 | 38.0 | | 9.4 | 24 | 6.4 | 49.1 | | 9.5 | | 25.7 | 16.1 | |
| 9.5 | | 53.0 | 58.5 | | 9.5 | | 8.4 | 55.0 | | 9.0 | | 25.8 | 59.8 | K | 9.4 | | 12.5 | 51.8 | B | 9.5 | | 30.0 | 42.9 | |
| 9.2 | 33 | 5.1 | 51.9 | | 9.5 | | 31.9 | 27.1 | | 9.5 | | 33.6 | 23.7 | | 9.4 | | 29.3 | 3.7 | | 9.5 | | 33.5 | 41.0 | |
| 9.5 | | 35.1 | 51.9 | | 9.4 | | 40.8 | 10.2 | B | 9.5 | | 34.7 | 1.0 | | 9.5 | | 46.9 | 13.4 | | 9.5 | | 33.9 | 42.8 | |
| 9.0 | 34 | 19.2 | 21.9 | R | 9.5 | 54 | 20.7 | 4.2 | | 9.4 | | 56.7 | 55.7 | | 9.5 | | 56.4 | 2.2 | | 9.3 | 33 | 4.0 | 50.2 | |
| 8.5 | | 31.5 | 21.6 | K | 9.3 | | 33.1 | 57.7 | | 9.1 | | 59.1 | 48.8 | | 9.5 | 25 | 1.9 | 33.5 | | 9.5 | | 6.5 | 38.3 | |
| 9 3 | | 59.3 | 22.6 | | 8.3 | | 40.1 | 42.9 | K | 8.6 | 12 | 0.4 | 41.2 | | 6.3 | | 3.0 | 21.9 | K | 8.8 | | 18.0 | 25.2 | B |
| 9.5 | 35 | 15.5 | 2.1 | B | 9.5 | | 53.5 | 59.7 | | 9.5 | | 12.5 | 32.4 | | 8.9 | | 8.7 | 54.9 | K | 9.5 | | 24.7 | 53.1 | |
| 9.4 | | 34.2 | 2.2 | B | 9.5 | 55 | 1.0 | 0.3 | | 9.5 | 13 | 2.0 | 14.5 | | 9.1 | | 29.4 | 24.3 | K | 9.3 | | 35.0 | 44.2 | |
| 9.5 | | 44.8 | 34.8 | | 9.5 | | 18.1 | 37.0 | | 9.3 | | 10.4 | 46.4 | | 9.4 | | 30 0 | 54.9 | | 9.5 | | 38.0 | 25.0 | |
| 9.0 | | 46.7 | 39.0 | | 9.5 | | 49.0 | 7.8 | B | 9.4 | | 30.9 | 47.8 | | 8.8 | | 30.1 | 57.5 | K | 9.2 | | 46.9 | 46.5 | |
| 9.5 | 36 | 20.6 | 35.8 | | 9.5 | | 49.4 | 22.8 | | 9.4 | | 31.6 | 11.7 | | 9.5 | | 39.9 | 9.9 | | 8.3 | | 48.0 | 31.8 | B |
| 9.5 | | 34.5 | 25.3 | | 9.3 | 56 | 39.1 | 39.8 | | 9.5 | | 49.8 | 34.2 | | 9.5 | | 42.4 | 47.7 | | 9.5 | | 55.1 | 11.2 | |
| 9.5 | | 48.2 | 17.0 | | 9.5 | 57 | 3.5 | 45.0 | | 9.4 | 14 | 1.4 | 46.9 | | 9.5 | | 56.8 | 4.0 | | 9.5 | | 56.6 | 33.0 | B |
| 9.1 | 37 | 40.2 | 54.3 | K | 9.3 | | 16.9 | 30.4 | b | 9.5 | | 16.1 | 42.9 | | 9.5 | 26 | 2.8 | 53.6 | | 9.5 | 34 | 13.0 | 23.8 | |
| 9.5 | | 43.6 | 4.8 | | 9.3 | 58 | 5.9 | 28.7 | | 9.5 | | 38.0 | 7.4 | | 9.5 | | 6.0 | 11.9 | | 9.5 | | 18.8 | 55.7 | |
| 9.5 | 38 | 10.7 | 49.5 | | 9.5 | | 12.0 | 47.5 | | 9.2 | | 48.7 | 25.8 | B | 9.5 | | 6.0 | 31.4 | | 9.5 | | 21.9 | 3.4 | |
| 9.3 | | 28.5 | 37.5 | | 9.5 | | 13.6 | 15.3 | | 9.2 | | 57.3 | 32.3 | | 9.5 | | 9.2 | 22.1 | | 9.5 | | 40.0 | 5.3 | |
| 8.7 | | 35.4 | 9.8 | b | 9.4 | | 39.4 | 26.4 | | 8.7 | 15 | 10.1 | 26.2 | K | 9.5 | | 16.8 | 41.2 | | 9.4 | | 42.7 | 14.3 | |
| 9.0 | | 36.0 | 18.4 | | 9.5 | | 52.5 | 31.5 | | 9.1 | | 18.0 | 14.9 | L | 8.8 | | 25.3 | 7.9 | | 9.5 | | 55.1 | 58.2 | |
| 9.0 | 40 | 3.6 | 50.9 | K | 9.2 | 59 | 2.6 | 53.3 | K | 9.5 | | 18.1 | 33.4 | | 9.4 | | 26.5 | 55.9 | | 9.1 | | 57.4 | 37.1 | |
| 9.3 | | 11.9 | 5.9 | Bb | 9.5 | | 9.7 | 36.6 | | 9.0 | | 32.1 | 52.0 | K | 9.5 | | 34.4 | 12.3 | | 8.8 | 35 | 0.0 | 25.8 | |
| 9.5 | | 24.7 | 29.5 | | 5.3 | | 14.1 | 13.2 | K | 8.4 | | 39.5 | 0.2 | Lb | 9.4 | | 41.0 | 48.4 | | 8.8 | | 0.6 | 21.1 | |
| 9.5 | | 25.0 | 5.9 | | 9.5 | | 31.0 | 11.0 | B | 9.0 | 16 | 3.8 | 44.3 | | 9.5 | | 42.8 | 54.0 | | 9.5 | | 8.9 | 36.5 | |
| 9.5 | 41 | 15.4 | 16.4 | | 9.5 | 0 | 9.1 | 32.9 | | 9.5 | | 6.5 | 16.4 | | 9.1 | | 51.0 | 42.2 | | 9.5 | | 22.4 | 13.9 | |
| 9.3 | | 22.9 | 29.0 | | 9.5 | | 17.7 | 27.0 | | 7.5 | | 34.0 | 27.0 | K | 9.5 | | 54.0 | 18.5 | | 9.2 | | 29.0 | 46.8 | |
| 9.5 | | 42.3 | 1.3 | | 8.6 | | 27.8 | 20.0 | K | 9.4 | | 55.2 | 16.7 | | 8.5 | | 59.7 | 48.1 | R | 9 4 | | 42.7 | 29.0 | |
| 9.1 | | 42.5 | 50.0 | b | 8.4 | | 38.0 | 15.9 | K | 9.5 | 17 | 6.8 | 24.5 | | 9.3 | 27 | 7.2 | 20.0 | R | 8.9 | 36 | 3.6 | 38.0 | B |
| 9.5 | 42 | 41.4 | 3.1 | | 9.5 | | 41.9 | 3.5 | | 8.9 | | 12.2 | 59.7 | K | 9.1 | | 14.1 | 56.4 | | 9.3 | | 4.1 | 39.0 | |
| 9.5 | | 55.5 | 5.3 | B | 9.5 | | 54.0 | 10.7 | | 9.5 | 18 | 26.0 | 25.8 | | 9.5 | | 24.0 | 21.0 | | 9.5 | | 7.9 | 34.2 | |
| 9.2 | 43 | 10.2 | 56.3 | | 9.2 | 1 | 1.6 | 23.6 | B | 9.3 | | 52.7 | 33.8 | | 9.4 | | 33.9 | 59.3 | | 8.2 | | 9.0 | 28.6 | K |
| 9.5 | | 44.8 | 26.1 | | 9.4 | | 1.8 | 52.6 | | 9.5 | | 53.4 | 59.0 | | 9.3 | | 46.4 | 27.7 | Rb | 9.5 | | 10.7 | 57.0 | |
| 9.5 | 44 | 9.7 | 35.8 | | 9.5 | | 10.9 | 47.2 | | 9.5 | | 56.5 | 27.0 | | 9.2 | | 51.3 | 14.4 | | 9.5 | | 18.8 | 50.1 | |
| 9.2 | | 12.7 | 52.8 | b | 9.1 | | 22 1 | 44.6 | K | 9.5 | | 59.1 | 21.7 | | 9.5 | | 58.8 | 6.9 | | 9.5 | | 23.0 | 50.0 | |
| 9.3 | 45 | 1.0 | 24.7 | | 8.1 | 2 | 10.6 | 24.0 | K | 9.2 | 19 | 11.9 | 43.4 | b | 9.5 | 28 | 23.4 | 39.9 | | 9.5 | | 23.0 | 54.3 | |
| 9.0 | | 25.9 | 4.3 | | 9.5 | | 12.4 | 8.8 | | 9.5 | | 37.8 | 31.0 | | 8.5 | | 25.4 | 38.5 | | 9.5 | | 23.8 | 56.9 | |
| 9.1 | | 31.6 | 45.9 | | 9.5 | | 43.5 | 55.4 | | 9.3 | | 38.6 | 50.0 | | 9.0 | | 27.7 | 15.3 | | 9.5 | | 25.0 | 59.8 | |
| 8.5 | 46 | 6.2 | 51.2 | R | 9.5 | 3 | 36.9 | 22.8 | | 9.5 | 20 | 3.8 | 46.1 | | 9.5 | | 47.1 | 38.6 | | 9.5 | | 33.6 | 39.0 | |
| 8.8 | | 16.9 | 42.8 | | 9.5 | 4 | 11.6 | 59.5 | | 7.5 | | 22.0 | 19.3 | R | 9.3 | 29 | 0.2 | 22.2 | | 9.5 | | 37.3 | 55.2 | |
| 9.3 | | 18.6 | 15.6 | | 9.4 | | 54.1 | 26.6 | | 9.3 | | 24.0 | 45.3 | B | 9.4 | | 24.0 | 17.0 | | 8.5 | | 56.8 | 26.6 | K |
| 9.3 | | 27.2 | 31.7 | | 9.5 | 5 | 7.1 | 2.8 | | 8.8 | | 30.5 | 4.0 | | 9.5 | | 30.6 | 27.8 | | var | 37 | 1.4 | 37.4 | B |
| 9.4 | | 32.0 | 54.1 | | 9.5 | | 45.3 | 5.5 | | 9.5 | | 37.7 | 18.6 | | 9.5 | | 34.0 | 53.5 | | 9.4 | | 29.6 | 59.6 | |
| 9.2 | | 34.6 | 10.1 | | 9.3 | 6 | 11.9 | 42.6 | b | 9.4 | | 52.9 | 55.4 | | 9.5 | | 48.8 | 34.4 | | 8.2 | | 22.7 | 11.2 | B |
| 8.5 | | 36.8 | 4.1 | | 9.5 | | 21.1 | 34.2 | | 9.5 | 21 | 4.0 | 35.6 | | 9.5 | | 50.7 | 26.9 | | 9.2 | | 23.3 | 9.5 | |
| 9.5 | 47 | 22.6 | 4.5 | B | 9.5 | | 34.0 | 29.7 | | 9.3 | | 17.8 | 9.7 | | 9.1 | 30 | 2.5 | 10.4 | K | 8.7 | | 25.0 | 13.2 | K |
| 9.5 | | 48.1 | 29.9 | | 9.5 | 7 | 6.6 | 56.8 | | 9.5 | | 35.9 | 31.2 | | 9.4 | | 9.1 | 59.9 | | 9.5 | | 31.4 | 20.5 | |
| 9.4 | | 49.5 | 5.4 | | 8.5 | 9 | 1.7 | 22.8 | K | 7.5 | | 38.0 | 26.2 | K | 9.5 | | 49.9 | 48.5 | | 9.4 | | 31.9 | 21.9 | K |
| 9.5 | 48 | 8.1 | 26.1 | | 8.6 | | 3.0 | 14.8 | K | 9.5 | 22 | 6.1 | 35.3 | | 9.4 | | 54.6 | 42.3 | | 9.5 | | 36.2 | 39.6 | B |
| 9.5 | | 15.2 | 21.7 | | 9.4 | | 19.1 | 5.1 | | 9 5 | | 7.9 | 8.7 | | 9.3 | | 55.2 | 55.9 | | 8.5 | | 55.3 | 14.7 | K |
| 9.5 | | 19.0 | 55.1 | | 9.5 | | 43.4 | 30.1 | | 9.4 | | 22.8 | 34.6 | | 9.4 | | 58.9 | 21.8 | | 9.3 | 38 | 8.0 | 16.1 | a |
| 9.3 | | 41.1 | 15.5 | | 9.3 | | 44.8 | 21.8 | | 9.1 | | 23.5 | 19.3 | | 9.2 | 31 | 8.0 | 20.0 | R | 7.3 | | 9.8 | 6.7 | K |
| 9.5 | | 49.2 | 46.5 | b | 9.5 | 10 | 2.7 | 40.2 | | 8.5 | | 30.0 | 4.2 | Kb | 9.0 | | 27.7 | 24.0 | | 8.8 | | 14.0 | 44.3 | R |
| 8.6 | 49 | 30.1 | 4.1 | K | 9.5 | | 21.1 | 18.7 | | 9.5 | | 58.0 | 36.3 | | 9.5 | | 29.1 | 23.0 | | 7.4 | | 20.1 | 13.1 | K |
| 9.5 | 50 | 3.1 | 53.3 | | 9.1 | | 26.1 | 15.9 | | 9.5 | 23 | 13.5 | 18.7 | | 9.5 | | 30.6 | 27.0 | | 8.9 | | 34.9 | 34.9 | B |
| 9.5 | | 40.9 | 49.5 | | 9.5 | | 39.9 | 7.0 | | 8.7 | | 16.6 | 38.8 | R | 9.5 | | 44.9 | 3.7 | | 9.5 | | 36.1 | 12.1 | B |
| 9.2 | 51 | 9 4 | 12.4 | | 8.6 | | 50.5 | 3.9 | K | 9.3 | | 26.5 | 56.1 | R | 9.5 | 32 | 3.0 | 28.9 | | 9.2 | | 42.0 | 3.2 | |
| 9.5 | | 23.0 | 52.7 | | 9.5 | | 51.4 | 43.5 | | 9.5 | | 37.0 | 18.6 | | 9.5 | | 9.3 | 54.8 | | 9.5 | | 51.7 | 38.6 | |
| 8.2 | | 37.9 | 42.9 | K | 9.3 | | 52.3 | 52.0 | | 9.5 | | 40.0 | 49.5 | | 9.5 | | 21.9 | 48.0 | | 8.0 | | 59.2 | 53.2 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 35.44 | 1.11 | | 10pr. | | 35.55 | 0.86 | | 10pr. | | 35.63 | 0.62 | | 10pr. | | 35.66 | 0.48 | | 10pr. | | 35.69 | 0.35 | |

| m | 1101—1160 5ᵃ ′ ″ | +20° ′ | | m | 1161—1220 5ᵃ ′ ″ | +20° ′ | | m | 1221—1280 5ᵃ—6ᵃ ′ ″ | +20° ′ | | m | 1281—1340 6ᵃ ′ ″ | +20° ′ | | m | 1341—1400 6ᵃ ′ ″ | +20° ′ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 39 17.9 | 28.3 | | 9.4 | 45 42.3 | 33.5 | | 9.4 | 53 11.2 | 54.9 | | 9.2 | 0 43.7 | 54.1 | | 9.5 | 7 40.4 | 58.2 | |
| 9.2 | 35.9 | 16.5 | | 5.0 | 48.0 | 14.8 | Kb | 9.5 | 23.4 | 30.9 | | 9.2 | 51.8 | 53.9 | | 9.4 | 44.1 | 40.0 | |
| 9.1 | 38.0 | 41.3 | | 9.4 | 52.4 | 3.7 | | 9.4 | 36.7 | 1.3 | | 9.3 | 52.5 | 6.4 | | 9.5 | 44.2 | 48.8 | |
| 9.0 | 40.7 | 30.8 | | 9.4 | 46 12.3 | 43.5 | | 9.5 | 42.1 | 2.7 | | 7.7 | 1 2.1 | 30.8 | K | 9.3 | 47.3 | 36.1 | |
| 7.3 | 44.0 | 48.9 | K | 9.5 | 14.0 | 42.1 | | 9.5 | 48.3 | 19.0 | | 9.3 | 8.2 | 6.4 | | 9.5 | 8 20.6 | 23.2 | |
| 8.5 | 46.0 | 47.4 | K | 9.5 | 18.6 | 9.4 | | 9.5 | 57.8 | 49.9 | | 9.4 | 9.4 | 0.5 | | 9.5 | 20.6 | 18.0 | |
| 9.5 | 49.1 | 56.0 | | 9.4 | 25.9 | 46.0 | | 9.3 | 54 4.9 | 47.7 | R | 9.4 | 11.6 | 38.6 | | 9.5 | 37.3 | 41.8 | |
| 8.5 | 55.9 | 11.2 | | 8.6 | 36.6 | 25.5 | K | 9.5 | 19.7 | 23.0 | | 9.5 | 16.1 | 33.3 | | 8.7 | 50.4 | 51.7 | |
| 9.5 | 57.2 | 38.2 | | 9.5 | 39.0 | 8.4 | | 7.7 | 28.8 | 34.9 | L | 9.5 | 16.4 | 39.7 | B | 9.5 | 9 1.5 | 20.2 | |
| 9.0 | 58.1 | 33.6 | | 9.3 | 44.5 | 43.7 | | 9.5 | 35.7 | 24.3 | | 9.5 | 46.3 | 31.6 | | 9.4 | 1.5 | 25.7 | |
| 9.0 | 40 14.1 | 57.8 | K | *8.2 | 47 0.1 | 26.2 | K | 9.5 | 59.8 | 58.8 | | 9.5 | 57.2 | 51.9 | | 9.3 | 3.8 | 18.2 | |
| 9.3 | 17.9 | 57.5 | B | 9.2 | 15.3 | 5.2 | Rb | 9.5 | 55 15.5 | 53.3 | B | 9.5 | 2 8.2 | 25.5 | B | 8.5 | 5.1 | 30.0 | |
| 9.4 | 20.0 | 1.6 | | 9.5 | 22.1 | 40.8 | | 5.1 | 18.7 | 8.4 | Kb | 9.4 | 14.5 | 38.0 | | 9.5 | 17.8 | 4.8 | |
| 9.5 | 31.5 | 24.9 | | 9.5 | 27.2 | 48.5 | | 9.4 | 28.9 | 28.5 | B | 9.5 | 19.1 | 0.4 | | 9.5 | 18.0 | 12.4 | |
| 9.1 | 41.1 | 59.2 | K | 9.5 | 31.7 | 0.9 | | 9.5 | 37.3 | 28.3 | B | 9.5 | 20.8 | 57.6 | | 9.5 | 21.5 | 47.6 | |
| 9.0 | 43.4 | 31.8 | | 9.5 | 34.5 | 15.0 | | 9.1 | 39.7 | 23.8 | | 9.0 | 20.9 | 35.4 | | 9.5 | 31.5 | 34.8 | |
| 9.0 | 49.8 | 41.6 | | 9.5 | 39.3 | 35.6 | | 9.2 | 40.6 | 11.9 | K | 9.3 | 24.7 | 12.8 | | 9.1 | 40.3 | 20.2 | |
| 9.5 | 56.0 | 37.1 | | 8.7 | 42.3 | 34.1 | | 9.2 | 43.0 | 3.5 | | 9.4 | 25.9 | 8.5 | B | 9.5 | 42.5 | 37.0 | |
| 9.4 | 41 4.3 | 55.6 | | 9.4 | 43.9 | 8.7 | | 9.0 | 44.4 | 32.2 | | 9.5 | 27.0 | 5.5 | | 9.5 | 55.9 | 22.0 | |
| 9.3 | 8.2 | 49.1 | | 9.5 | 44.0 | 3.2 | B | 9.0 | 50.6 | 26.7 | | 9.2 | 27.7 | 24.4 | | 9.5 | 59.2 | 18.3 | B |
| 9.3 | 11.0 | 8.7 | | 9.5 | 51.6 | 0.2 | | 9.1 | 57.6 | 26.2 | K | 9.0 | 38.0 | 35.4 | | 9.5 | 10 2.2 | 40.2 | |
| 9.5 | 13.3 | 58.3 | | 9.3 | 51.6 | 3.2 | B | 9.3 | 56 38.9 | 28.5 | | 7.0 | 44.1 | 55.8 | K | 9.4 | 7.2 | 34.5 | B |
| 9.1 | 17.4 | 36.5 | R | 9.4 | 48 3.9 | 39.7 | | 9.2 | 40.2 | 27.3 | B | 9.5 | 51.8 | 24.5 | | 9.5 | 7.5 | 29.5 | |
| 9.5 | 20.0 | 30.9 | | 9.5 | 14.2 | 52.2 | | 8.9 | 43.9 | 8.6 | | 9.5 | 55.0 | 12.8 | | 9.4 | 8.4 | 59.8 | |
| 9.5 | 23.0 | 58.3 | | 9.4 | 17.5 | 5.0 | | 8.9 | 56.1 | 37.8 | B | 9.2 | 3 6.9 | 9.5 | | 9.5 | 9.2 | 7.1 | |
| 9.4 | 41.1 | 51.8 | | 9.5 | 18.4 | 45.0 | | 9.3 | 57.0 | 56.2 | B | 9.5 | 18.0 | 19.6 | | 9.5 | 20.8 | 35.8 | |
| 9.4 | 50.0 | 7.3 | | 8.3 | 28.1 | 58.1 | *B* | 9.4 | 57 6.6 | 36.0 | *B* | 9.2 | 28.6 | 31.0 | | 9.5 | 28.0 | 54.7 | |
| 8.8 | 51.9 | 23.7 | | 9.5 | 41.0 | 14.1 | | 9.5 | 7.5 | 29.9 | | 9.5 | 36.5 | 45.9 | | 8.5 | 36.9 | 31.0 | K |
| 9.5 | 57.5 | 30.4 | | 9.4 | 41.3 | 33.6 | | 9.4 | 10.9 | 48.1 | | 9.1 | 39.3 | 6.9 | | 8.3 | 38.6 | 37.9 | K |
| 9.5 | 42 5.8 | 55.3 | | 9.5 | 55.4 | 30.7 | | 9.5 | 11.0 | 59.4 | | 9.5 | 45.4 | 50.0 | | 9.5 | 40.1 | 46.2 | |
| 8.3 | 7.7 | 37.4 | K | 9.5 | 56.2 | 19.5 | | 9.4 | 11.0 | 52.6 | | 9.4 | 55.4 | 46.2 | | 8.6 | 47.3 | 3.6 | Lb |
| 8.5 | 15.0 | 7.2 | K | 9.4 | 49 32.1 | 54.0 | B | 9.4 | 12.8 | 37.9 | B | 8.5 | 4 22.9 | 6.2 | Kb | 9.5 | 11 7.8 | 4.2 | |
| 9.0 | 19.6 | 18.6 | | 9.4 | 32.4 | 56.4 | | 9.5 | 25.9 | 16.1 | | 9.1 | 27.8 | 25.6 | | 9.1 | 8.4 | 28.6 | R |
| 8.9 | 25.0 | 21.3 | K | 9.4 | 36.8 | 49.5 | | 9.5 | 36.7 | 19.1 | | 9.1 | 31.3 | 31.5 | | 9.5 | 29.4 | 50.0 | |
| 8.6 | 32.7 | 6.2 | Kb | 9.4 | 47.2 | 6.4 | | 9.5 | 47.1 | 45.4 | | 9.5 | 48.7 | 11.0 | | 9.4 | 32.3 | 6.6 | B |
| 9.2 | 44.9 | 33.4 | | 9.5 | 50 3.8 | 49.2 | | 9.3 | 47.5 | 43 9 | B | 9.5 | 49.1 | 27.2 | | 9.5 | 39.7 | 5.6 | |
| 9.1 | 47.3 | 39.1 | | 8.8 | 5.0 | 43 3 | K | 9.5 | 48.6 | 26.4 | | 9.5 | 50.5 | 29.9 | | 8.8 | 40.3 | 35.6 | |
| 9.1 | 43 2.8 | 24.3 | | 9.4 | 11.9 | 11.4 | | 9.4 | 58 2.7 | 28.0 | B | 9.5 | 53.6 | 48.6 | | 9.4 | 45.8 | 8.1 | |
| 9.4 | 4.7 | 47.0 | | 8.5 | 16.2 | 39.6 | K | 9.0 | 4.8 | 6.9 | | 9.5 | 53.6 | 53.4 | | 9.5 | 12 16.7 | 43.0 | B |
| 9.4 | 12.8 | 12.3 | | 9.5 | 23.4 | 47.2 | | 8.7 | 5.3 | 44.1 | Kb | 9.5 | 54.2 | 6.1 | | 9.5 | 28.3 | 18.3 | |
| 9.1 | 14.5 | 34.1 | | 9.3 | 27.7 | 37.3 | | 9.5 | 9.0 | 28.2 | *B* | 9.3 | 5 26.5 | 4.2 | | 9.4 | 31.4 | 59.5 | |
| 9.5 | 16.0 | 22.7 | | 9.0 | 35.5 | 9.0 | B | 9.5 | 10.3 | 55.8 | | 8.8 | 29.8 | 12.7 | K | 9.5 | 34.7 | 56.5 | |
| 9.5 | 20.0 | 32.0 | | 9.5 | 38.0 | 8.0 | | 9.3 | 22.4 | 39.6 | | 8.6 | 31.4 | 22.5 | K | 9.4 | 42.3 | 53.0 | |
| 8.3 | 45.0 | 38.8 | | 9.5 | 39.2 | 37.0 | | 9.5 | 33.9 | 14.9 | | 8.8 | 35.2 | 43.0 | | 9.5 | 43.4 | 55.1 | |
| 9.5 | 46.4 | 35.9 | | 9.5 | 39.4 | 52.3 | | 7.9 | 39.5 | 49.9 | K | 9.5 | 52.4 | 52.0 | | 9.3 | 53.8 | 36.9 | |
| 9.3 | 48.7 | 5.0 | | 9.4 | 46.7 | 39.1 | | 9.5 | 44.1 | 7.5 | | 9.2 | 6 0.2 | 37.5 | | 9.5 | 13 7.1 | 11.6 | |
| 9.3 | 44 5.5 | 51.0 | | 9 3 | 50.3 | 13.2 | | 9.5 | 45.2 | 13.1 | | 9.4 | 3.3 | 4.2 | | 9.4 | 14.0 | 4.0 | |
| 8.5 | 11.3 | 44.7 | K | 9.5 | 51 18.4 | 57.4 | | 9.4 | 50.3 | 33.5 | | 9.5 | 6.4 | 48.2 | | 9.5 | 23.0 | 11.5 | |
| 7.7 | 19.9 | 44.0 | K | 8.7 | 26.3 | 4.0 | Kb | 9.2 | 51.0 | 48.6 | | 9.5 | 12.8 | 31.0 | B | 9.5 | 23.7 | 2.0 | |
| 9.1 | 22.8 | 23.4 | | 9.2 | 34.7 | 54.6 | K | 9.0 | 59 0.4 | 12.0 | | 9.5 | 13.5 | 24.7 | | 9.0 | 43.7 | 57.2 | |
| 9.2 | 23.6 | 56.5 | K | 8.9 | 41.3 | 2.5 | K | 9.3 | 21.5 | 39.9 | | 9.5 | 18.0 | 34.9 | | 9.3 | 14 1.5 | 6.2 | |
| 9.2 | 27.7 | 16.3 | R | 9.3 | 43.2 | 53.4 | | 9.5 | 33.8 | 47.8 | | 9.5 | 20.5 | 20.7 | | 8.8 | 10.4 | 31.0 | |
| 9.4 | 29.6 | 46.0 | | 9.5 | 54.4 | 35.0 | | 9.4 | 45.9 | 10.0 | | 9.3 | 26.1 | 57.7 | | 9.1 | 10.8 | 5.1 | |
| 9.4 | 30.6 | 42.0 | B | 9.5 | 52 6.0 | 53.7 | | 9.3 | 50.1 | 11.6 | | 9.5 | 36.7 | 15.8 | | 9.3 | 17.1 | 20.0 | |
| 9.2 | 34.0 | 12.8 | R | 9.3 | 6.6 | 40.6 | | 9.5 | 58.0 | 27.5 | | 9.4 | 38.7 | 32.7 | | 9.2 | 23.4 | 39.0 | |
| 7.2 | 42.3 | 15.8 | Kb | 9.0 | 27.0 | 13.4 | | 9.0 | 0 0.5 | 26.5 | | 9.5 | 58.0 | 9.6 | | 9.5 | 24.3 | 4.6 | |
| 9.5 | 52.0 | 29.6 | | 9.4 | 34.9 | 46.5 | | 9.5 | 11.8 | 34.5 | | 8.8 | 7 20.6 | 33.0 | | 9.0 | 39.2 | 4.3 | |
| 9.0 | 45 18.8 | 50.0 | | 8.7 | 37.1 | 24.8 | K | 9.5 | 23.2 | 39.1 | | 9.5 | 31.2 | 6.9 | B | 9.5 | 42.5 | 5.2 | |
| 9.1 | 35.7 | 49.5 | | 9.5 | 44.4 | 3.3 | | 9.5 | 35.0 | 27.8 | | 9.2 | 37.3 | 32.1 | | 8.8 | 50.8 | 27.8 | |
| 9.2 | 40.9 | 46.0 | | 9.5 | 53 4.0 | 45.5 | | 9.3 | 38.4 | 54.3 | | 9.5 | 38.2 | 40.8 | | 9 5 | 15 2.3 | 16 2 | B |
| | + | + | | | + | + | | | + | + | | | + | — | | | + | — | |
| 10 pr. | 35.70 | 0.26 | | 10 pr. | 35.71 | 0.16 | | 10 pr. | 35.72 | 0.04 | | 10 pr. | 35.72 | 0.06 | | 10 pr. | 35.71 | 0.16 | |

| 1171 a | | | |
|---|---|---|---|
| var | 47 | 13 | 8.7 |

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵘ | | +20° | | | 6ᵘ | | +20° | | | 6ᵘ | | +20° | | | 6ᵘ | | +20° | | | 6ᵘ | | +20° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.5 | 15′ | 14.5 | 43.0 | | 9.5 | 22′ | 47.5 | 13.2 | | 8.6 | 31′ | 22.1 | 36.7 | B | 9.5 | 40′ | 56.4 | 53.6 | | 9.5 | 48′ | 24.8 | 27.6 | |
| 9.3 | | 23.6 | 32.7 | | 9.5 | | 50.1 | 6.0 | | 9.2 | | 24.4 | 31.4 | | 9.5 | | 57.8 | 5.2 | | 9.5 | | 30.1 | 39.0 | |
| 9.0 | | 25.3 | 20.5 | | 9.4 | | 59.4 | 25.0 | | 9.0 | | 31.7 | 7.9 | | 9.5 | 41 | 0.2 | 39.7 | | 9.5 | | 30.6 | 18.7 | |
| 9.5 | | 27.4 | 27.6 | | 9.5 | 23 | 7.7 | 43.2 | | 9.0 | | 40.9 | 4 6 | | 9.3 | | 11.1 | 34.3 | | 8.9 | | 35.4 | 40.8 | |
| 9.4 | | 33.3 | 56.1 | | 9.2 | | 8.0 | 47.0 | | 9.5 | | 49.0 | 18.9 | | 9.5 | | 29.8 | 6.2 | | 9.5 | | 37.7 | 22.5 | |
| 9.3 | | 53.4 | 35.1 | | 9.2 | | 10.2 | 40.8 | B | 9.3 | | 49.1 | 21.8 | | 9.5 | | 37.8 | 26.2 | | 9.4 | | 43.1 | 25.1 | |
| 9.5 | | 54.0 | 32.9 | | 9.5 | | 13.8 | 23.9 | | 9.1 | 32 | 13.7 | 52.8 | | 8.3 | | 56.2 | 7.7 | | 9.4 | | 49.4 | 4.5 | |
| 9.5 | 16 | 28.5 | 52.4 | | 8.4 | | 25.4 | 0.9 | L | 7.6 | | 25.4 | 46.4 | K | 9.5 | 42 | 14.6 | 56.2 | | 9.5 | | 50.3 | 26.5 | |
| 8.4 | | 52.3 | 35.8 | | 9.5 | | 33.3 | 54.7 | | 9.4 | | 28.1 | 25.3 | | 8.3 | | 15.6 | 9.2 | Kb | 8.8 | | 51.9 | 15.8 | |
| 9.1 | 17 | 9 8 | 0.5 | K | 9.5 | | 37.1 | 11.0 | | 9.3 | | 41.6 | 2.7 | B | 8.5 | | 19.8 | 57.7 | B | 9.4 | | 53.4 | 11.4 | B |
| 9.3 | | 13.3 | 50.6 | | 8.4 | 24 | 2.0 | 59.1 | K | 7.9 | | 44.2 | 6.1 | Kb | 9.5 | | 25.7 | 3.7 | | 7.8 | 49 | 10.0 | 39.5 | L |
| 9.0 | | 18.9 | 10.5 | K | 9.5 | | 20.3 | 34.6 | | 9.5 | 33 | 6.7 | 50.1 | | 9.5 | | 32.9 | 59.8 | | 9.5 | | 37.7 | 15.7 | |
| 9.0 | | 24.5 | 13.1 | K | 9.5 | | 26.8 | 20.0 | | 9.1 | | 16.8 | 37.7 | K | 9.2 | | 33.6 | 40.4 | | 9.3 | | 51.0 | 0.3 | |
| 9.3 | | 27.3 | 50.9 | | 9.5 | | 27.7 | 21 5 | | 8.8 | | 23.2 | 20.8 | | 9.2 | | 49.0 | 59.5 | | 9.5 | | 51.6 | 56.8 | |
| 9.3 | | 35.4 | 32.9 | | 8.9 | | 29.6 | 10.0 | | 8.8 | | 21.0 | 14.5 | | 9.5 | | 59.9 | 13.6 | | 8.9 | 50 | 11.8 | 19.2 | |
| 9.2 | | 39.1 | 16.4 | B | 9.4 | | 30.3 | 36.8 | | 8.7 | | 47.0 | 50.8 | K | 9.0 | 43 | 7.7 | 6.7 | | 9.0 | | 20.4 | 58.2 | |
| 9.3 | | 41.8 | 15.4 | | 9.5 | | 36.8 | 5.5 | | 8.8 | | 56.0 | 18.7 | | 9.5 | | 10.5 | 46.2 | | 9.5 | | 21.5 | 47.8 | |
| 9.0 | | 48.7 | 8.0 | Kb | 9.5 | | 43.8 | 36.1 | | 9.3 | | 57.8 | 18.8 | | 8.5 | | 15.0 | 29.9 | K | 9.4 | | 38.0 | 45.2 | |
| 9.3 | | 51.3 | 15.1 | | 9.0 | | 49.7 | 58.4 | | 9.0 | | 59.5 | 26.0 | | 9.0 | | 16.2 | 22.3 | | 9.5 | | 42.1 | 39.8 | |
| 8.3 | 18 | 12.7 | 31.2 | K | 9.5 | | 57.6 | 47.8 | | 8.7 | 34 | 12.9 | 38.3 | | 9.5 | | 28.9 | 45.9 | | 9.3 | | 44.0 | 46.7 | |
| 9.5 | | 12.9 | 47.9 | | 9.5 | 25 | 1.1 | 15.2 | B | 8.5 | | 25.4 | 6.6 | | 9.0 | | 32.2 | 25.6 | B | 8.2 | | 47.6 | 38.2 | B |
| 9.3 | | 39.4 | 27.0 | | 9.4 | | 16.8 | 50.6 | | 9.5 | | 50.0 | 37.8 | | 8.8 | | 34.3 | 7.5 | Kb | 9.5 | 51 | 17.1 | 26.5 | |
| 9.5 | | 56.9 | 14.8 | | 9.4 | | 20.0 | 42.9 | | 9.0 | | 54.2 | 32.5 | | 9.4 | | 37.6 | 44.9 | | 9.5 | | 58.6 | 9.0 | |
| 9.1 | 19 | 1.2 | 1.1 | | 9.4 | | 28.5 | 4.5 | | 9.2 | 35 | 1.1 | 12.5 | | 9.5 | | 38.2 | 28.6 | | 9.5 | 52 | 1.0 | 22.2 | |
| 9.5 | | 2.9 | 57.8 | | 9.3 | | 31.4 | 47.0 | | 9.2 | | 16.3 | 9.5 | | 9.1 | | 43.2 | 45.3 | B | 9.5 | | 19.8 | 27.9 | |
| 8.0 | | 6.7 | 52.2 | K | 9.3 | | 34.6 | 44.7 | | 9.3 | | 35.6 | 1.5 | | 9.5 | 44 | 3.0 | 1.4 | | 9.5 | | 30.5 | 16.0 | |
| 7.0 | | 7.6 | 52.7 | K | 9.5 | 26 | 1.8 | 5.0 | | 9.5 | | 43.5 | 4.5 | | 9.5 | | 6.9 | 52.2 | | 9.5 | | 42.1 | 7.5 | |
| 6.8 | | 19.5 | 35.0 | K | 9.5 | | 4.2 | 52.2 | | 9 5 | | 44.3 | 50.4 | | 8.8 | | 14.4 | 32.5 | | 8.7 | | 46.5 | 17.8 | B |
| 9.3 | | 20.7 | 25.6 | | 8.9 | | 12.9 | 42.4 | | 7.1 | | 52.0 | 49.8 | K | 9.5 | | 29.1 | 26.4 | | 9.3 | 53 | 0.0 | 8.5 | |
| 9.0 | | 22.0 | 4.9 | | 9.5 | | 27.9 | 3.7 | | 7.9 | 36 | 3.4 | 7.6 | B | 9.2 | | 35.8 | 4.5 | K | 9.5 | | 6 0 | 44.9 | |
| 9.5 | | 24.5 | 9.3 | | 9.5 | | 40.3 | 42.3 | | 9.2 | | 9.0 | 41.7 | | 9.5 | | 45.9 | 35.7 | | 8.0 | | 11.4 | 15.0 | B |
| 9.5 | | 36.9 | 39.7 | | 9.5 | | 42.7 | 42.5 | | 7.1 | | 15.4 | 59.9 | K | 9.2 | | 51.3 | 27.7 | | 9.5 | | 27.3 | 4.4 | |
| 9.5 | | 37.0 | 30.8 | | 8.8 | | 44.2 | 29.6 | | 8.9 | | 22.4 | 8.8 | B | 9.5 | | 53.8 | 5.2 | | 9.5 | | 29.3 | 13.7 | |
| 9.5 | | 39.9 | 8.8 | | 9.0 | | 47.8 | 33.6 | | 9.5 | | 26.0 | 2.5 | | 9.5 | 45 | 29.5 | 21.5 | | 9.5 | | 31.6 | 41.0 | |
| 9.0 | | 43.7 | 53.3 | K | 9.4 | | 48.3 | 4.7 | | 8.8 | | 47.0 | 13.0 | | 9.5 | | 32.0 | 18.0 | | 9.4 | | 40.1 | 12.2 | B |
| 9.1 | 20 | 3.2 | 36.4 | | 8.0 | | 57.9 | 59.6 | K | 9.4 | | 53.6 | 56.0 | B | 9.5 | | 37.8 | 35.3 | | 9.3 | 54 | 16.5 | 28.9 | |
| 9.5 | | 4.9 | 6.2 | B | 9.5 | 27 | 23.0 | 28.5 | | 9.4 | | 55.9 | 51.8 | | 9.5 | | 39.4 | 4.4 | | 9.3 | | 17.0 | 55.5 | |
| 9.5 | | 7.3 | 47.8 | | 9.5 | | 25.4 | 39.3 | | 9 5 | | 57.7 | 55.4 | | 9.5 | | 48.5 | 26.8 | | 9.1 | | 27.0 | 44.8 | K |
| 9.3 | | 11.5 | 33.0 | | 9.2 | | 43.5 | 4.9 | | 9.4 | 37 | 1.6 | 56.9 | | 9.3 | | 59.4 | 39.6 | | 9.1 | | 35.2 | 58.5 | K |
| 8.5 | | 17.3 | 19.7 | R | 9.5 | | 58.1 | 27.0 | | 9.5 | | 18.9 | 1.4 | | 9.5 | 46 | 9.1 | 16.6 | | 9.5 | | 37.0 | 31.7 | |
| 4.3 | | 22.2 | 18.2 | Rb | 9.3 | | 59.3 | 26.2 | | 9.4 | | 39.7 | 34.7 | | 9.5 | | 25.0 | 54.8 | | 9.5 | | 43.0 | 35.6 | |
| 9.1 | | 31.4 | 54.5 | | 9.5 | 28 | 6.0 | 49 5 | | 8.0 | | 48 6 | 51.2 | L | 9.0 | | 29.5 | 29.8 | | 9.4 | | 45.0 | 19.6 | |
| 9.5 | | 44.9 | 45.1 | | 9 5 | | 11.4 | 27.9 | | 9.3 | | 49.6 | 16.4 | B | 9.3 | | 43.4 | 57.7 | | 9.5 | | 50.3 | 9.0 | |
| 9.1 | | 48.2 | 2.0 | | 9.2 | | 26.5 | 55.5 | | 8.5 | | 50.1 | 59.5 | B | 9.2 | | 46.7 | 21.3 | a | 9.2 | 55 | 2.6 | 7.8 | |
| 9.5 | 21 | 15.1 | 48.6 | | 9.5 | | 44.1 | 36.4 | | 9.3 | | 50.4 | 2.5 | | 9.2 | | 50.0 | 30.9 | | 9.3 | | 19.6 | 31.2 | |
| 9.3 | | 19.6 | 24.5 | | 9.1 | 29 | 2.2 | 39.8 | b | 8.5 | 38 | 16.0 | 34.1 | K | 9.0 | | 50.9 | 21.8 | | 8.5 | | 29.9 | 48.2 | K |
| 9.3 | | 20.5 | 16.3 | | 9.0 | | 7.3 | 13.0 | | 8.6 | | 27.5 | 56.0 | B | 9.5 | | 57.0 | 56.2 | | var | | 31.6 | 46.5 | K |
| 9.5 | | 42.0 | 53.2 | | 9.0 | | 9 3 | 4.3 | | 9.5 | | 37.3 | 3.8 | | 9.0 | 47 | 6.7 | 15.9 | | 9.5 | | 46.2 | 37.2 | |
| 8.8 | | 44.7 | 13.3 | K | 9.5 | | 23.7 | 38.5 | | 9.5 | | 38.7 | 37.8 | | 9.2 | | 13.4 | 55.0 | | 9.5 | 56 | 18.1 | 26.9 | |
| 8.7 | | 49.7 | 52.3 | K | 9.5 | | 26 0 | 1.5 | | 9.5 | | 51.2 | 59.0 | | 9.1 | | 13.5 | 0.8 | | 9.5 | | 19.5 | 30.4 | |
| 8.5 | | 53.8 | 50.1 | | 9.5 | | 31.1 | 26.1 | | 9.5 | | 57.4 | 14.5 | | 9.3 | | 16.9 | 30.4 | | 9.2 | | 21.1 | 43.5 | B |
| 9.5 | | 59.5 | 9.1 | | 9.5 | | 41.5 | 59.6 | | 9.5 | 39 | 5.0 | 33.6 | | 9.3 | | 28.6 | 18.4 | | 9.3 | | 22.8 | 42.2 | |
| 9.5 | 22 | 1.3 | 37.6 | | 9.3 | | 43.0 | 24.9 | | 9.3 | | 32.7 | 25.0 | | 8.8 | | 29.4 | 16.4 | | 9.1 | | 31.1 | 56.0 | |
| 8.0 | | 3.1 | 30.9 | K | 9.5 | | 44.7 | 16.0 | | 8.8 | | 42.9 | 14.7 | | 9.0 | | 29.9 | 15.9 | | 9.5 | | 37.3 | 13.2 | |
| 9.5 | | 9.2 | 7.4 | | 9.5 | | 56.8 | 30.0 | | 9.0 | | 51.5 | 56.5 | | 9.3 | | 31.0 | 45.9 | | 8.6 | | 41.8 | 2.2 | Kb |
| 9.5 | | 27.4 | 49.1 | | 9.5 | 30 | 1.5 | 40.9 | | 9.3 | | 51.8 | 36.4 | | 9.5 | | 38.7 | 21.6 | | 9.5 | | 41.0 | 30.3 | |
| 9.5 | | 28.6 | 9.0 | | 9.4 | | 18.5 | 4.8 | | 9.5 | 40 | 11.0 | 58.2 | | 9.2 | | 50.6 | 6.6 | | 9.5 | | 44.3 | 4 1 | |
| 9.5 | | 36.0 | 49.3 | | 9.5 | | 57.0 | 40.0 | | 7.5 | | 20.3 | 43.3 | K | 9.3 | 48 | 19.8 | 28.6 | B | 9.3 | | 44.7 | 58.9 | |
| 9.5 | | 42.5 | 53.6 | | 9.5 | | 58.7 | 54.6 | | 9.5 | | 23.5 | 38.0 | | 9.2 | | 21.5 | 46.2 | | 9.5 | | 52.9 | 35.9 | |
| 9.5 | | 46.2 | 27.0 | | 9.3 | 31 | 3.5 | 54.6 | | 9.5 | | 49.9 | 12.3 | | 9.2 | | 21.7 | 44.0 | | 9.5 | 57 | 2.3 | 23.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.70 | 0.28 | | 10pr. | | 35.69 | 0.39 | | 10pr. | | 35.65 | 0.53 | | 10pr. | | 35.62 | 0.65 | | 10pr. | | 35.58 | 0.77 | |

| 1701—1760 | | | | 1761—1820 | | | | 1821—1880 | | | | 1881—1940 | | | | 1941—2000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6h—7h | +20° | | | 7h | +20° | | | 7h | +20° | | | 7h | +20° | | | 7h | +20° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 9.5 | 57′ 4.8 | 53.9 | | 9.5 | 9′ 25.7 | 53.0 | B | 9.5 | 21′ 46.3 | 33.2 | | 9.5 | 33′ 46.8 | 49.0 | | 9.0 | 45′ 55.4 | 12.3 | K |
| 9.3 | 5.2 | 12.4 | | 9.0 | 30.8 | 48.0 | K | 7.5 | 53.0 | 6.7 | Kb | 9.5 | 34 6.1 | 46.5 | | 9.5 | 46 8.7 | 7.5 | |
| 9.5 | 17.3 | 54.7 | B | 9.2 | 53.9 | 22.3 | K | 7.3 | 22 5.1 | 48.8 | R | 9.3 | 6.2 | 44.8 | B | 9.5 | 46.2 | 15.4 | |
| 9.5 | 29.1 | 9.2 | | 9.5 | 53.9 | 7.0 | | 8.8 | 10.9 | 13.8 | K | 9.5 | 25.2 | 50.4 | B | 9.5 | 51.2 | 38.8 | |
| 8.5 | 37.0 | 18.4 | K | 9.4 | 10 14.1 | 6.4 | | 8.5 | 28.9 | 42.1 | L | 8.2 | 39.1 | 27.3 | B | 9.5 | 47 2.7 | 37.5 | |
| 8.6 | 58 1.6 | 49.0 | | 9.3 | 24.1 | 29.4 | B | 9.5 | 56.0 | 37.7 | | 9.5 | 42.8 | 46.4 | | 6.0 | 13.2 | 16.6 | K |
| 8.7 | 8.5 | 43.5 | | 9.3 | 28.6 | 34.1 | | 9.5 | 23 8.1 | 45 0 | | 9.5 | 35 27.3 | 27.4 | | 9.1 | 24.9 | 7.4 | Kb |
| 9.4 | 20.2 | 55.7 | | 8.4 | 11 13.3 | 43.8 | R | 9.0 | 10.4 | 16.4 | | 9.3 | 39.5 | 27.6 | | 9.5 | 40.8 | 21.9 | |
| 9.5 | 24.6 | 3.6 | B | 9.0 | 22.2 | 28.3 | | 9.5 | 20.0 | 4.8 | | 8.5 | 43.4 | 13.5 | K | 9.5 | 48 3.4 | 33.6 | |
| 9.2 | 45.2 | 56.8 | | 8.2 | 56.5 | 22.8 | R | 8.7 | 17.4 | 54.6 | K | 7.5 | 44.0 | 33.1 | L | 9.0 | 7.1 | 16.4 | K |
| 9.5 | 46.5 | 11.9 | | 9.0 | 51.4 | 17.1 | | 9.5 | 21.8 | 41.6 | | 9.1 | 36 3.8 | 41.8 | | 9.3 | 27.0 | 14.3 | K |
| 8.6 | 52.0 | 44.1 | K | 9.2 | 12 1.2 | 3.4 | | 9.5 | 45.1 | 53.5 | | 9.5 | 28.4 | 45.5 | | 9.5 | 49 2.0 | 40.6 | |
| 9.3 | 53.3 | 23.4 | K | 9.1 | 46.6 | 14.1 | K | 9.4 | 24 15.6 | 57.3 | B | 6.5 | 39.0 | 39.3 | K | 9.5 | 5.4 | 7.1 | |
| 9.3 | 59 2.1 | 54.0 | B | 9.3 | 13 12.4 | 5.0 | B | 9.5 | 20.4 | 37.2 | | 9.4 | 40.5 | 13.3 | | 9.2 | 15.9 | 9.5 | |
| 9.0 | 48.6 | 14.2 | | 6.0 | 23.3 | 41.8 | Kb | 9.4 | 40.8 | 28.5 | | 9.0 | 44.0 | 43.5 | K | 9.5 | 18.6 | 44.2 | B |
| 8.9 | 0 25.8 | 16.2 | K | 9.5 | 57.2 | 22.8 | | 9.5 | 47.1 | 22.5 | | 9.4 | 37 11.0 | 16.3 | B | 9.5 | 27.7 | 44.0 | |
| 9.5 | 1 7.2 | 52.1 | | 9.5 | 14 14.2 | 7.0 | | 9.5 | 25 7.2 | 45.4 | | 9.5 | 23.0 | 31.5 | | 9.5 | 39.0 | 13.5 | |
| 9.0 | 15.8 | 42.5 | | 9.5 | 21.3 | 52.8 | | 9.5 | 16.2 | 43.6 | | 9.5 | 39.0 | 51.3 | | 9.3 | 44.4 | 33.2 | R |
| 9.2 | 17.2 | 13.9 | | 9.5 | 26.8 | 30.4 | | 9.2 | 23.1 | 24.2 | | 9.3 | 39.1 | 47.1 | | 8.7 | 50 4.0 | 57.8 | K |
| 9.3 | 30.1 | 34.8 | B | 9.5 | 28.3 | 25.2 | | 9.5 | 48.5 | 59.2 | | 9.5 | 38 0.1 | 15.4 | | 9.5 | 19.2 | 29.7 | |
| 9.1 | 31.5 | 20.3 | B | 8.5 | 29.6 | 49.0 | K | 9.5 | 26 4.2 | 24.0 | | 9.5 | 17.7 | 5.7 | b | 9.5 | 21.0 | 55.3 | |
| 9.3 | 33.5 | 9.8 | | 9.5 | 31.3 | 22.4 | | 9.3 | 11.3 | 29.4 | | 9.5 | 37.3 | 30.8 | | 9.3 | 24.6 | 56 5 | B |
| 8.5 | 44.3 | 13.2 | | 9.2 | 48.8 | 9.0 | Kb | 9.4 | 23.2 | 49.2 | B | 9.5 | 39 2.4 | 5.3 | | 9.5 | 30.6 | 19.2 | B |
| 9.1 | 59.9 | 40.7 | b | 8.7 | 48.8 | 59.7 | K | 8.7 | 36.1 | 38.4 | | 9.5 | 13.5 | 39.7 | | 9.5 | 33.1 | 40.9 | |
| 7.8 | 2 1.2 | 2.0 | B | 9.5 | 50.2 | 32.3 | | 9.5 | 55.7 | 31.5 | | 9.1 | 13.2 | 53.4 | | 9.2 | 35.3 | 53.9 | B |
| 9.2 | 34.3 | 23.4 | B | 9.5 | 52.3 | 27.9 | | 9.0 | 56.5 | 8.8 | Kb | 9.4 | 18.0 | 35.7 | Bb | 9.5 | 46.0 | 2.1 | |
| 8.0 | 49.3 | 30.0 | L | 9.3 | 58.9 | 8.3 | B | 9.5 | 27 13.6 | 0.1 | | 9.5 | 25.5 | 40.2 | B | 9.5 | 56.4 | 36.7 | |
| 8.6 | 3 7.0 | 55.3 | K | 9.5 | 59.4 | 48.4 | | 9.2 | 30.8 | 58.0 | K | 9.5 | 47.3 | 7.1 | | 9.1 | 51 1.1 | 50.6 | K |
| 8.0 | 16.4 | 6.9 | K | 9.5 | 15 8.6 | 58.7 | | 9.5 | 31.9 | 24.9 | | 9.5 | 40 32.7 | 21.6 | | 9.5 | 9.8 | 25.1 | |
| 9.5 | 43.1 | 14.6 | | 9.5 | 10.4 | 42.5 | | 9.0 | 35.3 | 48.6 | K | 9.5 | 38.6 | 0.6 | | 9.1 | 22.4 | 11.5 | K |
| 9.5 | 58.5 | 9.4 | | 9.3 | 20.0 | 1.8 | | 9.3 | 44.7 | 48.8 | | 9.5 | 41.7 | 38.7 | | 9.5 | 33.2 | 55.9 | |
| 9.5 | 59.0 | 41.4 | | 9.5 | 37.4 | 8.1 | | 8.5 | 28 20.8 | 48.8 | K | 9.5 | 43.7 | 36.0 | | 9.4 | 52 6.4 | 46.5 | |
| 9.5 | 4 1.4 | 17.1 | | 9.5 | 16 5.7 | 36.7 | | 9.5 | 22.1 | 53.2 | | 8.5 | 46.8 | 7.5 | Kb | 9.5 | 13.0 | 49.9 | |
| 9.5 | 1.9 | 36.5 | | 9.5 | 12.3 | 6.2 | | 9.0 | 24.4 | 21.8 | K | 9.5 | 56.9 | 13.5 | | 9.4 | 15.4 | 28.7 | |
| 9.5 | 31.4 | 33.1 | | 7.5 | 17.3 | 16.9 | K | 9.1 | 28.9 | 44.5 | K | 9.5 | 41 2.0 | 52.8 | | 9.4 | 19.1 | 51.4 | B |
| 8.7 | 32.6 | 49.0 | K | 9.5 | 33.4 | 21.7 | | 7.0 | 33.6 | 29.0 | K | 9.5 | 36.4 | 5.7 | | 7.0 | 22.4 | 11.8 | K |
| 9.5 | 48.8 | 15.9 | | 9.0 | 34.8 | 12.4 | K | 9.1 | 47.7 | 1.1 | b | 9.5 | 42.5 | 11.1 | | 9.4 | 52.7 | 11.5 | |
| 9 5 | 5 4.4 | 17.1 | | 7.0 | 17 2.0 | 47.9 | S | 8.9 | 29 9.1 | 38.7 | K | 9.5 | 42 4.9 | 13.2 | B | 9.5 | 53 11.4 | 19.8 | |
| 9.5 | 11.2 | 3.7 | | 9.1 | 3.3 | 19.4 | K | 9.5 | 36.1 | 33.8 | | 9.1 | 8.7 | 22.8 | b | 9.0 | 13.4 | 50.2 | |
| 9.1 | 14.3 | 28.6 | Kb | 9.5 | 18.7 | 29.7 | | 9.3 | 44.8 | 34.3 | K | 9.1 | 10.0 | 5.2 | K | 9 5 | 35.5 | 13.6 | |
| 9.4 | 26.1 | 2.0 | | 9.5 | 32.3 | 50.4 | | 9.5 | 47.7 | 54.6 | | 9.5 | 21.2 | 18.8 | | 9.5 | 36.7 | 56.8 | |
| 9.5 | 28.3 | 49.7 | | 9.5 | 39.8 | 22.4 | | 9.5 | 30 2.6 | 7.3 | | 8.5 | 26.1 | 47.4 | L | 8.1 | 40.0 | 7.7 | Kb |
| 8.0 | 59.5 | 44.9 | K | 9.5 | 50.1 | 9.6 | | 8.7 | 18.4 | 43.4 | | 9.5 | 41.3 | 32.1 | | 9.4 | 54 43.3 | 50.8 | |
| 9.5 | 59.6 | 9.6 | | 9.5 | 18 1.3 | 29.3 | | 9.5 | 31.0 | 41.5 | | 9.5 | 44.7 | 24.5 | | 9.2 | 54.0 | 12.2 | |
| 8.8 | 6 6.0 | 6.6 | | 6.5 | 23.3 | 33.1 | Lb | 9.5 | 40.8 | 42.5 | | 9.2 | 43 1.2 | 13.2 | K | 9.5 | 55 5.7 | 14.6 | a |
| 9.5 | 11.6 | 58.3 | | 8.7 | 52.8 | 42.4 | R | 7.5 | 46.4 | 27.5 | K | 9.5 | 21.9 | 42.4 | | 7.5 | 7.4 | 45.0 | K |
| 9.1 | 29.2 | 29.6 | B | 8.8 | 58.9 | 6.5 | | 9.5 | 52.4 | 35.1 | | 9.5 | 49.1 | 39.0 | | 9.2 | 20.4 | 32.5 | K |
| 9.5 | 29.3 | 3.8 | | 9.2 | 19 3.8 | 32.0 | | 9.0 | 57.9 | 6.4 | | 9.2 | 44 11.5 | 24.3 | a | 9.4 | 35.7 | 33.3 | B |
| 9.4 | 40.8 | 29.6 | B | 9.5 | 14.2 | 16.6 | | 9.5 | 58.6 | 43.6 | | 9.4 | 13.4 | 59.0 | | 9.5 | 37.2 | 32.7 | |
| 9.5 | 49.6 | 9.4 | | 9.2 | 19.7 | 26.5 | | 9.3 | 31 7.4 | 14.6 | | 9.5 | 14.9 | 2.5 | | 9.4 | 38.6 | 54.2 | |
| 7.7 | 7 9.4 | 6.4 | Lb | 9.5 | 33.6 | 59.6 | | 9.0 | 7.6 | 57.0 | K | 9.5 | 24.0 | 54.7 | | 9.3 | 43.4 | 43.6 | |
| 9.4 | 19.8 | 44 9 | | 9.5 | 35.1 | 31.8 | | 9.5 | 9.5 | 45.1 | | 9.0 | 30.1 | 24.5 | | 8.8 | 45.7 | 30.5 | K |
| 8.7 | 23.3 | 39.7 | | 9.5 | 59.0 | 21.4 | | 9.5 | 32 8.6 | 44.2 | | 8.7 | 35.4 | 32.3 | K | 8.3 | 56 0.2 | 11.6 | |
| 9.5 | 35.2 | 35.6 | | 9.5 | 20 44.8 | 56.1 | | 9.4 | 32.5 | 34.9 | | 9.5 | 45.7 | 33.9 | | 8.6 | 24.4 | 39.0 | K |
| 9.5 | 46.7 | 37.8 | | 9.5 | 56.4 | 0.5 | | var | 37.0 | 45.3 | K | 9.5 | 59.3 | 8.8 | | 9.5 | 25.2 | 17.3 | |
| 9.5 | 8 9.2 | 20.8 | | 9.2 | 21 4.0 | 30.1 | B | 9.5 | 43.4 | 48.1 | | 9.5 | 45 17.7 | 53.3 | | 9.5 | 26.0 | 57.6 | |
| 9.3 | 28.7 | 34.8 | | 9.1 | 9.5 | 29.7 | | 9.5 | 54.3 | 2.1 | | 9.5 | 34.2 | 56.2 | | 9.0 | 26.7 | 29.8 | K |
| 9.2 | 46.4 | 40.0 | | 9.4 | 19.4 | 36.3 | | 9.4 | 33 2.1 | 27.9 | B | 9.1 | 40.5 | 43.5 | b | 8.8 | 45.5 | 54.8 | L |
| 9.0 | 59.3 | 19 6 | | 9.4 | 35.7 | 15.9 | | 9.5 | 20.7 | 29.3 | | 9.1 | 41.0 | 33.2 | B | 9.4 | 57 7.1 | 51.2 | |
| 9.5 | 9 11.4 | 22.0 | | 9.2 | 40.4 | 57.3 | | 9.4 | 44.2 | 31.9 | | 9.5 | 51.3 | 47.1 | | 9.5 | 13.7 | 49.8 | |
| | | + | — | | | + | — | | | + | — | | | + | — | | | + | — |
| 10pr. | | 35.53 | 0.92 | 10pr. | | 35.45 | 1.08 | 10pr. | | 35.36 | 1.25 | 10pr. | | 35.25 | 1.42 | 10pr. | | 35.14 | 1.56 |

| 2001—2060 | | | | 2061—2120 | | | | 2121—2180 | | | | 2181—2240 | | | | 2241—2300 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ—8ᵘ | +20° | | | 8ᵘ | +20° | | | 8ᵘ | +20° | | | 8ᵘ | +20° | | | 8ᵘ—9ᵘ | +20° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 58 1.4 | 6.7 | | 9.5 | 11 59.6 | 42.5 | | 9.3 | 27 18.2 | 51.1 | | 9.5 | 33 8.6 | 27.5 | | 9.0 | 47 19.9 | 33.1 | K |
| 9.5 | 32.5 | 43.2 | | 9.5 | 12 18.1 | 31.5 | B | 8.7 | 20.7 | 49.0 | L | 8.7 | 15.6 | 10.3 | K | 9.5 | 23.2 | 4.9 | |
| 7.8 | 59 1.9 | 13.6 | L | 9.3 | 35.4 | 12.2 | K | 8.2 | 24.2 | 16.0 | B | 9.3 | 22.7 | 10.4 | dW | var | 48 22.6 | 23.5 | K |
| 9.5 | 38.8 | 44.0 | | 9.4 | 13 19.9 | 56.4 | | 9.5 | 51.9 | 54.0 | | 9.5 | 24.1 | 44.4 | | 8.0 | 38.3 | 44.1 | K |
| 9.1 | 41.5 | 58.4 | K | 9.5 | 32.7 | 38.8 | | 8.1 | 56.3 | 50.7 | K | 7.5 | 29.7 | 23.2 | K | 9.5 | 48.9 | 5.2 | |
| 9.5 | 57.9 | 32.8 | | 7.5 | 40.8 | 25.6 | Lb | 9.5 | 57.5 | 40.0 | | 8.9 | 33.4 | 40.6 | W | 9.2 | 49 0.4 | 26.5 | K |
| 9.5 | 0 13.1 | 42.9 | | 9.5 | 48.3 | 6.2 | | 9.5 | 28 25.5 | 15.5 | | 9.5 | 36.7 | 8.8 | | 9.3 | 25.2 | 7.6 | Kb |
| 8.7 | 14.7 | 11.2 | L | 9.5 | 14 6.5 | 22.1 | | 9.2 | 41.3 | 5.8 | | 9.5 | 45.8 | 6.8 | B | 9.1 | 33.5 | 2.8 | K |
| 9.5 | 20.5 | 42.2 | | 9.4 | 27.9 | 2.1 | | 8.0 | 29 3.4 | 59.3 | L | 9.2 | 58.7 | 33.1 | | 9.1 | 50 22.4 | 44.4 | |
| 9.5 | 32.7 | 56.2 | | 8.8 | 38.5 | 28.5 | | 9.1 | 8.3 | 4.3 | | 9.5 | 58.9 | 14.7 | | 9.1 | 34.4 | 21.8 | b |
| 9.4 | 52.7 | 48.4 | B | 9.5 | 47.0 | 24.0 | | 8.8 | 10.8 | 31.3 | Wb | 9.0 | 34 0.0 | 41.3 | K | 9.5 | 49.3 | 8.3 | |
| 9.0 | 53.9 | 31.8 | K | 8.9 | 56.0 | 15.3 | | 8.2 | 16.3 | 14.7 | K | 9.4 | 22.3 | 2.9 | | 9.4 | 51 8.4 | 40.5 | |
| 9.5 | 2 15.9 | 40.4 | | 9.5 | 15 37.4 | 21.4 | | 8.4 | 20.9 | 2.4 | K | 9.4 | 26.4 | 6.2 | | 9.5 | 21.1 | 39.2 | |
| 9.5 | 3 13.0 | 43.9 | | 9.5 | 53.2 | 54.7 | | 9.2 | 41.7 | 38.0 | | 9.5 | 44.1 | 6.3 | | 9.5 | 52 26.9 | 59.1 | |
| 9.5 | 16.8 | 56.6 | | 9.5 | 16 14.1 | 59.3 | | 9.5 | 52.8 | 3.5 | | 9.4 | 52.5 | 53.4 | | 9.5 | 53 2.5 | 51.5 | |
| 9.4 | 25.0 | 23.9 | | 9.2 | 17.4 | 10.4 | K | 8.0 | 30 0.9 | 43.2 | L | 9.5 | 35 15.7 | 42.8 | | 9.3 | 39.0 | 54.4 | K |
| 9.5 | 46.1 | 7.6 | | 9.5 | 17.9 | 47.3 | | 9.1 | 13.6 | 21.7 | | 9.5 | 31.6 | 12.9 | | 9.5 | 50.4 | 20.9 | |
| 9.5 | 4 0.7 | 7.2 | | 8.9 | 24.3 | 36.5 | B | 8.4 | 18.3 | 29.7 | L | 9.5 | 46.3 | 36.3 | | 8.9 | 54 20.5 | 41.2 | K |
| 9.5 | 55.8 | 25.8 | | 7.4 | 24.8 | 37.3 | L | 9.0 | 27.5 | 0.3 | W | 9.3 | 36 7.2 | 29.2 | K | 9.2 | 55 19.1 | 39.2 | |
| 8.2 | 57.9 | 42.5 | K | 9.5 | 17 11.7 | 25.1 | | 8.9 | 41.7 | 13.5 | K | 9.3 | 8.0 | 44.4 | | 8.2 | 27.1 | 39.2 | L |
| 8.6 | 5 38.3 | 6.5 | K | 9.2 | 27.4 | 4.1 | K | 8.5 | 43.2 | 31.0 | L | 9.5 | 17.6 | 13.9 | | 9.5 | 49.3 | 19.5 | |
| 9.3 | 56.1 | 42.2 | K | 8.5 | 35.8 | 38.8 | K | 9.0 | 43.3 | 37.0 | W | 9.3 | 26.0 | 24.9 | K | 9.5 | 57 3.4 | 24.0 | |
| 9.5 | 6 17.3 | 7.3 | | 9.5 | 46.0 | 35.6 | | 8.0 | 46.1 | 11.2 | K | 9.3 | 27.1 | 13.9 | | 9.5 | 48.9 | 42.9 | |
| 9.5 | 17.5 | 46.7 | | 9.2 | 18 5.9 | 14.6 | K | 8.8 | 49.4 | 5.9 | B | 9.5 | 44.5 | 51.5 | | 9.5 | 58 8.0 | 2.7 | |
| 9.2 | 26.9 | 43.5 | K | 9.5 | 6.7 | 53.1 | | 9.1 | 58.2 | 33.4 | dW | 9.3 | 37 5.1 | 21.5 | K | 7.8 | 15.9 | 42.5 | L |
| 9.2 | 45.6 | 3.5 | K | 9.1 | 30.8 | 59.6 | b | 9.5 | 31 10.9 | 34.5 | | 8.8 | 8.4 | 55.0 | K | 9.3 | 28.3 | 54.2 | |
| 9.5 | 53.2 | 8.1 | | 9.4 | 31.1 | 35.3 | | 9.0 | 12.0 | 41.3 | W | 8.0 | 30.2 | 33.7 | L | 9.4 | 40.4 | 49.7 | |
| 8.2 | 58.9 | 40.4 | K | 9.2 | 19 2.4 | 12.1 | | 8.0 | 22.7 | 35.8 | L | 9.5 | 53.4 | 22.9 | | 9.5 | 59 5.2 | 24.5 | |
| 9.5 | 7 25.0 | 43.0 | | 9.3 | 34.7 | 4.7 | | 7.0 | 22.7 | 17.5 | Kb | 8.4 | 56.2 | 13.2 | | 9.4 | 18.2 | 26.0 | |
| 9.5 | 41.2 | 7.8 | | 9.5 | 57.9 | 19.1 | B | 7.2 | 30.8 | 2.9 | K | 8.2 | 38 1.0 | 56.2 | K | 9.5 | 53.6 | 29.6 | |
| 9.4 | 46.1 | 2.1 | | 9.5 | 59 0 | 3.5 | | 9.4 | 33.8 | 34.2 | | 9.5 | 19.9 | 6.3 | | 9.5 | 0 6.6 | 39.2 | |
| 9.5 | 47.1 | 30.4 | | 9.5 | 20 16.4 | 1.2 | | 8.2 | 37.0 | 4.0 | K | 8.9 | 28.1 | 20.2 | K | 9.4 | 21.9 | 16.5 | |
| 9.5 | 54.1 | 9.0 | | 9.5 | 20.1 | 44.1 | | 8.2 | 37.9 | 2.7 | K | 8.7 | 29.5 | 50.2 | L | 8.9 | 37.4 | 12.9 | |
| 9.4 | 8 6.0 | 51.9 | | 9.5 | 24.0 | 9.4 | | 9.0 | 38.2 | 40.7 | W | 9.5 | 54.8 | 11.2 | | 9.2 | 48.9 | 35.7 | K |
| 9.4 | 6.4 | 19.2 | B | 8.6 | 21 2.9 | 54.4 | K | 9.1 | 38.4 | 32.3 | dB | 9.4 | 39 7.8 | 19.7 | B | 9.2 | 1 22.0 | 29.8 | K |
| 9.5 | 22.2 | 1.9 | | 9.5 | 37.1 | 47.6 | | 9.3 | 41.1 | 38.6 | dW | 8.6 | 8.7 | 27.0 | K | 9.3 | 29.4 | 20.9 | |
| 9.5 | 28.0 | 19.2 | B | 9.5 | 22 34.0 | 2.8 | | 9.5 | 44.7 | 14.1 | | 9.2 | 17.9 | 19.4 | B | 9.4 | 42.4 | 11.0 | |
| 9.5 | 48.9 | 43.5 | | 9.5 | 54.1 | 59.4 | | 7.0 | 46.5 | 31.0 | L | 9.4 | 26.3 | 18.6 | | 9.5 | 46.0 | 35.4 | |
| 9.2 | 9 24.2 | 45.3 | | 9.4 | 23 4.4 | 22.2 | | 7.3 | 50.4 | 28.7 | L | 9.0 | 53.5 | 12.0 | Kb | 9.4 | 46.8 | 16.8 | |
| 8.0 | 24.7 | 15.4 | B | 9.5 | 11.9 | 8.9 | | 9.4 | 53.5 | 8.5 | | 9.5 | 55.1 | 53.2 | | 9.5 | 2 19.2 | 20.3 | |
| 9.3 | 27.9 | 8.8 | | 9.5 | 25.3 | 22.0 | | 9.0 | 54.8 | 30.3 | | 9.5 | 40 17.6 | 9.6 | | 9.5 | 3 14.5 | 58.7 | |
| 9.5 | 30.2 | 55.1 | | 9.5 | 41.1 | 51.0 | | 9.5 | 57.3 | 17.7 | | 8.7 | 22.3 | 51.7 | K | 8.7 | 30.7 | 55.8 | K |
| 9.5 | 32.3 | 54.8 | B | 9.4 | 41.9 | 5.9 | | 8.2 | 58.8 | 2.2 | P | 9.4 | 29.5 | 38.7 | | 9.5 | 34.7 | 9.5 | B |
| 9.5 | 48.6 | 12.2 | | 9.1 | 46.4 | 3.5 | K | 9.5 | 32 0.1 | 36.8 | | 9.2 | 42 0.2 | 53.1 | K | 9.5 | 40.3 | 13.5 | |
| 8.5 | 10 6.4 | 4.0 | K | 9.5 | 52.9 | 8.8 | | 8.5 | 0.7 | 11.7 | W | 9.5 | 22.6 | 47.4 | | 9.3 | 48.6 | 4.0 | B |
| 9.5 | 14.7 | 7.2 | | 9.2 | 59.4 | 3.4 | K | 7.3 | 1.8 | 10.5 | P | 9.3 | 39.9 | 54.3 | | 9.4 | 51.6 | 6.0 | |
| 9.5 | 22.0 | 50.5 | | 9.2 | 24 6.4 | 0.8 | | 9.4 | 3.0 | 53.5 | | 9.5 | 49.1 | 59.5 | | 8.8 | 4 36.6 | 37.0 | K |
| 9.5 | 34.4 | 33.2 | | 8.5 | 16.8 | 37.4 | | 8.5 | 3.3 | 21.0 | W | 9.0 | 51.7 | 51.3 | K | 9.2 | 37.7 | 38.4 | B |
| 8.5 | 36.1 | 25.6 | K | 5.6 | 20.6 | 55.6 | L | 8.8 | 5.1 | 41.8 | W | 9.0 | 43 43.6 | 20.7 | L | 9.5 | 5 47.6 | 20.0 | |
| 9.5 | 50.4 | 16.3 | | 9.5 | 52.6 | 50.2 | | 9.1 | 6.3 | 11.7 | dB | 9.5 | 44 14.1 | 30.1 | | 9.5 | 6 6.3 | 7.4 | |
| 9.3 | 54.2 | 8.3 | | 9.3 | 53.5 | 7.4 | K | 7.2 | 8.4 | 3.6 | K | 9.1 | 33.4 | 28.9 | | 9.5 | 7 4.3 | 0.0 | B |
| 9.2 | 54.6 | 48.9 | | 9.1 | 58.7 | 51.8 | K | 7.1 | 24.3 | 13.5 | Kb | 7.2 | 45 38.2 | 31.0 | L | 9.5 | 39.1 | 9.2 | |
| 9.5 | 11 15.1 | 13.5 | | 9.2 | 25 1.5 | 57.2 | B | 8.7 | 31.1 | 46.6 | B | 8.5 | 42.1 | 46.3 | | 8.5 | 49.9 | 40.5 | R |
| 9.5 | 17.8 | 37.9 | | 9.5 | 20.6 | 46.5 | | 9.0 | 37.2 | 27.0 | W | 8.5 | 57.3 | 7.7 | Lb | 9.1 | 53.1 | 26.8 | R |
| 8.5 | 20.9 | 46.3 | | 9.5 | 54.8 | 2.4 | | 7.7 | 37.5 | 5.4 | K | 9.2 | 58.9 | 26.2 | | 9.5 | 8 1.9 | 1.5 | B |
| 9.1 | 22.4 | 53.2 | | 9.5 | 26 1.6 | 17.1 | | 9.5 | 48.8 | 1.0 | | 9.2 | 46 25.2 | 23.1 | K | 9.5 | 13.7 | 1.5 | B |
| 8.0 | 36.4 | 18.3 | K | 9.2 | 40.1 | 0.4 | Kb | 9.0 | 50.1 | 20.4 | W | 9.1 | 53.1 | 24.8 | K | 9.5 | 22.4 | 14.1 | |
| 9.5 | 38.4 | 7.6 | | 7.7 | 59.9 | 4.6 | K | 7.0 | 53.0 | 59.0 | L | 9.1 | 47 6.2 | 13.8 | | 9.5 | 44.2 | 34.4 | |
| 9.4 | 39.9 | 19.4 | | 9.5 | 27 7.1 | 42.0 | | 8.6 | 54.1 | 25.8 | K | 9.5 | 8.0 | 22.8 | | 9.5 | 48.0 | 42.2 | |
| 9.5 | 47.5 | 45.6 | | 9.5 | 9.0 | 7.3 | | 9.5 | 33 7.0 | 2.7 | | 9.5 | 10.0 | 5.9 | B | 9.2 | 9 25.3 | 30.9 | K |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 34.96 | 1.77 | | 10pr. | 34.81 | 1.92 | | 10pr. | 34.66 | 2.05 | | 10pr. | 34.58 | 2.13 | | 10pr. | 34.25 | 2.36 | |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ʰ | | +20° | | | 9ʰ | | +20° | | | 9ʰ—10ʰ | | +20° | | | 10ʰ | | +20° | | | 10ʰ—11ʰ | | +20° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 9 | 45.0 | 9.9 | | 9.5 | 33 | 43.9 | 39.7 | | 9.5 | 55 | 11.5 | 33.0 | | 9.1 | 16 | 0.0 | 18.4 | K | 9.1 | 52 | 32.8 | 12.0 | *b* |
| 8.9 | 10 | 30.6 | 1.7 | K | 9.5 | | 49.0 | 12.5 | | 9.4 | | 30.9 | 32.8 | | 9.5 | | 4.3 | 24.9 | | 9.2 | 53 | 29.2 | 43.8 | B |
| 9.4 | 12 | 57.9 | 48.1 | | 9.5 | | 52.4 | 35.5 | | 9.0 | | 40.6 | 57.5 | | 9.5 | 17 | 19.0 | 21.1 | | 9.2 | | 31.1 | 11.0 | K |
| 9.5 | 13 | 10.1 | 58.6 | | 9.3 | 34 | 4.3 | 59.8 | | 9.4 | | 53.8 | 51.3 | | 8.7 | 18 | 10.2 | 7.7 | K | 9.2 | | 41.1 | 48.6 | |
| 8.6 | | 11.6 | 4.0 | *B* | 9.3 | | 27.5 | 37.5 | B | 9.5 | 56 | 26.4 | 22.5 | | 9.5 | | 30.6 | 14.2 | | 9.5 | | 44.4 | 53.5 | |
| 9.1 | | 16.9 | 18.5 | K | 6.5 | 35 | 15.3 | 51.1 | K | 9.5 | | 50.2 | 14.9 | | 8.5 | | 59.7 | 14.6 | K | 8.0 | 54 | 13.7 | 17.5 | K |
| 9.5 | | 23.9 | 17.5 | | 9.5 | | 18.6 | 31.2 | | 9.5 | | 54.9 | 10.5 | | 6.8 | 19 | 7.4 | 6.2 | K | 4.3 | | 37.0 | 57.1 | *Lb* |
| 9.4 | 14 | 13.9 | 53.5 | | 9.5 | | 39.4 | 18.0 | | 9.5 | 57 | 7.9 | 40.0 | | 8.6 | | 17.3 | 33.5 | K | 9.4 | 55 | 12.3 | 0.5 | |
| 9.4 | | 17.5 | 10.0 | | 9.5 | 36 | 17.4 | 3.6 | | 8.0 | | 8.9 | 36.9 | K | 8.6 | | 48.1 | 52.3 | K | 9.5 | | 13.8 | 7.6 | |
| 9.3 | | 21.3 | 10.4 | B | 9.1 | | 22.5 | 19.4 | *b* | 7.7 | | 11.2 | 7.8 | *Kb* | 9.4 | 20 | 2.3 | 25.6 | | 9.5 | | 24.8 | 46.3 | |
| 9.4 | | 40.0 | 7.7 | R | 9.5 | | 22.7 | 26.3 | | 9.0 | 58 | 2.4 | 9.1 | *Kb* | 9.4 | | 3.3 | 34.2 | S | 9.5 | | 46.0 | 34.5 | |
| 9.5 | 15 | 14.6 | 1.7 | | 9.3 | | 41.4 | 19.4 | | 9.4 | | 38.2 | 50.7 | B | 9.5 | 21 | 4.3 | 19.4 | | 9.0 | | 52.3 | 21.8 | K |
| 9.2 | | 23.4 | 30.2 | | 9.5 | 37 | 6.4 | 29.3 | | 9.3 | 59 | 28.9 | 18.0 | | 9.0 | | 23.3 | 18.7 | K | 9.0 | | 55.1 | 42.8 | K |
| 7.4 | | 36.3 | 59.1 | K | 9.4 | | 10.5 | 5.7 | | 9.3 | | 29.9 | 29.4 | | 9.5 | | 35.9 | 58.8 | | 9.5 | 56 | 25.6 | 8.1 | |
| 8.4 | | 55.4 | 5.3 | L | 9.5 | | 24.9 | 49.6 | | 9.0 | | 41.0 | 30.0 | | 9.5 | | 59.5 | 53.6 | | 9.5 | | 56.3 | 13.5 | |
| 9.5 | | 57.7 | 34.7 | | 9.4 | | 29.9 | 58.3 | B | 9.5 | 0 | 1.9 | 5.0 | | 9.5 | 22 | 34.0 | 11.5 | | 9.5 | 57 | 4.1 | 40.2 | |
| 9.0 | 16 | 1.5 | 29.2 | K | 9.3 | 38 | 28.0 | 22.5 | | 9.1 | | 19.9 | 42.4 | K | 9.5 | 24 | 38.3 | 3.4 | | 9.4 | | 27.0 | 39.6 | |
| 6.3 | | 34.9 | 25.0 | *Kb* | 9.5 | 39 | 16.1 | 4.6 | B | 9.5 | 1 | 58.4 | 50.0 | | 9.0 | | 57.6 | 44.9 | K | 8.8 | | 32.2 | 55.5 | |
| 9.5 | 17 | 22.4 | 27.8 | | 9.4 | | 51.8 | 43.0 | *Bb* | 9.5 | 2 | 10.6 | 10.3 | | 9.5 | 25 | 12.3 | 26.7 | | 8.8 | 59 | 8.8 | 4.4 | |
| 8.9 | | 28.7 | 59.3 | | 9.5 | 41 | 6.4 | 23.9 | | 9.4 | 3 | 1.0 | 54.7 | | 8.5 | | 13.5 | 19.1 | K | 8.8 | | 12.3 | 30.1 | B |
| 9.5 | 18 | 21.2 | 9.2 | B | 9.5 | | 16.6 | 10.8 | | 9.4 | | 12.4 | 20.8 | | 9.5 | 26 | 17.8 | 51.1 | | 9.1 | 0 | 28.8 | 43.1 | K |
| 9.3 | | 25.3 | 56.7 | | 9.0 | | 49.2 | 28.0 | | 9.5 | | 15.9 | 15.0 | B | 9.5 | | 36.3 | 41.2 | | 9.0 | 1 | 8.8 | 35.2 | K |
| 8.8 | 19 | 45.9 | 26.5 | *Kb* | 8.6 | | 54.9 | 15.9 | R | 9.5 | | 17.4 | 25.6 | | 9.1 | 27 | 37.6 | 14.6 | K | 9.5 | | 43.9 | 55.5 | |
| 9.5 | 21 | 7.9 | 11.7 | | 9.5 | 42 | 46.3 | 56.4 | | 9.4 | | 18.4 | 28.9 | B | 9.3 | | 53.0 | 36.3 | | 9.5 | 2 | 42.8 | 16.5 | |
| 8.7 | | 20.4 | 46.0 | K | 9.5 | 43 | 20.4 | 25.9 | | 9.5 | | 52.8 | 0.6 | B | 9.5 | 28 | 12.6 | 53.2 | | 9.5 | 3 | 14.7 | 11.0 | |
| 9.0 | | 50.8 | 5.4 | *Kb* | 9.5 | | 35.1 | 53.0 | | 9.5 | | 59.7 | 6.1 | | 9.1 | | 13.4 | 14.9 | K | 9.5 | | 51.9 | 19.7 | |
| 9.2 | 22 | 55.2 | 27.6 | | 8.0 | | 44.9 | 49.7 | K | 7.7 | 4 | 2.9 | 49.4 | K | 8.2 | 29 | 57.3 | 43.2 | *Kb* | 9.4 | 4 | 7.3 | 35.6 | |
| 9.2 | | 55.6 | 5.4 | K | 9.5 | 44 | 25.9 | 40.0 | | 9.3 | | 8.0 | 56.0 | | 9.5 | 30 | 8.9 | 54.0 | B | 9.2 | | 37.3 | 32.1 | K |
| 9.5 | | 56.2 | 23.2 | | 9.5 | | 34.0 | 12.5 | | 9.1 | | 25.9 | 35.2 | *b* | 7.9 | | 41.6 | 22.5 | K | 9.3 | | 55.5 | 54.1 | K |
| 9.2 | | 59.9 | 38.9 | K | 9.5 | 45 | 6.6 | 56.7 | B | 9.5 | | 33.1 | 24.4 | B | 9.3 | 32 | 7.3 | 45.9 | | 9.1 | 5 | 34.7 | 46.9 | B |
| 7.2 | 23 | 25.3 | 54.3 | *B* | 7.4 | | 11.5 | 38.2 | K | 9.5 | 5 | 27.4 | 3.6 | | 9.5 | | 12.6 | 6.3 | | 9.5 | 6 | 2.3 | 6.4 | |
| 7.5 | | 33.4 | 38.3 | K | 9.5 | | 26.4 | 17.3 | | 9.5 | | 49.3 | 40.9 | | 9.4 | 33 | 32.3 | 53.2 | | 7.5 | | 5.4 | 56.0 | K |
| 9.2 | | 41.4 | 37.3 | K | 9.0 | | 49.5 | 16.0 | *Kb* | 9.5 | 6 | 5.7 | 56.9 | B | 9.5 | 35 | 58.8 | 9.6 | B | 7.7 | | 43.8 | 49.3 | K |
| 8.2 | | 51.8 | 41.4 | K | 9.4 | 46 | 1.7 | 24.9 | | 9.5 | | 58.4 | 18.0 | | 6.8 | 36 | 26.3 | 30.8 | L | 9.2 | 7 | 5.6 | 8.3 | |
| 8.4 | 24 | 31.9 | 29.8 | K | 9.5 | | 53.8 | 33.1 | | 9.2 | 7 | 31.7 | 50.9 | *Bb* | 9.4 | | 30.9 | 52.5 | | 9.1 | | 17.8 | 43.2 | |
| 9.5 | | 42.3 | 28.0 | | 9.1 | 47 | 46.3 | 14.5 | K | 9.3 | | 48.4 | 32.8 | | 9.4 | | 51.2 | 10.9 | B | 9.3 | | 50.0 | 16.2 | |
| 9.5 | 25 | 11.9 | 30.2 | | 9.5 | 48 | 6.1 | 42.7 | | 9.2 | 8 | 47.4 | 36.5 | K | 9.5 | 37 | 19.3 | 22.2 | | 8.6 | | 57.3 | 24.6 | K |
| 9.5 | | 39.0 | 11.0 | | 9.3 | | 40.9 | 16.0 | K | 9.3 | 9 | 0.0 | 6.8 | | 9.3 | | 49.0 | 56.3 | *b* | 9.5 | 9 | 1.9 | 37.6 | |
| 9.1 | | 42.3 | 57.9 | K | 7.5 | 49 | 2.5 | 26.9 | K | 9.5 | | 9.2 | 16.3 | | 9.2 | 38 | 4.3 | 14.2 | K | 9.3 | | 27.4 | 52.7 | |
| 7.0 | 27 | 52.7 | 41.4 | K | 9.0 | | 3.0 | 26.2 | K | 8.2 | | 47.7 | 43.1 | K | *9.1 | 41 | 9.6 | 33.5 | K | 8.8 | | 46.6 | 47.3 | K |
| 9.5 | 28 | 0.8 | 10.6 | | 9.3 | | 17.0 | 55.2 | | 9.1 | 10 | 16.9 | 26.3 | K | 9.3 | | 21.8 | 8.5 | | 9.1 | 10 | 39.7 | 52.0 | K |
| 9.1 | | 13.1 | 4.6 | *b* | 9.0 | | 19.8 | 17.7 | K | 9.5 | | 35.1 | 56.4 | | 9.2 | | 44.7 | 45.8 | K | 9.5 | 11 | 15.3 | 4.4 | |
| 9.3 | | 50.4 | 14.3 | K | 9.5 | | 27.1 | 17.2 | B | 9.5 | 11 | 23.0 | 54.9 | | 9.5 | 42 | 56.3 | 13.5 | | 9.5 | | 40.3 | 21.8 | |
| 9.4 | | 59.2 | 58.9 | | 9.5 | | 27.7 | 0.1 | B | 9.5 | | 37.9 | 37.4 | | 9.5 | 43 | 7.8 | 20.7 | | 9.2 | 12 | 13.4 | 53.8 | K |
| 9.3 | 29 | 34.6 | 53.6 | | 9.5 | | 30.4 | 23.8 | *?* | 9.2 | | 44.3 | 35.8 | B | 9.5 | 44 | 47.0 | 5.4 | | 9.2 | | 56.2 | 14.8 | *αB* |
| 9.4 | | 35.2 | 3.2 | | 8.8 | | 35.9 | 15.9 | K | 5.9 | | 50.6 | 12.7 | K | 9.0 | | 48.7 | 55.8 | K | 9.0 | 13 | 0.4 | 15.2 | K |
| 9.3 | 30 | 27.9 | 3.5 | | 8.4 | | 40.5 | 52.3 | K | *2.0 | | 57.9 | 35.0 | *Kb* | 9.2 | 46 | 8.8 | 36.8 | K | 8.8 | | 6.3 | 4.4 | *Kb* |
| 9.5 | | 33.4 | 58.8 | B | 9.0 | | 45.0 | 10.1 | K | *9.3 | 12 | 9.7 | 8.7 | | 9.3 | 47 | 11.3 | 14.2 | | 9.3 | | 13.8 | 43.0 | |
| 9.5 | | 36.4 | 31.1 | | 9.4 | 50 | 4.9 | 2.2 | | 9.5 | | 48.7 | 47.2 | | 9.1 | | 13.1 | 43.5 | K | 9.4 | 14 | 3.3 | 15.5 | |
| 9.5 | | 39.6 | 5.5 | | 9.3 | | 16.1 | 37.3 | | 8.5 | | 52.2 | 15.3 | K | 9.5 | | 52.4 | 30.4 | | 9.3 | | 6.3 | 7.2 | |
| 6.5 | | 45.4 | 57.1 | K | 9.5 | | 52.2 | 3.8 | | 9.5 | 13 | 14.5 | 58.5 | | 9.0 | | 53.1 | 47.3 | K | 9.0 | | 16.9 | 15.5 | *Kb* |
| 9.5 | 31 | 20.9 | 57.2 | | 9.5 | 51 | 10.0 | 35.9 | | 9.5 | | 48.6 | 50.9 | | 8.6 | 48 | 20.8 | 29.9 | B | 9.5 | | 58.3 | 56.6 | |
| 9.4 | | 24.9 | 19.0 | | 9.5 | | 43.0 | 43.4 | | 9.5 | | 57.0 | 37.3 | | 9.0 | | 28.3 | 49.3 | K | 9.2 | 15 | 20.4 | 55.5 | |
| 9.5 | | 40.4 | 55.2 | B | 9.5 | | 55.9 | 48.6 | | 9.0 | | 58.3 | 31.8 | K | 9.5 | | 48.2 | 15.7 | B | 9.1 | | 40.7 | 43.4 | K |
| 9.5 | | 44.6 | 0.9 | | 9.0 | 52 | 51.0 | 39.3 | K | 9.0 | | 59.0 | 47.3 | K | 9.5 | | 51.5 | 58.8 | | 9.2 | | 44.8 | 16.3 | |
| 9.3 | 32 | 17.0 | 14.9 | *b* | 9.1 | | 56.4 | 33.5 | K | 9.5 | 15 | 22.7 | 30.8 | | 9.5 | 49 | 2.3 | 9.0 | | 9.5 | 16 | 32.2 | 32.5 | |
| 9.5 | | 36.8 | 28.6 | | 9.1 | 53 | 24.5 | 2.9 | K | 9.4 | | 24.0 | 26.0 | | 9.5 | 50 | 27.3 | 22.1 | | 9.4 | | 51.3 | 38.3 | |
| 9.5 | 33 | 18.2 | 13.9 | | 8.9 | | 41.7 | 11.8 | K | 9.5 | | 44.0 | 2.1 | | 6.8 | | 53.2 | 24.5 | K | 9.1 | | 57.3 | 23.8 | |
| 9.5 | | 18.7 | 8.0 | | 9.5 | | 59.7 | 4.7 | B | 9.5 | | 45.9 | 11.1 | | 9.5 | 51 | 24.5 | 32.4 | | 8.7 | 17 | 4.6 | 26.9 | K |
| 9.5 | | 20.6 | 2.0 | | 9.5 | 54 | 7.4 | 15.3 | | 9.5 | | 50.3 | 20.8 | | 9.0 | 52 | 4.8 | 32.1 | | 8.2 | | 36.0 | 16.8 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *33.88* | *2.59* | | *10pr.* | | *33.50* | *2.78* | | *10pr.* | | *33.12* | *2.92* | | *10pr.* | | *32.59* | *3.10* | | *10pr.* | | *31.91* | *3.25* | |

| *2467 α* | | | | |
|---|---|---|---|---|
| *9.5* | *12* | *9.3* | *1.8* | *B* |

| *2519 α* | | | | |
|---|---|---|---|---|
| *9.6* | *40* | *21.7* | *5.9* | *B* |

2

| m | 2601—2660 11ᵐ | +20° | | m | 2661—2720 11ᵐ—12ᵐ | +20° | | m | 2721—2780 12ᵐ | +20° | | m | 2781—2840 12ᵐ—13ᵐ | +20° | | m | 2841—2900 13ᵐ | +20° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ | ′ | |
| 8.2 | 18 5.3 | 48.0 | K | 7.8 | 50 6.2 | 47.7 | K | 9.2 | 19 59.8 | 53.3 | | 9.0 | 51 46.4 | 21.0 | R | 9.5 | 24 18.6 | 19.0 | B |
| 9.5 | 18.1 | 22.7 | | 9.0 | 51 57.7 | 21.9 | B | 9.0 | 20 16.6 | 9.4 | | 9.5 | 52 13.5 | 46.8 | | 9.5 | 34 4 | 16.4 | B |
| 9.4 | 19 29.8 | 30.3 | | 9.5 | 52 34.0 | 1.6 | | 9.5 | 57.9 | 24.6 | | 9.5 | 19.1 | 32.0 | | 9.0 | 54.2 | 27.7 | |
| 9.5 | 20 7.5 | 16.9 | B | 6.9 | 40.6 | 13.9 | L | 9.4 | 21 9.7 | 52.7 | | 8.3 | 53 21.9 | 26.3 | K | 9.3 | 26 17.9 | 59.8 | |
| 9.5 | 14.3 | 18.4 | | 9.3 | 53 31.2 | 43.4 | | 8.0 | 29.0 | 45.4 | K | 9.5 | 55 2.4 | 47.8 | | 9.5 | 52.0 | 23.5 | |
| 9.5 | 16.0 | 13.9 | | 9.3 | 54 24.9 | 42.5 | | 9.2 | 29.6 | 1.9 | | 9.1 | 55.0 | 42 3 | K | 9.1 | 28 3.4 | 9.2 | b |
| 7.5 | 37.1 | 52.9 | K | 9.1 | 26.9 | 31.9 | K | 8.7 | 22 7.0 | 6.2 | K | 9.5 | 56 54.9 | 12.8 | | 9.5 | 59.7 | 22.5 | |
| 8.8 | 21 19.0 | 44.5 | Kb | 9.2 | 50.7 | 13.8 | B | 8.7 | 50.6 | 9.4 | K | 9.1 | 57 5.7 | 11.1 | K | 8.5 | 29 22.5 | 45.1 | K |
| 9.5 | 48.0 | 47.0 | B | 9.4 | 53.6 | 22.8 | | 9.4 | 23 35.4 | 42.3 | | 9.2 | 10.8 | 56.9 | K | 9.0 | 30 4.8 | 35.0 | |
| 9.3 | 22 25.3 | 20.4 | K | 8.6 | 57.5 | 5.5 | K | 8.5 | 25 1.5 | 48.1 | K | 9.4 | 24.4 | 25.2 | | 9.4 | 44.2 | 37.1 | |
| 9.5 | 33.4 | 56.0 | | 9.0 | 55 0.0 | 55.8 | K | 9.4 | 53.1 | 3.6 | | 9.1 | 30.0 | 8.2 | | 9.4 | 31 6.7 | 37.5 | B |
| 9.2 | 53.1 | 37.7 | K | 9.3 | 47.2 | 27.5 | | 9.5 | 26 9.2 | 26.1 | | 9.3 | 59 0.3 | 52.9 | | 9.3 | 28.5 | 57.5 | |
| 9.4 | 23 27.5 | 16.4 | | 9.3 | 59.7 | 49.6 | | 9.1 | 20.6 | 54.6 | K | 9.5 | 29.4 | 45.8 | | 9.5 | 40.2 | 20.4 | |
| 9.5 | 59.5 | 15.8 | | 9.4 | 56 0.7 | 42.6 | B | 9.5 | 58.3 | 6.5 | | 9.5 | 45.0 | 14.8 | | 9.2 | 46.0 | 10.8 | |
| 9.5 | 24 54.4 | 52.1 | | 9.2 | 18.9 | 13.3 | | 9.0 | 27 6.6 | 3.0 | | 9.5 | 0 18.6 | 0.8 | | 9.5 | 52.7 | 59.3 | |
| 8.4 | 25 28.4 | 20.3 | Lb | 8.3 | 24.6 | 11.8 | R | 8.9 | 6.7 | 24.0 | | 8.0 | 49.9 | 42.3 | Kb | 9.5 | 32 21.2 | 7.3 | |
| 9.3 | 36.1 | 18.8 | B | 9.5 | 30.5 | 11.3 | | 8.5 | 22.6 | 12.9 | | 9.0 | 51.6 | 27.4 | | 9.3 | 32.8 | 36.5 | |
| 7.5 | 57.0 | 29.6 | L | 8.8 | 57 44.3 | 21.8 | K | 9.4 | 35.9 | 34.7 | | 8.9 | 1 10.2 | 53.8 | K | 5.5 | 33 44.7 | 41.3 | Kb |
| 8.8 | 26 9.0 | 21.0 | | 9.0 | 47.0 | 27.0 | K | 9.4 | 28 11.8 | 28.5 | | 8.9 | 53.1 | 49.9 | K | 7.5 | 45.5 | 44.9 | B |
| 9.3 | 27 9.8 | 54.7 | K | 9.3 | 58 30.0 | 15.2 | | 9.0 | 29 22.5 | 25.9 | | 9.1 | 59.7 | 22.6 | Bb | 9.5 | 34 7.5 | 19.6 | |
| 8.8 | 32.1 | 23.7 | | 9.5 | 59 21.3 | 22.9 | | 9.2 | 26.9 | 14.3 | Bb | 9.5 | 2 22.6 | 4.3 | | 9.1 | 27.7 | 27.6 | K |
| 8.6 | 28 15.7 | 54.8 | K | 9.3 | 42.9 | 24.0 | | 9.5 | 34.4 | 58.0 | B | 7.8 | 38.0 | 54.4 | B | 9.5 | 40.4 | 36.0 | |
| 9.2 | 18.8 | 56.7 | | 7.8 | 58.9 | 10.1 | Kb | 9.3 | 41.1 | 17.0 | B | 9.3 | 59.3 | 13.1 | | 9.3 | 45.5 | 27.1 | |
| 9.5 | 28.9 | 10.0 | | 9.5 | 0 0.9 | 52.4 | | 9.3 | 55.4 | 56.8 | K | 9.5 | 4 8.9 | 55.2 | | 9.1 | 36 18.7 | 41.7 | Bb |
| 9.3 | 29 16.6 | 14.3 | B | 9.4 | 27.6 | 27.0 | B | 9.5 | 30 13.3 | 25.3 | | 9.0 | 22.6 | 36.7 | K | 8.3 | 26.4 | 56.9 | K |
| 9.0 | 18.8 | 21.3 | | 8.8 | 34.6 | 19.1 | K | 8.8 | 15.6 | 46.8 | | 8.3 | 30.5 | 35.3 | K | 9.5 | 43.5 | 28.1 | |
| 9.2 | 30 8.0 | 50.4 | Kb | 9.4 | 1 41.7 | 24.0 | | 9.4 | 31 39.1 | 55.6 | | 9.5 | 32.9 | 19.4 | | 9.5 | 38 32.0 | 19.5 | |
| 8.5 | 25.6 | 7.9 | | 9.4 | 2 19.1 | 16.8 | Bb | 8.3 | 32 8.0 | 49.8 | B | 9.2 | 5 17.4 | 36.7 | B | 9.5 | 33.1 | 26.1 | |
| 8.8 | 26.6 | 28.3 | | 8.9 | 52.0 | 56.7 | K | 9.5 | 9.9 | 5.5 | | 7.5 | 49.9 | 41.6 | K | 9.5 | 39 1.4 | 46.7 | |
| 9.3 | 32.1 | 57.6 | B | 9.4 | 57.1 | 18.6 | | 9.5 | 19.5 | 10.6 | | 9.0 | 56.9 | 34.7 | | 9.1 | 40 6.4 | 11.6 | |
| 8.0 | 55.5 | 54.6 | K | 9.4 | 3 34.7 | 4.4 | | 8.6 | 21.8 | 43.7 | | 9.4 | 6 41.5 | 29.6 | B | 8.8 | 22.8 | 51.9 | K |
| 8.7 | 31 35.7 | 16.8 | K | 9.4 | 43.2 | 24.3 | | 9.0 | 40.9 | 23.0 | | 9.4 | 8 31.2 | 54.8 | | 8.4 | 44.6 | 1.9 | R |
| 9.5 | 32 4.1 | 13.7 | | 7.5 | 5 2.6 | 37.7 | R | 8.5 | 33 11.8 | 33.5 | K | 8.5 | 9 27.5 | 52.0 | K | 9.5 | 41 28.5 | 19.2 | |
| 9.5 | 18.7 | 0.5 | | 9.4 | 11.1 | 6.2 | | 9.3 | 34 21.9 | 14.8 | B | 6.8 | 30.3 | 33.0 | L | 9.1 | 42 18.0 | 54.5 | |
| 9.5 | 34.6 | 38.7 | B | 9.2 | 6 2.3 | 9.9 | b | 8.5 | 22.3 | 39.9 | K | 8.0 | 42.9 | 35.4 | P | 9.0 | 30.6 | 40.7 | |
| 9.0 | 39.9 | 55.5 | Kb | 9.3 | 48.2 | 15.7 | | 9.5 | 35 30.2 | 2.5 | aB | 8.3 | 10 0.4 | 3.9 | B | 8.0 | 39.8 | 5.1 | K |
| 9.0 | 40.8 | 20.0 | | 9.3 | 48.6 | 22.9 | | 9.5 | 37 51.1 | 32.4 | | 9.5 | 27.4 | 26.0 | | 8.8 | 42.8 | 59.7 | |
| 9.5 | 33 21.5 | 55.8 | | 8.7 | 7 32.3 | 2.8 | | 9.5 | 38 46.0 | 21.5 | | 9.5 | 45.5 | 48.3 | | 8.2 | 56.0 | 4.6 | Kb |
| 9.3 | 35.0 | 4.5 | | 8.6 | 32.8 | 35.4 | | 9.0 | 39 41.2 | 25.4 | | 9.4 | 55.8 | 7.5 | B | 9.1 | 43 9.4 | 9.5 | |
| 9.0 | 34 0.8 | 33.8 | | 9.4 | 8 10.1 | 13.6 | | 9.0 | 42.1 | 12.5 | | 9.3 | 12 16.1 | 8.7 | | 9.4 | 28.0 | 36.6 | |
| 8.5 | 2.7 | 19.9 | Kb | 9.5 | 34.6 | 43.5 | B | 7.5 | 41 5.6 | 6.7 | Pb | 9.0 | 28.8 | 45.4 | B | 9.3 | 33.2 | 32.0 | |
| 9.5 | 36 8.4 | 4.2 | | 9.4 | 10 5.7 | 38.5 | | 9.2 | 45.9 | 59.5 | | 9.3 | 29.6 | 1.4 | | 9.0 | 56.5 | 53.5 | |
| 9.5 | 41.2 | 48.0 | | 8.8 | 11 28.1 | 47.5 | K | 8.7 | 47.9 | 29.5 | K | 9.5 | 54.0 | 9.2 | | 9.5 | 44 5.9 | 55.6 | |
| 8.0 | 37 31.9 | 18.7 | K | 9.5 | 59.6 | 12.2 | B | 9.0 | 52.3 | 28.4 | K | 9.0 | 13 25.3 | 27.0 | | 9.3 | 6.1 | 43.4 | |
| 7.5 | 50.7 | 43.1 | K | 9.4 | 12 24.5 | 11.9 | B | 9.2 | 42 8.1 | 18 8 | | 9.5 | 34.2 | 53.6 | | 9.0 | 44.5 | 53.5 | Kb |
| 9.4 | 38 43.2 | 57.2 | B | 9.5 | 33.6 | 28.8 | | 9.3 | 56.2 | 39.7 | B | 9.5 | 43.8 | 36.0 | | 9.4 | 52.5 | 8.1 | |
| 9.0 | 39 12.6 | 44.5 | | 9.5 | 13 4.0 | 57.7 | | 9.5 | 44 26.8 | 34.0 | | 9.5 | 14 24.1 | 0.0 | | 9.3 | 56.5 | 54.4 | |
| 7.5 | 42.9 | 7.0 | Kb | 8.4 | 18.6 | 53.1 | K | 8.3 | 34.6 | 2.0 | Kb | 9.0 | 40.3 | 28.1 | | 9.2 | 45 33.1 | 56.0 | |
| 9.5 | 54.2 | 35.9 | | 9.1 | 35.3 | 8.0 | b | 8.3 | 50.7 | 57.0 | K | 9.5 | 15 14.2 | 26.4 | | 9.3 | 46 12.6 | 24.7 | |
| 7.8 | 58.8 | 49.8 | K | 9.4 | 45.3 | 54.1 | B | 9.2 | 45 35.6 | 46.1 | K | 9.0 | 16 4.5 | 1.9 | K | 9.2 | 20.5 | 53.0 | |
| 9.0 | 40 0.1 | 51.5 | K | 9.3 | 14 9.0 | 42.6 | | 7.8 | 55.8 | 25.0 | K | 9.0 | 51.7 | 53.8 | K | 9.5 | 51.5 | 52.9 | |
| 9.0 | 56.6 | 10.5 | | 9.3 | 22.7 | 38.1 | B | 6.5 | 46 23.9 | 17.0 | K | 9.5 | 17 18.8 | 54.5 | | 9 5 | 53.8 | 30.7 | |
| 9.3 | 41 14.6 | 23.6 | | 8.0 | 15 23.6 | 57.4 | K | 7.0 | 47 56.9 | 24.9 | K | 9.4 | 52.1 | 48.1 | | 9.0 | 47 1.7 | 13.1 | K |
| 9.0 | 53.9 | 36.5 | | 9.5 | 46.0 | 6.8 | | 8.8 | 48 8.8 | 53.2 | | 9.5 | 18 33.6 | 39.9 | | 9.0 | 17.5 | 52.8 | |
| 9.4 | 43 37.6 | 33.6 | Bb | 8.0 | 16 2.0 | 28.1 | K | 8.7 | 10.4 | 33.4 | K | 8.8 | 20 29.0 | 48.3 | K | 9.2 | 53.6 | 50.9 | K |
| 9.5 | 46 0.2 | 23 0 | | 9.5 | 7.6 | 58.1 | | 8.5 | 20.5 | 44.1 | K | 9.5 | 21 26.2 | 34.8 | | 9.5 | 48 17.9 | 29.6 | |
| 9.5 | 50.5 | 2.3 | oB | 9.3 | 14.8 | 11.1 | | 9.5 | 35.0 | 16.3 | | 7.8 | 56.0 | 32.6 | K | 8.3 | 29.5 | 5.9 | K |
| 8.2 | 47 9.3 | 12.6 | K | 9.2 | 17 1.0 | 6.7 | | 9.4 | 58.3 | 58.1 | B | 9.0 | 22 47.5 | 56.6 | K | 9.3 | 47.3 | 38.0 | |
| 8.2 | 12.7 | 13.9 | K | 9.5 | 52.6 | 45.8 | B | 8.6 | 49 13.4 | 54.1 | K | 9.2 | 23 7.4 | 4.4 | b | 9.5 | 49 13.9 | 12.5 | |
| 9.3 | 48 2.4 | 51.3 | | 9.3 | 18 36.2 | 32.0 | b | 9.5 | 50 7.0 | 14.3 | | 9.5 | 14.6 | 6.5 | | 9.3 | 42.9 | 54.2 | b |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 31.36 | 3.31 | | 10pr. | 30.65 | 3.34 | | 10pr. | 30.01 | 3.31 | | 10pr. | 29.30 | 3.20 | | 10pr. | 28.61 | 3.03 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13ᵘ—14ᵘ | | +20° | | | 14ᵘ | | +20° | | | 14ᵘ—15ᵘ | | +20° | | | 15ᵘ | | +20° | | | 15ᵘ | | +20° | |
| m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ |
| 9.2 | 50 | 23.0 | | 4.8 | 9.1 | 12 | 48.5 | | 13.1 | K | 9.3 | 39 | 24.8 | | 11.4 | | 9.3 | 6 | 22.0 | | 26.5 | | 9.3 | 36 | 55.9 | | 6.3 | Kb |
| 9.5 | | 33.8 | | 48.3 | 8.7 | 13 | 0.8 | | 10.1 | Kb | 9.5 | | 28.0 | | 59.6 | | 8.3 | | 24.9 | | 51.9 | K | 9.5 | 37 | 52.4 | | 2.6 | |
| 9.5 | 51 | 10.7 | | 48.2 | 9.3 | | 22.9 | | 22.2 | | 9.5 | 40 | 16.3 | | 4.7 | | 8.8 | 7 | 45.4 | | 30.4 | K | 9.0 | 39 | 0.3 | | 36.7 | K |
| 8.9 | | 14.5 | | 9.5 | 9.5 | | 47.0 | | 50.9 | | 7.5 | | 20.0 | | 24.6 | B | 9.4 | | 57.2 | | 16.7 | B | 9.0 | | 26.5 | | 2.6 | K |
| 9.0 | | 39.0 | | 19.1 | 9.4 | | 49.1 | | 16.3 | | 8.0 | 42 | 27.5 | | 18.0 | K | 9.3 | 8 | 12.0 | | 22.7 | | 7.8 | | 59.0 | | 22.5 | K |
| 9.5 | | 55.5 | | 8.0 | 7.5 | 14 | 16.6 | | 25.2 | L | 6.9 | | 50.0 | | 7.2 | Kb | 9.5 | 9 | 24.6 | | 58.7 | | 9.3 | 40 | 12.4 | | 18.7 | |
| 8.4 | 52 | 56.1 | | 35.5 | K | 9.4 | | 50.4 | | 18.6 | | 9.5 | | 56.6 | | 27.6 | | 9.5 | | 49.3 | | 40.1 | | 9.5 | 41 | 5.1 | | 12.5 | |
| 9.3 | 53 | 39.0 | | 53.6 | | 8.4 | | 56.7 | | 2.1 | K | 9.0 | 43 | 11.4 | | 14.8 | K | 8.6 | 10 | 26.1 | | 10.9 | K | 9.2 | | 6.0 | | 57.6 | |
| 9.5 | | 56.4 | | 2.0 | | 9.3 | 15 | 13.7 | | 23.7 | Kb | 9.5 | 44 | 32.2 | | 34.8 | | 9.4 | | 29.4 | | 42.1 | | 9.4 | | 6.9 | | 30.3 | B |
| 9.0 | 54 | 3.1 | | 51.1 | K | *var* | | 16.5 | | 28.3 | K | 9.5 | | 39.4 | | 18.6 | B | 9.1 | 11 | 49.5 | | 31.4 | *b* | 9.5 | | 18.6 | | 53.2 | |
| 8.7 | 55 | 6.8 | | 8.0 | Sb | 9.5 | | 21.2 | | 49.9 | | 9.5 | 45 | 8.7 | | 25.2 | | 9.4 | | 51.0 | | 48.4 | | 9.5 | | 29.7 | | 5.2 | |
| 9.5 | | 26.0 | | 11.5 | | 9.4 | | 23.2 | | 55.4 | | 7.3 | | 31.2 | | 53.6 | K | 9.4 | | 57.7 | | 26.1 | | 9.5 | | 56.1 | | 6.2 | |
| 9.0 | | 44.4 | | 29.2 | | 9.5 | 16 | 55.6 | | 48.7 | | 9.5 | | 44.3 | | 2.7 | | 9.5 | | 59.5 | | 45.9 | | 9.3 | 43 | 18.2 | | 20.1 | |
| 8.8 | 56 | 34.1 | | 34.5 | | 9.5 | 17 | 27.4 | | 20.4 | | 8.8 | 46 | 45.9 | | 19.3 | | 9.5 | 13 | 3.2 | | 40.3 | | 8.0 | | 33.1 | | 8.7 | K |
| 9.3 | 57 | 1.8 | | 23.0 | | 8.1 | 18 | 14.6 | | 10.0 | Kb | 9.5 | | 50.5 | | 16.6 | | 9.4 | | 51.4 | | 59.4 | | 7.7 | 44 | 6.4 | | 47.7 | K |
| 9.2 | | 45.9 | | 5.5 | | 9.5 | | 43.9 | | 6.9 | | 7.5 | | 55.5 | | 29.0 | K | 9.3 | 14 | 31.1 | | 52.4 | | 9.5 | | 28.8 | | 18.0 | |
| 9.5 | 58 | 22.6 | | 25.4 | | 8.7 | 19 | 36.7 | | 2.0 | B | 9.5 | 47 | 31.4 | | 7.0 | | 9.5 | | 42.1 | | 3.5 | | 9.5 | | 48.1 | | 20.8 | |
| 9.1 | | 41.6 | | 6.7 | *b* | 9.0 | | 43.5 | | 21.9 | | 9.5 | 48 | 19.0 | | 20.3 | | 9.4 | 15 | 14.9 | | 41.8 | | 9.2 | | 58.2 | | 6.3 | |
| 8.6 | 59 | 0.9 | | 38.5 | B | 9.5 | 21 | 56.6 | | 58.2 | | 9.5 | 49 | 12.4 | | 43.8 | | 9.5 | | 29.9 | | 30.4 | | 8.7 | 45 | 38.4 | | 41.2 | B |
| 8.5 | | 57.3 | | 47.7 | K | 9.5 | 22 | 1.1 | | 8.8 | | 9.5 | | 17.5 | | 51.8 | | 8.2 | 16 | 6.0 | | 55.5 | K | 9.5 | | 57.2 | | 10.5 | |
| 9.0 | 0 | 15.5 | | 52.9 | K | 9.0 | 23 | 9.7 | | 13.4 | K | 9.1 | | 26.1 | | 16.6 | *a* | 9.3 | | 56.6 | | 24.5 | Kb | 9.5 | 46 | 6.6 | | 25.7 | |
| 8.8 | | 35.1 | | 17.4 | | 9.5 | | 10.6 | | 25.6 | | 9.2 | | 41.6 | | 48.0 | | 9.5 | 17 | 57.2 | | 48.3 | | 9.1 | | 27.1 | | 26.7 | *b* |
| 9.5 | | 38.9 | | 50.1 | | 9.2 | | 36.8 | | 3.6 | K | 9.0 | 50 | 9.6 | | 16.2 | K | 9.1 | 18 | 5.8 | | 27.2 | K | 8.9 | | 28.7 | | 49.0 | |
| 8.8 | | 42.0 | | 36.2 | | 9.2 | 24 | 17.0 | | 17.9 | | 9.5 | | 31.5 | | 26.6 | | 9.0 | | 6.0 | | 16.9 | K | 9.4 | 47 | 32.2 | | 2.6 | |
| 9.5 | | 47.1 | | 5.4 | | 9.5 | 26 | 4.7 | | 5.2 | | 9.5 | | 43.6 | | 24.8 | | 9.5 | | 15.1 | | 59.4 | | 9.4 | 48 | 1.1 | | 30.4 | |
| 9.5 | | 59.4 | | 51.8 | | 9.2 | | 11.2 | | 47.1 | K | 9.5 | 51 | 29.6 | | 53.9 | | 9.0 | | 52.8 | | 45.6 | K | 8.2 | | 13.5 | | 45.2 | K |
| 9.5 | 1 | 1.3 | | 40.4 | | 9.5 | 27 | 28.0 | | 37.6 | | 9.5 | 52 | 0.0 | | 42.1 | | 8.9 | | 59.0 | | 19.3 | K | 8.5 | 49 | 37.0 | | 37.0 | K |
| 9.0 | | 19.8 | | 49.7 | | 9.1 | | 31.8 | | 51.8 | K | 9.5 | | 0.5 | | 9.6 | | 9.5 | 19 | 20.2 | | 14.3 | | 8.2 | | 59.3 | | 50.9 | K |
| 9.5 | | 20.7 | | 33.2 | | 9.5 | 28 | 10.6 | | 27.5 | | 9.5 | | 28.4 | | 7.9 | | 8.8 | 20 | 32.6 | | 34.2 | | 8.8 | 50 | 4.6 | | 57.7 | K |
| 9.0 | | 32.8 | | 1.5 | K | 9.5 | | 40.4 | | 41.8 | | 9.5 | | 46.1 | | 14.8 | | 9.5 | | 58.1 | | 22.9 | | 9.5 | | 29.2 | | 12.9 | |
| 9.2 | | 48.0 | | 54.8 | | 9.5 | 29 | 21.0 | | 28.7 | | 8.3 | | 53.0 | | 56.8 | Kb | 8.7 | 21 | 0.7 | | 58.8 | Kb | 9.4 | | 32.9 | | 5.8 | |
| 8.3 | 2 | 5.3 | | 9.4 | K | 9.1 | | 32.6 | | 2.9 | Kb | 9.4 | 56 | 44.4 | | 41.4 | | 8.7 | | 44.1 | | 34.2 | K | 8.2 | | 34.0 | | 27.4 | K |
| 8.2 | | 58.1 | | 25.0 | K | 9.2 | | 59.9 | | 51.5 | K | 9.0 | | 50.4 | | 48.6 | K | 9.0 | 22 | 49.0 | | 54.3 | | 9.2 | | 55.6 | | 45.6 | K |
| 8.3 | 3 | 23.2 | | 2.7 | Kb | 9.3 | 30 | 4.2 | | 18.3 | B | 9.1 | 57 | 10.5 | | 39.8 | K | 9.5 | 23 | 5.3 | | 7.3 | B | 9.0 | 51 | 34.9 | | 28.0 | Kb |
| 9.5 | | 31.0 | | 44.0 | | 9.5 | | 6.6 | | 36.3 | | 9.5 | | 10.9 | | 12.0 | | 8.5 | | 49.8 | | 9.6 | K | 9.5 | 52 | 21.0 | | 17.8 | |
| 9.4 | | 40.4 | | 27.5 | | 8.5 | | 44.0 | | 26.2 | L | 7.5 | | 53.7 | | 25.5 | K | 9.5 | 24 | 17.1 | | 44.3 | | 9.5 | | 25.8 | | 20.8 | B |
| 9.5 | | 47.2 | | 52.7 | | 8.2 | | 46.9 | | 29.0 | K | 8.0 | 59 | 7.3 | | 57.2 | K | 7.3 | 25 | 16.6 | | 53.3 | K | 8.8 | | 27.0 | | 57.2 | K |
| 9.5 | | 51.0 | | 2.6 | | 8.7 | | 51.0 | | 2.0 | | 9.4 | | 16.1 | | 38.0 | | 7.5 | 26 | 18.8 | | 13.2 | K | 9.5 | | 27.6 | | 7.2 | |
| 9.2 | 4 | 50.1 | | 51.3 | | 9.5 | 31 | 33.9 | | 46.0 | | 9.0 | | 22.7 | | 45.2 | K | 8.7 | 27 | 12.6 | | 28.9 | K | 9.3 | 53 | 1.1 | | 40.1 | |
| 9.0 | 5 | 0.7 | | 59.9 | | 8.2 | | 47.4 | | 29.0 | L | 9.5 | | 43.1 | | 10.8 | | 9.3 | | 18.1 | | 58.9 | | 8.9 | | 36.4 | | 35.3 | Kb |
| 9.0 | | 18.4 | | 2.9 | Rb | 9.4 | | 51.5 | | 48.9 | B | 9.4 | 0 | 8.5 | | 8.7 | | 8.2 | 28 | 24.6 | | 15.5 | K | 9.3 | | 44.0 | | 19.8 | |
| 8.5 | | 23.9 | | 29.2 | K | 9.5 | 32 | 35.0 | | 20.0 | | 9.5 | | 8.9 | | 48.6 | | 9.5 | | 47.4 | | 41.8 | | 9.5 | 54 | 22.6 | | 24.3 | |
| 9.1 | 6 | 4.6 | | 44.2 | | 9.5 | | 47.4 | | 5.6 | | 8.8 | | 27.5 | | 54.4 | K | 9.4 | | 52.3 | | 52.4 | | 9.5 | | 43.1 | | 40.5 | |
| 8.5 | 7 | 0.6 | | 42.5 | L | 9.3 | | 49.5 | | 3.4 | aB | 8.5 | | 44.3 | | 25.2 | K | 9.5 | | 53.5 | | 48.4 | B | 9.5 | 55 | 16.6 | | 36.0 | |
| 8.0 | | 9.7 | | 15.0 | R | 9.2 | 33 | 3.5 | | 18.3 | K | 9.4 | | 56.2 | | 54.2 | | 9.5 | 29 | 16.6 | | 47.0 | | 9.2 | | 23.1 | | 25.0 | |
| 9.5 | | 27.4 | | 38.6 | | 9.0 | | 17.9 | | 11.6 | K | 9.5 | 1 | 18.3 | | 13.1 | | 9.4 | 30 | 1.2 | | 9.8 | K | 9.1 | | 23.9 | | 13.5 | |
| 9.5 | | 45.3 | | 55.4 | | 9.0 | | 51.3 | | 30.7 | | 9.3 | | 23.1 | | 27.3 | | 9.5 | | 39.4 | | 26.8 | | 9.5 | | 24.2 | | 43.5 | |
| 9.5 | 8 | 12.5 | | 19.6 | | 9.5 | 34 | 42.2 | | 23.0 | | 8.7 | | 43.2 | | 4.3 | K | 9.4 | 31 | 0.0 | | 14.2 | B | 9.4 | | 50.3 | | 26.7 | |
| 8.0 | | 17.6 | | 34.1 | K | 9.4 | 35 | 47.4 | | 7.1 | | 9.1 | | 51.7 | | 7.3 | Kb | 9.5 | | 10.4 | | 56.3 | | 9.0 | | 52.4 | | 30.7 | *B* |
| 9.5 | | 23.2 | | 33.4 | | 9.1 | | 56.1 | | 6.5 | *b* | 9.5 | 2 | 45.3 | | 10.3 | | 9.5 | | 42.9 | | 39.4 | | 9.0 | | 56.6 | | 56.9 | |
| 9.5 | | 26.4 | | 41.4 | | 9.5 | 36 | 20.4 | | 6.6 | | 9.5 | 3 | 3.1 | | 44.2 | | 9.5 | 32 | 0.1 | | 36.0 | | 8.0 | 56 | 1.9 | | 2.2 | K |
| 9.0 | 9 | 10.8 | | 14.0 | | 9.4 | | 41.5 | | 41.2 | | 9.2 | | 25.1 | | 58.5 | K | 9.2 | | 40.0 | | 48.9 | *b* | 9.1 | | 11.1 | | 14.9 | K |
| 9.5 | | 34.7 | | 18.9 | | 9.4 | | 45.0 | | 52.0 | | 9.5 | | 34.3 | | 24.3 | | 9.5 | 33 | 36.8 | | 17.7 | | 9.3 | | 21.7 | | 33.7 | |
| 7.0 | | 49.1 | | 48.0 | K | 9.4 | | 47.6 | | 40.7 | B | 9.5 | | 38.0 | | 20.0 | | 9.5 | | 54.6 | | 25.0 | | 8.7 | | 29.9 | | 10.6 | K |
| 9.5 | | 59.5 | | 10.3 | | 9.0 | | 56.8 | | 43.8 | K | 8.6 | 4 | 4.5 | | 54.6 | K | 9.5 | 34 | 12.1 | | 30.1 | | 8.5 | | 59.4 | | 36.6 | K |
| 9.5 | 11 | 40.2 | | 9.0 | | 9.5 | | 59.9 | | 31.0 | | 7.2 | 5 | 1.1 | | 36.6 | K | 8.9 | | 36.6 | | 47.7 | K | 9.5 | 57 | 25.9 | | 3.2 | |
| 8.3 | 12 | 2.8 | | 31.2 | | 9.5 | 37 | 29.0 | | 7.5 | | 9.4 | | 30.9 | | 18.6 | | 8.8 | 35 | 5.6 | | 34.6 | K | 8.5 | 58 | 5.1 | | 14.9 | K |
| 9.5 | | 11.5 | | 2.4 | | 9.3 | 38 | 18.6 | | 29.0 | | 9.5 | | 56.0 | | 21.4 | | 4.5 | | 7.8 | | 8.4 | K | 9.5 | | 16.5 | | 9.3 | |
| 9.5 | | 13.4 | | 42.5 | | 9.0 | | 29.7 | | 44.8 | K | 9.0 | | 59.6 | | 16.8 | B | 9.3 | | 13.3 | | 47.8 | B | 8.8 | | 18.6 | | 13.9 | K |
| 9.5 | | 15.3 | | 36.0 | | 8.5 | | 42.9 | | 46.6 | K | 8.8 | 6 | 17.9 | | 20.4 | | 8.0 | | 46.3 | | 39.4 | K | 9.5 | | 23.5 | | 55.8 | |
| | | + | | — | | | | + | | — | | | | + | | — | | | | + | | — | | | | + | | — | |
| *10pr.* | | 28.19 | | 2.88 | *10pr.* | | 27.70 | | | 2.66 | *10pr.* | | 27.30 | | | 2.43 | *10pr.* | | 26.88 | | | 2.14 | *10pr.* | | 26.49 | | | 1.79 |

| 3201—3260 | | | | 3261—3320 | | | | 3321—3380 | | | | 3381—3440 | | | | 3441—3500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵘ—16ᵘ | +20° | | | 16ᵘ | +20° | | | 16ᵘ | +20° | | | 16ᵘ—17ᵘ | +20° | | | 17ᵘ | +20° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 58 23.5 | 51.5 | | 9.3 | 17 56.7 | 17.0 | | 9.5 | 37 3.2 | 3.2 | | 9.2 | 55 54.9 | 6.2 | B | 9.5 | 12 19.3 | 45.2 | |
| 9.5 | 52.4 | 55.6 | | 9.3 | 18 10.0 | 41.9 | B | 9.4 | 14.4 | 26.3 | | 7.4 | 56 24.6 | 56.3 | L | 9.5 | 26.4 | 58.3 | |
| 8.8 | 59 26.9 | 11.0 | | 9.4 | 15.1 | 6.1 | | 7.3 | 14.7 | 59.8 | K | 9.4 | 57 17.6 | 35.0 | | 9.2 | 47.0 | 35.2 | |
| 8.7 | 30.6 | 40.5 | | 9.1 | 19 8.7 | 4.3 | | 8.3 | 19.4 | 58.1 | K | 9.5 | 17.9 | 40.8 | | 9.5 | 59.4 | 0.0 | |
| 8.6 | 38.1 | 43.9 | | 9.3 | 20 4.7 | 33.1 | | 8.3 | 30.6 | 7.1 | Kb | 9.4 | 20.4 | 20.9 | R | 9.4 | 13 12.3 | 21.1 | |
| 9.0 | 42.2 | 14.3 | | 9.5 | 41.0 | 27.4 | | 9.4 | 58.8 | 55.5 | | 8.6 | 33.1 | 1.3 | Kb | 9.2 | 26.4 | 26.3 | b |
| 8.6 | 44.4 | 6.3 | Lb | 9.0 | 55.3 | 31.1 | | 9.3 | 38 5.7 | 49.5 | B | 9.5 | 36.9 | 55.5 | | 8.3 | 33.2 | 49.0 | B |
| 9.4 | 52.6 | 28.5 | | 9.4 | 21 9.6 | 41.8 | a | 9.0 | 59.4 | 41.0 | | 9.3 | 37.8 | 40.8 | B | 9.5 | 54.3 | 48.2 | |
| 9.5 | 58.6 | 33.8 | | 9.2 | 22.6 | 40.8 | Kb | 9.3 | 40 0.2 | 15.1 | K | 8.2 | 58 2.2 | 15.2 | B | 9.2 | 14 8.9 | 25.5 | |
| 9.3 | 0 37.6 | 44.6 | | 9.5 | 43.1 | 19.1 | | *8.0 | 7.3 | 17.0 | K | 9.5 | 32.0 | 36.9 | B | 9.5 | 35.6 | 23.9 | |
| 8.7 | 1 4.7 | 59.3 | K | 9.5 | 22 0.7 | 10.8 | | 9.0 | 21.9 | 29.4 | B | 9.5 | 59 24.4 | 25.9 | | 9.2 | 35.6 | 13.6 | |
| 8.3 | 23.6 | 46.2 | K | 9.0 | 4.0 | 26.4 | | 7.7 | 41 30.1 | 28.0 | K | 9.3 | 27.8 | 57.8 | | 9.2 | 43.4 | 33.1 | |
| 9.5 | 45.6 | 14.2 | | 9.0 | 7.5 | 48.1 | | 8.6 | 53.8 | 25.6 | K | 8.8 | 49.9 | 8.2 | | 9.5 | 15 0.3 | 5.0 | |
| 9.5 | 46.9 | 28.0 | | 9.5 | 18.0 | 40.8 | | 9.4 | 42 1.0 | 1.9 | | 8.5 | 53.8 | 45.5 | K | 9.5 | 6.4 | 58.6 | |
| 9.5 | 2 1.8 | 52.7 | | 9.5 | 21.0 | 58.0 | | 9.0 | 8.1 | 29.9 | K | 9.5 | 56.2 | 12.8 | | 9.5 | 18.6 | 43.6 | |
| 9.0 | 21.6 | 48.4 | | 9.5 | 31.3 | 2.3 | B | 9.3 | 31.3 | 3.6 | | 8.5 | 0 5.9 | 24.9 | K | 8.8 | 19.6 | 17.4 | K |
| 8.8 | 48.8 | 19.8 | | 9.4 | 46.6 | 54.6 | | 9.5 | 43 11.6 | 0.8 | | 9.5 | 15.4 | 32.4 | | 8.3 | 33.9 | 36.0 | K |
| 9.2 | 3 9.4 | 56.4 | | 9.4 | 23 4.4 | 7.7 | B | 9.5 | 15.8 | 18.2 | | 9.0 | 30.9 | 25.2 | K | 9.5 | 34.4 | 50.7 | |
| 9.5 | 27.6 | 52.8 | | 9.5 | 28.2 | 24.9 | | 9.5 | 32.5 | 23.3 | | 9.5 | 46.3 | 35.2 | | 9.2 | 39.9 | 47.7 | |
| 9.5 | 54.1 | 23.9 | | 9.5 | 24 10.6 | 56.7 | | 9.0 | 39.7 | 18.8 | B | 9.5 | 50.8 | 40.7 | | 9.0 | 16 11.1 | 38.0 | K |
| 9.4 | 4 2.7 | 14.3 | B | 9.5 | 13.3 | 35.2 | | 9.5 | 45 26.9 | 28.0 | | 9.5 | 2 8.6 | 54.3 | B | 9.5 | 27.9 | 39.7 | |
| 9.5 | 41.8 | 39.6 | B | 9.1 | 14.0 | 27.5 | | 6.8 | 28.7 | 49.4 | K | 8.8 | 10.1 | 32.5 | K | 9.5 | 48.1 | 3.6 | |
| 9.3 | 44.1 | 6.7 | | 6.0 | 16.0 | 48.0 | B | 9.3 | 46 21.9 | 5.7 | Kb | 9.5 | 17.2 | 22.3 | | 9.2 | 17 2.9 | 36.6 | |
| 9.5 | 46.1 | 37.1 | | 8.6 | 21.2 | 14.2 | K | 9.5 | 47 52.6 | 2.3 | | 9.3 | 31.1 | 52.2 | | 9.0 | 9.1 | 13.2 | |
| 9.4 | 5 10.9 | 8.1 | | 9.5 | 32.5 | 32.9 | | 9.5 | 48 18.9 | 39.6 | | 9.4 | 41.6 | 19.3 | B | 9.1 | 20.4 | 12.2 | |
| 9.5 | 16.6 | 53.2 | | 9.5 | 25 0.9 | 27.8 | | 9.4 | 20.1 | 14.1 | | 9.5 | 51.2 | 47.7 | | 9.5 | 36.0 | 25.5 | |
| 9.0 | 6 42.1 | 23.6 | | 9.5 | 54.0 | 23.3 | | 8.8 | 52.8 | 44.1 | K | 9.4 | 3 11.4 | 55.7 | B | 9.5 | 45.1 | 2.0 | |
| 9.1 | 7 39.5 | 1.7 | b | 9.2 | 27 1.1 | 46.7 | K | 9.5 | 49 9.6 | 0.8 | | 9.5 | 19.6 | 2.6 | | 9.2 | 18 5.9 | 2.7 | Kb |
| 9.5 | 45.6 | 16.0 | | 9.5 | 24.8 | 43.8 | | 9.3 | 10.2 | 42.5 | K | 9.5 | 27.4 | 7.0 | | 9.1 | 16.9 | 4.6 | |
| 9.5 | 57.1 | 47.2 | | 9.5 | 31.7 | 51.5 | | 9.2 | 50 18.9 | 49.6 | | 9.4 | 45.2 | 12.9 | Rb | 9.5 | 28.6 | 9.7 | |
| 9.5 | 8 19.1 | 15.0 | | 9.5 | 53.5 | 30.2 | | 9.5 | 39.8 | 37.3 | | 8.8 | 4 4.6 | 25.9 | K | 8 3 | 59.6 | 3.4 | Kb |
| 9.5 | 50.9 | 57.7 | | 9.5 | 28 3.0 | 24.4 | | 9.3 | 42.5 | 26.0 | B | 9.5 | 25.9 | 45.6 | | 9.5 | 19 0.4 | 31.0 | |
| 9.0 | 9 10.6 | 6.3 | | 9.0 | 7.5 | 35.4 | K | 9.4 | 51 5.6 | 2.5 | | 9.4 | 34.9 | 9.0 | | 9.4 | 0.9 | 42.1 | |
| 8.2 | 43.2 | 51.1 | K | 9.4 | 29 41.2 | 1.2 | B | 9.4 | 7.1 | 22.7 | | 9.5 | 5 4.3 | 28.7 | | 8.8 | 7.2 | 9.3 | K |
| 9.4 | 10 17.8 | 1.5 | | 9.4 | 52.7 | 4.7 | | 9.1 | 8.4 | 7.4 | Kb | 9.5 | 30.4 | 29.4 | | 8.9 | 19.8 | 28.3 | K |
| 8.3 | 27.7 | 9.8 | Kb | 9.4 | 30 2.7 | 3.7 | | 9.5 | 9.1 | 25.5 | | 9.3 | 33.4 | 33.8 | | 9.5 | 41.6 | 17.3 | |
| 9.5 | 38.6 | 53.5 | | 9.3 | 4.6 | 49.5 | K | 9.5 | 9.4 | 27.5 | | 9.1 | 42.8 | 19.4 | L | 9.1 | 41.9 | 25.5 | |
| 9.3 | 11 11.6 | 2.5 | | 9.2 | 16.1 | 43.4 | K | 8.8 | 23.3 | 11.9 | K | 9.1 | 46.4 | 52.4 | K | 9.1 | 43.1 | 23.5 | |
| 9.5 | 48.8 | 21.2 | | 9.5 | 17.2 | 48.0 | | 9.4 | 34.6 | 26.5 | | 8.1 | 57.3 | 18.4 | K | 9.4 | 20 8.6 | 2.9 | |
| 8.1 | 55.4 | 38.5 | B | 9.5 | 57.1 | 48.0 | | 9.4 | 35.5 | 30.3 | B | 9.3 | 6 7.4 | 22.2 | | 9.0 | 33.3 | 21.4 | K |
| 9.5 | 12 17.7 | 57.0 | | 9.1 | 31 1.0 | 22.3 | b | 9.4 | 41.2 | 31.1 | | 9.3 | 7.9 | 13.3 | | 5.7 | 33.9 | 13.2 | K |
| 9.5 | 54.0 | 31.7 | B | 9.4 | 12.6 | 10.6 | | 9.0 | 50.3 | 53.5 | K | 8.8 | 22.5 | 59.2 | K | 9.5 | 21 17.8 | 17.3 | |
| 9.5 | 13 21.1 | 18.7 | | 9.5 | 46.5 | 35.7 | B | 7.7 | 52 8.4 | 22.5 | K | 9.4 | 37.1 | 48.6 | | 9.0 | 23.7 | 9.4 | |
| 7.9 | 24.4 | 10.5 | K | 9.5 | 52.0 | 48.4 | | 9.5 | 24.2 | 3.8 | | 9.5 | 41.8 | 1.6 | | 9.4 | 25.1 | 2.5 | |
| 9.3 | 58.6 | 14.3 | | 9.4 | 32 29.9 | 17.5 | B | 9.5 | 42.6 | 39.4 | | 8.8 | 7 2.1 | 14.3 | L | 8.7 | 39.6 | 57.0 | R |
| 9.5 | 14 18.0 | 17.2 | B | 8.5 | 34.0 | 46.3 | K | 9.4 | 43.4 | 18.7 | | 9.5 | 8.4 | 1.1 | | 9.5 | 22 0.9 | 25.3 | |
| 9.4 | 23.0 | 31.5 | | 9.5 | 44.3 | 25.2 | | 9.1 | 49.9 | 13.6 | | 8.5 | 14.3 | 43.2 | | 9.5 | 7.8 | 48.9 | |
| 9.4 | 26.9 | 53.1 | | 9.2 | 51.4 | 43.1 | K | 9.5 | 53 7.0 | 6.6 | | 9.2 | 8 0.4 | 42.8 | | 8.7 | 13.2 | 4.6 | Kb |
| *9.5 | 43.7 | 34.3 | B | 8.7 | 55.1 | 54.5 | K | 8.7 | 11.1 | 19.9 | K | 9.5 | 8.3 | 14.6 | | 9.3 | 27.9 | 9.4 | |
| *8.3 | 57.1 | 25.9 | K | 9.5 | 33 21.1 | 4.4 | | 8.8 | 25.6 | 3.4 | Kb | 9.5 | 12.4 | 13.3 | | 9.5 | 44.4 | 52.7 | |
| 9.5 | 15 56.1 | 42.2 | | 9.5 | 34 8.8 | 35.5 | | 9.3 | 35.9 | 42.8 | | 8.8 | 14.2 | 7.1 | K | 9.5 | 44.5 | 3.8 | |
| 9.4 | 16 31.7 | 10.5 | | 9.5 | 53.9 | 2.1 | | 9.5 | 43.1 | 13.9 | | 9.1 | 9 16.8 | 17.0 | R | 9.5 | 23 18.1 | 56.2 | |
| 9.3 | 17 3.7 | 15.0 | | 9.5 | 35 34.3 | 46.9 | | 9.4 | 58.4 | 10.0 | | 9.4 | 44.6 | 34.0 | B | 8.8 | 18.1 | 39.4 | |
| 9.5 | 5.6 | 29.7 | | 9.5 | 35.5 | 57.2 | | 9.2 | 54 6.3 | 1.6 | | 9.5 | 10 2.5 | 30.5 | | 9.5 | 24.0 | 7.9 | |
| 9.3 | 9.8 | 19.9 | B | 9.2 | 35.6 | 38.4 | | 9.5 | 12.4 | 44.6 | | 9.3 | 20.4 | 26.3 | K | 9.3 | 27.4 | 37.5 | |
| 9.4 | 20.2 | 13.8 | B | 8.7 | 39.9 | 14.3 | K | 9.3 | 17.9 | 14.9 | K | 9.3 | 24.7 | 0.1 | | 9.2 | 34.9 | 38.3 | |
| 9.0 | 33.1 | 54.6 | | 9.5 | 58.1 | 42.9 | | 8.5 | 25.5 | 37.8 | | 9.5 | 41.3 | 43.9 | | 9.5 | 44.4 | 49.2 | |
| 8.5 | 38.1 | 37.7 | K | 9.4 | 36 31.4 | 8.4 | | 9.5 | 48.6 | 10.2 | | 8.1 | 41.6 | 29.4 | K | 9 5 | 24 14.2 | 59.9 | |
| 8.2 | 38.6 | 45.3 | K | 8.8 | 36.6 | 48.6 | K | 9.5 | 55.6 | 11.7 | B | 8.1 | 11 24.4 | 36.2 | K | 9.5 | 35.2 | 57.2 | |
| 9.1 | 51.4 | 37.6 | B | 9.2 | 58.8 | 21.7 | K | 9.5 | 55 22.4 | 28.6 | | 9.5 | 59.6 | 57.3 | | 8.0 | 55.0 | 18.0 | L |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 26.31 | 1.56 | | 10pr. | 26.12 | 1.31 | | 10pr. | 25.95 | 1.00 | | 10pr. | 25.87 | 0.81 | | 10pr. | 25.80 | 0.60 | |

| 3249 a | | | |
|---|---|---|---|
| 9.7 | 14 54.1 | 4.1 | B |

| 3329 a | | | |
|---|---|---|---|
| 9.5 | 40 4.3 | 20.8 | |

| 3501—3560 | | | | | 3561—3620 | | | | | 3621—3680 | | | | | 3681—3740 | | | | | 3741—3800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ʰ | | +20° | | | 17ʰ | | +20° | | | 17ʰ—18ʰ | | +20° | | | 18ʰ | | +20° | | | 18ʰ | | +20° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.5 | 25 | 10.8 | 22.2 | | 9.4 | 39 | 25.1 | 56.9 | b | 8.7 | 52 | 35.7 | 27.0 | K | 9.0 | 4 | 7.9 | 18.1 | | 8.5 | 14 | 15.8 | 51.5 | K |
| 9.1 | | 14.1 | 8.2 | Kb | 9.5 | 40 | 4.9 | 50.3 | | 9.5 | | 56.6 | 4.0 | | 9.5 | | 16.6 | 53.2 | | 9.1 | | 31.7 | 50.4 | B |
| 9.3 | | 40.3 | 54.2 | | 9.3 | | 28.1 | 55.5 | | 9.5 | | 58.9 | 11.3 | | 9.4 | | 17.4 | 33.2 | | 9.5 | | 35.9 | 17.8 | |
| 9.1 | | 42.7 | 35.6 | K | 9.5 | | 54.9 | 53.3 | | 9.2 | 53 | 4.0 | 17.5 | B | 9.4 | | 31.2 | 40.7 | | 9.1 | | 54.3 | 0.8 | |
| 9.5 | | 49.9 | 13.9 | | 9.1 | 41 | 23.0 | 13.5 | | 9.2 | | 5.0 | 18.8 | | 8.5 | | 33.7 | 37.7 | B | 7.5 | | 55.3 | 52.2 | K |
| 9.2 | 26 | 1.4 | 34.6 | K | 9.1 | | 29.0 | 34.6 | | 8.5 | | 6.5 | 29.2 | K | 9.3 | | 43.0 | 57.2 | | 9.5 | | 57.4 | 14.6 | |
| 9.5 | | 22.3 | 18.0 | | 9.0 | | 44.7 | 26.4 | | 9.3 | | 13.3 | 53.5 | | 9.5 | | 47.4 | 0.4 | | 9.5 | 15 | 5.3 | 55.9 | |
| 9.1 | 27 | 10.1 | 25.3 | b | 9.1 | | 48.4 | 58.1 | R | 9.5 | | 15.1 | 10.0 | | 9.5 | | 56.9 | 47.9 | | 9.5 | | 7.0 | 26.3 | |
| 9.0 | | 12.6 | 42.5 | | 9.5 | 42 | 3.4 | 3.5 | | 9.3 | | 37.8 | 18.0 | | 9.5 | 5 | 5.6 | 48.6 | | 9.5 | | 9.6 | 10.8 | |
| 9.3 | | 22.9 | 55.8 | | 5.8 | | 11.5 | 37.0 | B | 9.5 | | 41.9 | 3.0 | | 9.1 | | 12.5 | 54.5 | K | 9.1 | | 23.5 | 26.4 | |
| 9.5 | | 25.2 | 3.6 | | 8.8 | | 14.7 | 57.3 | | 9.0 | | 47.3 | 59.4 | K | 9.5 | | 18.9 | 27.9 | | 9.4 | | 32.0 | 18.6 | |
| 9.5 | 28 | 3.1 | 22.2 | | 9.5 | | 25.6 | 56.2 | | 9.0 | | 49.8 | 54.8 | K | 9.3 | | 24.7 | 20.5 | K | 9.5 | | 45.5 | 9.2 | B |
| 9.5 | | 3.9 | 47.6 | | 9.4 | | 28.2 | 26.7 | B | 7.8 | | 55.3 | 45.9 | K | 9.5 | | 31.8 | 30 6 | B | 8.5 | | 46.1 | 35.7 | R |
| 9.1 | | 13.3 | 27.3 | | 9.0 | | 53.1 | 11.9 | B | 9.2 | 54 | 2.8 | 55.5 | | 9.5 | | 44.6 | 39.3 | | 9.3 | 16 | 8.7 | 42.8 | |
| 8.6 | | 28.7 | 7.2 | | 7.8 | | 58.0 | 13.9 | K | 9.0 | | 22.0 | 34.5 | | 9.5 | | 45.8 | 3.3 | | 9.3 | | 17.6 | 29.5 | |
| 9.5 | | 32.4 | 12.9 | | 9.5 | 43 | 6.7 | 57.7 | | 9.3 | 55 | 0.6 | 43.5 | | 9.3 | 6 | 16.0 | 43.5 | | 8.9 | | 36.4 | 12.5 | |
| 8.3 | | 49.1 | 14.2 | K | 9.5 | | 19.3 | 5.6 | | 8.2 | | 1.5 | 56.6 | K | 9.4 | | 17.1 | 5.1 | | 9.5 | | 42.3 | 7.6 | |
| 9.5 | | 49.8 | 51.3 | | 7.2 | | 23.2 | 41.3 | R | 9.3 | | 6.3 | 56.1 | B | 9.3 | | 36.5 | 56.8 | | 9.5 | | 42.8 | 9.6 | |
| 9.2 | 29 | 17.4 | 47.9 | | 7.5 | | 31.3 | 57.9 | L | 9.1 | | 19.0 | 14.8 | B | 8.6 | | 52.5 | 16.3 | Lb | 8.9 | | 43.1 | 15.4 | B |
| 9.4 | | 22.2 | 54.2 | | 7.3 | | 45.8 | 54.4 | L | 9.2 | | 29.6 | 36.7 | | 9.3 | 7 | 9.4 | 48.8 | B | 7.3 | | 45.8 | 53.5 | K |
| 9.5 | | 27.1 | 1.5 | B | 9.5 | | 46.9 | 2.8 | | 9.2 | | 35.6 | 20.6 | | 9.5 | | 10.2 | 39.6 | B | 9.5 | | 47.7 | 47.0 | |
| 9.5 | | 59.2 | 35.0 | | 9.0 | 44 | 3.7 | 30.8 | K | 7.8 | | 37.6 | 8.9 | B | 9.4 | | 12.3 | 18.7 | a | 9.5 | 17 | 1.9 | 7.5 | |
| 9.2 | 30 | 33.1 | 10.8 | | 9.3 | | 26.3 | 49.0 | | 9.5 | | 42.9 | 58.8 | | 8.4 | | 13.3 | 56.0 | | 9.5 | | 2.3 | 13.9 | |
| 9.1 | | 36.2 | 41.9 | | 9.3 | | 57.0 | 31.5 | | 9.1 | | 47.7 | 22.3 | | 9.2 | | 19.7 | 53.6 | | 9.5 | | 4.2 | 0.1 | B |
| 9.5 | | 38.3 | 6.8 | | 9.0 | 45 | 36.6 | 50.8 | R | 8.8 | | 54.2 | 31.7 | B | 7.4 | | 45 0 | 14.0 | L | 9.5 | | 16.6 | 12.7 | |
| 8.1 | | 40.7 | 0.5 | Kb | 8.5 | | 38.6 | 53.8 | R | 8.5 | | 58.8 | 58.6 | K | 9.4 | | 45.0 | 2.3 | | 9.5 | | 32.8 | 51.0 | |
| 7.5 | | 51.1 | 21.8 | K | 8.6 | | 40.4 | 25.0 | | 9.0 | 56 | 2.7 | 56.5 | K | 9.5 | | 52.8 | 21.9 | | 9.5 | | 38.0 | 2.8 | |
| 9.2 | | 58.7 | 54.1 | | 9.5 | 46 | 2.2 | 0.4 | B | 9.3 | | 12.6 | 40.3 | K | 9.4 | 8 | 19.9 | 20.8 | | 9.5 | | 47.7 | 6.5 | |
| 9.2 | | 59.6 | 18.1 | B | 9.5 | | 8.0 | 14.6 | | 5.2 | | 12.9 | 51.7 | Kb | 9.1 | | 33.8 | 3.3 | Kb | 6.7 | | 52.5 | 22.1 | K |
| 9.5 | 31 | 14.3 | 18.1 | | 8.5 | | 15.7 | 43.9 | | 8.1 | | 48.3 | 47.3 | K | 9.5 | 9 | 3.2 | 31.2 | | 9.3 | 18 | 18.5 | 23.1 | B |
| 7.5 | | 16.6 | 41.5 | L | 9.0 | | 36.3 | 27.7 | L | 9.0 | | 58.2 | 5.6 | | 9.3 | | 4.0 | 12.6 | | 9.5 | | 20.4 | 24.4 | |
| 9.3 | | 31.0 | 21.1 | B | 9.2 | | 37.6 | 16.8 | | 9.4 | 57 | 28.6 | 49.3 | | 8.0 | | 14.6 | 12.0 | K | 9.4 | | 32.3 | 20.8 | |
| 9.3 | | 40.5 | 27.3 | K | 9.5 | 47 | 6.3 | 39.4 | | *9.0 | 58 | 24.6 | 53.1 | | 9.0 | | 43.4 | 27.7 | | 9.5 | | 36.4 | 30.8 | D |
| 9.5 | | 47.3 | 18.1 | | 9.2 | | 8.3 | 33.1 | | 9.2 | | 28.9 | 25.3 | | 9.3 | | 54.6 | 19.8 | | 9.5 | 19 | 8.2 | 35.6 | |
| 8.2 | 32 | 1.9 | 37.3 | K | 9.2 | | 11.6 | 57.2 | | 9.5 | | 37.6 | 57 0 | | 7.6 | | 59.1 | 59.9 | L | 9.5 | | 14.5 | 49.2 | |
| 8.7 | | 21.5 | 59.3 | | 9.3 | | 27.3 | 0.6 | | 9.3 | | 39.5 | 7.2 | | 8.8 | 10 | 2.3 | 0.5 | | 9.5 | | 19.9 | 32.8 | |
| 9.2 | | 35.8 | 37.0 | K | 9.3 | | 37.0 | 12.5 | | 8.5 | | 50.3 | 3.1 | Kb | 8.8 | | 6.0 | 26.3 | K | 9.5 | | 31.4 | 4.1 | |
| 9.0 | | 49.0 | 18.4 | | 9.0 | | 48.7 | 11.5 | K | 9.0 | | 51.4 | 38.4 | | 9.0 | | 17.3 | 28.3 | K | 9.0 | | 37.6 | 29.1 | |
| 9.5 | 34 | 1.3 | 33.9 | | 9.0 | | 51.7 | 19.4 | K | 8.0 | 59 | 35.3 | 45.7 | B | 8.5 | | 27.0 | 33.8 | K | 9.2 | | 42.4 | 17.7 | |
| 8.8 | | 24.5 | 20.8 | | 9.5 | 48 | 3.0 | 47.4 | | 9.5 | | 47.6 | 32.5 | | 9.5 | | 35.7 | 35.6 | | 9.2 | | 45.7 | 37.7 | R |
| 9.1 | | 29.8 | 7.1 | Kb | 9.4 | | 17.3 | 18.4 | | 9.0 | | 57.2 | 21.5 | K | 9.5 | | 55.6 | 35.2 | | 9.5 | | 50.1 | 57.5 | |
| 9.5 | | 32.7 | 59.4 | | 9.0 | | 29.6 | 25.2 | K | 9.5 | 0 | 20.0 | 32.5 | | 9.5 | 11 | 4.7 | 21.8 | | 9.3 | | 51.4 | 19.9 | B |
| 9.1 | | 45.1 | 6.1 | | 9.2 | | 31.6 | 18.9 | B | 9.5 | | 21.3 | 49.6 | | 8.5 | | 25.0 | 24.9 | L | 9 0 | | 53.2 | 37.5 | R |
| 9.5 | | 49.3 | 29.4 | | 9.5 | | 43.7 | 55.2 | | 8.8 | | 22.9 | 19.7 | K | 9.5 | | 33.2 | 29.3 | | 9.4 | | 55.0 | 24.8 | |
| 9.5 | 35 | 14.3 | 41.4 | | 9.4 | | 58.7 | 35.9 | | 9.4 | | 47.6 | 22.5 | | 9.3 | | 44.3 | 53.3 | | 9.5 | 20 | 0.3 | 3.1 | |
| 7.8 | | 50.7 | 14.6 | K | 7.8 | 49 | 16.5 | 5.6 | Kb | 9.5 | | 56.3 | 19.0 | | 9.5 | 12 | 0.9 | 42.1 | | 9.5 | | 1.1 | 30.3 | |
| 9.0 | 36 | 3.5 | 26.0 | | 9.5 | | 41.1 | 10.0 | | 9.1 | 1 | 2.0 | 35.6 | | 9.5 | | 2.7 | 57.5 | | 8.0 | | 6.9 | 23.8 | B |
| 9.4 | | 6.1 | 39.7 | | 9.5 | | 44.7 | 7.0 | B | 9.5 | | 6.4 | 57 5 | | 9.5 | | 31.6 | 12.8 | | 9.4 | | 22.8 | 48.3 | |
| 9.5 | | 11.7 | 18.1 | | 9.5 | | 48.0 | 16.0 | | 9.2 | | 51.2 | 2.3 | | 8.0 | | 40.8 | 53.9 | K | 8.5 | | 45.6 | 6.4 | |
| 9.1 | | 15.0 | 43.7 | Bb | 9.4 | 50 | 6.4 | 45.1 | | 9.3 | | 52.8 | 38.5 | B | 8.3 | | 42.1 | 40.4 | | 9.0 | | 51.3 | 57.2 | B |
| 9.5 | | 34.0 | 23.9 | | 9.0 | 51 | 0.2 | 32.2 | | 9.5 | | 53.4 | 54.2 | | 9.5 | 13 | 4.1 | 23.3 | | 9.4 | 21 | 0.5 | 21.5 | |
| 9.5 | | 40.5 | 50.0 | | 8.5 | | 1.4 | 49.4 | Kb | 9.5 | | 59.5 | 48.4 | | 9.5 | | 7.6 | 30.1 | | 9.4 | | 4.3 | 6.7 | |
| 9.2 | 37 | 10.3 | 16.9 | | 7.9 | | 2.1 | 39.6 | B | 9.1 | 2 | 33.6 | 11.8 | | 9.4 | | 37.5 | 19.5 | | 9.5 | | 16.8 | 43.9 | |
| 9.0 | | 10.7 | 45.2 | | 9.4 | | 2.7 | 19.7 | B | 4.2 | | 34.7 | 48.6 | Lb | 9.1 | | 51.9 | 30.9 | | 9.5 | | 24.4 | 2.7 | |
| 9.2 | | 12.8 | 9.0 | | 9.2 | | 31.5 | 13.8 | B | 5.5 | | 38.2 | 2.4 | R | 9.3 | | 58.8 | 40.5 | B | 9.5 | | 29.8 | 47.4 | |
| 9.5 | | 46.0 | 36.0 | | 9.3 | | 32.5 | 17.8 | | 9.5 | 3 | 17.3 | 31.9 | | 9.3 | 14 | 1.0 | 41.7 | | 9.5 | | 36.7 | 8.7 | |
| 8.8 | | 47.7 | 4.0 | Kb | 7.5 | | 34.3 | 22.5 | K | 9.4 | | 18.5 | 58.7 | | 9.5 | | 3.5 | 24.7 | | 9.5 | | 41.6 | 32.2 | |
| 9.4 | 38 | 31.2 | 32.5 | B | 9.5 | | 42.3 | 1.2 | | 9.5 | | 35.2 | 57.7 | | 9.1 | | 3.8 | 4.4 | Kb | 9.4 | | 43.8 | 47.4 | |
| 9.5 | | 52.7 | 32.1 | | 8.8 | 52 | 25.7 | 29.5 | K | 9.5 | | 52.3 | 50.4 | | 8.7 | | 9.4 | 18.6 | | 9.5 | | 50.6 | 37.2 | |
| 9.5 | 39 | 12.7 | 44.3 | | 9.4 | | 31.4 | 55.5 | | 9.3 | 4 | 2.0 | 14.0 | | 9.5 | | 10.5 | 44.5 | | 9.5 | | 52.1 | 15.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | + | | | | + | + | |
| 10pr. | | 25.76 | 0.42 | | 10pr. | | 25.73 | 0.20 | | 10pr. | | 25.72 | 0.05 | | 10pr. | | 25.73 | 0.14 | | 10pr. | | 25.74 | 0.27 | |

| 3652 α | | | | |
|---|---|---|---|---|
| 9.6 | 58 | 16.2 | 28.4 | B |

| m | 3801—3860 18ª | +20° | | m | 3861—3920 18ª | +20° | | m | 3921—3980 18ª | +20° | | m | 3981—4040 18ª | +20° | | m | 4041—4100 18ª—19ª | +20° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 21′ 55.4 | 18.6 | | 9.3 | 30′ 35.4 | 15.1 | | 9.5 | 38′ 24.6 | 17.6 | | 8 8 | 47′ 49.0 | 17.5 | K | 9.2 | 58′ 58.4 | 16.4 | |
| 9.0 | 22 4.3 | 30.0 | | 9.5 | 36.2 | 43.0 | | 9.5 | 33.1 | 25.5 | | 6.8 | 48 12.4 | 10.8 | Kb | 9.1 | 59 32.4 | 8.7 | a |
| 9.2 | 5.0 | 25.6 | | 9.0 | 42.5 | 27.3 | | 9.5 | 39 2.8 | 47.0 | | 9.4 | 13.3 | 0.9 | | 9.5 | 38.2 | 38.8 | |
| 9.5 | 5.2 | 54.8 | B | 9.5 | 58.5 | 42.0 | | 9.4 | 3.5 | 23.0 | | 8.7 | 15.6 | 35.2 | | 9.5 | 43.6 | 52.6 | |
| 9.4 | 15.3 | 4.2 | B | 9.4 | 59.7 | 3.0 | | 9.3 | 13.3 | 18.2 | B | 6.5 | 18.1 | 26.3 | 8 | 8.9 | 48.3 | 7.7 | |
| 9.1 | 15.6 | 29.3 | b | 9.4 | 31 10.1 | 22.2 | | 4.1 | 25.5 | 24.8 | R | 9 3 | 24.7 | 30.8 | B | 8.3 | 0 0.5 | 26.0 | L |
| 9.4 | 24.5 | 24.3 | | 9.3 | 36.5 | 21.8 | | 9.5 | 33.6 | 36.4 | | 9.5 | 56.7 | 45.1 | | 8.3 | 8.9 | 56.6 | |
| 9.5 | 42.4 | 30.5 | B | 8.9 | 40.1 | 2.4 | B | 9.4 | 46.7 | 44.6 | | 9.5 | 57.3 | 54.2 | | 9.5 | 13.5 | 3.9 | |
| 9.4 | 42.8 | 25.2 | B | 9.3 | 49.4 | 17.1 | | 9.2 | 40 4.2 | 0.6 | K | 8.7 | 49 4.5 | 38.9 | | 9.3 | 16.7 | 44.8 | |
| 9.5 | 43.6 | 36.0 | | 9.4 | 56.4 | 51.4 | | 9.5 | 27.3 | 4.6 | | 8.8 | 12.0 | 5.3 | | 9.5 | 26.7 | 38.6 | |
| 9.5 | 23 7.4 | 17.6 | | 9.5 | 57.3 | 52.4 | | 9.4 | 32.4 | 47.3 | | 9.5 | 31.6 | 52.4 | | 9.3 | 41.3 | 5.6 | |
| 9.5 | 34.5 | 28.4 | | 9.5 | 59.2 | 2.4 | | 9.1 | 33.4 | 11.5 | K | 9.0 | 37.5 | 24.5 | | 9.4 | 47.2 | 42.4 | |
| 9.5 | 37.6 | 43.1 | | 9.5 | 32 2.9 | 3.2 | | 9.5 | 41 5.4 | 15.5 | | 9.2 | 47.2 | 13.4 | B | 9.1 | 55.3 | 51.0 | |
| 8.5 | 39.9 | 57.4 | K | 9.4 | 5.2 | 2.6 | | 9.2 | 8.6 | 33.5 | | 9.5 | 50 2.4 | 6.7 | | 9.4 | 57.7 | 45.1 | |
| 9.4 | 42.3 | 27.1 | | 9.5 | 5.4 | 35.6 | B | 9.2 | 27.9 | 1.0 | B | 9.5 | 22.6 | 34.4 | | 7.7 | 1 7.4 | 12.7 | Kb |
| 9.5 | 43.8 | 29.8 | | 8.9 | 21.2 | 30.7 | B | 9.4 | 36.1 | 4.4 | | 9.5 | 46.9 | 59.6 | | 9.1 | 28.6 | 31.5 | |
| 9.5 | 24 4.8 | 52.3 | | 8.5 | 45.7 | 44.9 | | 8.3 | 42.7 | 46.5 | K | 9.2 | 54.5 | 23.3 | | 9.4 | 39.6 | 30.7 | |
| 9.5 | 21.0 | 20.5 | | 8.4 | 55.6 | 29.8 | K | 9.3 | 59.9 | 18.2 | | 9.0 | 51 4.5 | 25.5 | | 9.0 | 42.4 | 12.9 | K |
| 9.5 | 26.1 | 52.3 | | 7.7 | 33 0.5 | 22.6 | K | 9.5 | 42 6.9 | 57.4 | | 9.5 | 26.9 | 5.0 | | 9.1 | 2 1.6 | 27.5 | b |
| 9.0 | 26.4 | 2.4 | | 7.5 | 6.8 | 48.5 | K | 9.5 | 17.0 | 16.9 | | 8.8 | 30.7 | 37.9 | L | 9.3 | 5.9 | 57.3 | |
| 6.5 | 29.7 | 43.5 | Kb | 8.8 | 10.4 | 18.4 | K | 8.5 | 20.2 | 40.4 | K | 9.5 | 31.3 | 51.0 | | 8.5 | 36.3 | 8.6 | K |
| 9.3 | 41.0 | 52.1 | | 9.5 | 37.2 | 21.5 | | 9.5 | 22.5 | 46.1 | K | 8.6 | 45.9 | 10.4 | Kb | 8.5 | 3 17.2 | 1.9 | Kb |
| 9.5 | 41.7 | 43.7 | | 8.8 | 42.8 | 46.8 | | 8.5 | 25.7 | 43.6 | K | 9.5 | 50.0 | 21.8 | | 9.5 | 45.4 | 14.4 | |
| 9.5 | 25 10.8 | 51.1 | | 9.3 | 44.9 | 55.7 | | 9.3 | 36.5 | 17.5 | B | 9.5 | 55.3 | 5.2 | | 9.3 | 54.1 | 47.7 | B |
| 9.5 | 19.7 | 24.5 | | 9.5 | 47.4 | 29.4 | | 9.2 | 43 4.8 | 49.6 | | 9.4 | 59.7 | 42.5 | | 9.5 | 59.4 | 3.9 | B |
| 9.4 | 36.9 | 32.0 | | 9.5 | 57.4 | 58.2 | B | 9.5 | 13.6 | 0.7 | | 9.5 | 52 5.6 | 32.4 | | 9.5 | 4 5.7 | 32.3 | |
| 9.5 | 37.9 | 56.9 | | 9.3 | 57.8 | 22.8 | a | 8.8 | 15.0 | 25.2 | | 6.5 | 26.5 | 25.5 | K | 8.7 | 6.4 | 15.6 | K |
| 9.2 | 45.6 | 28.9 | | 9.5 | 34 5.4 | 2.0 | | 9.3 | 23.9 | 58.5 | | 9.5 | 28.7 | 44.5 | | 9.4 | 25.7 | 31.6 | B |
| 9.5 | 26 8.8 | 50.4 | | 9.1 | 16.5 | 24.3 | K | 9.5 | 31.4 | 10.8 | | 9.1 | 52.3 | 6.7 | K | 7.4 | 30.4 | 57.4 | K |
| 8.9 | 12.5 | 27.4 | | 9.0 | 17.0 | 36.1 | K | 9.0 | 46.6 | 33.5 | | 9.1 | 59.6 | 39.6 | | 9.2 | 50.6 | 35.2 | b |
| 9.0 | 14.5 | 45.1 | | 9.5 | 28.5 | 2.5 | | 9.4 | 55.2 | 26.6 | B | 9.4 | 53 6.0 | 29.3 | | 9.3 | 5 23.5 | 20.1 | |
| 9.3 | 21.0 | 4.4 | B | 9.5 | 30.8 | 58.2 | | 9.5 | 58.8 | 52.0 | | 9.5 | 13.6 | 33.3 | | 9.3 | 25.5 | 22.8 | |
| 8.3 | 36.4 | 18.0 | K | 9.5 | 46.9 | 56.2 | | 9.3 | 59.1 | 35.2 | | 9.5 | 34.4 | 41.3 | | 9.5 | 43.8 | 52.4 | |
| 9.1 | 45.1 | 0.5 | a | 9.5 | 52.7 | 59.1 | | 9.5 | 44 5.1 | 22.7 | | 9.5 | 38.2 | 1.5 | B | 9.4 | 56.7 | 43.8 | |
| 9.0 | 48.8 | 0.4 | | 9.5 | 35 8.0 | 7.4 | | 9.5 | 11.6 | 27.6 | | 9.5 | 53.1 | 47.2 | | 9.4 | 57.8 | 48.5 | |
| 9.5 | 27 0.4 | 9.5 | | 9.5 | 9.4 | 15.9 | | 9.2 | 24.6 | 33.9 | | 9.5 | 54 11.1 | 1.4 | | 7.9 | 6 2.8 | 59.0 | K |
| 8.2 | 6.8 | 52.5 | K | 9 5 | 10.5 | 4.0 | | 9.3 | 33.0 | 37.8 | | 9.1 | 12.0 | 29.1 | | 8.5 | 5.6 | 16.2 | |
| 9.3 | 20.1 | 55.5 | B | 9.5 | 27.6 | 42.5 | | 8.7 | 36.6 | 42.2 | B | 9.1 | 23.8 | 50.2 | b | 9.5 | 16.9 | 57.8 | |
| 9.5 | 22.6 | 51.8 | | 9.2 | 30.8 | 48.3 | | 8.9 | 37.9 | 57.7 | | 9.5 | 42.5 | 20.3 | | 9.5 | 19.6 | 6.3 | |
| 9.4 | 22.8 | 53.7 | | 9.4 | 34.3 | 2.6 | | 9.0 | 40.4 | 18.9 | | 8.5 | 43.0 | 25.5 | | 9.3 | 50.3 | 20.6 | |
| 9.5 | 23.0 | 23.3 | | 9.5 | 36 2.6 | 59.4 | | 9.2 | 41.9 | 5.6 | | 9.0 | 55 3.7 | 37.5 | | 9.2 | 7 6.6 | 56.4 | ✓ |
| 9.4 | 29.4 | 55.6 | B | 9.0 | 10.0 | 36.7 | | 9.2 | 42.6 | 47.9 | B | 6.0 | 8.0 | 37.8 | B | 9.0 | 41.4 | 45.6 | |
| 9.5 | 40.7 | 18.4 | | 9.4 | 23.2 | 3.6 | | 9.0 | 44.5 | 28.1 | | 8.9 | 9.0 | 33.6 | B | 8.3 | 8 3.3 | 42.2 | K |
| 9.5 | 55.5 | 27.5 | | 9.4 | 28.6 | 34.8 | | 9.4 | 51.2 | 38.2 | | 9.5 | 36.9 | 54.1 | | 9.5 | 29.7 | 8.3 | |
| 9.5 | 28 1.6 | 29.5 | | 8.0 | 34.6 | 32.3 | ✓ Kb | 9.2 | 57.5 | 26.8 | | 9.4 | 46.6 | 35.2 | | 9.5 | 32.0 | 26.2 | |
| 9.5 | 2.5 | 54.7 | | 8.6 | 40.8 | 51.3 | | 9.1 | 45 2.9 | 55.9 | | 9.5 | 57.3 | 3.1 | | 9.5 | 41.3 | 8.7 | |
| 6.5 | 4.5 | 21.4 | L | 9.0 | 48.8 | 52.8 | | 9.2 | 16.8 | 48.5 | | 9.5 | 56 34.1 | 30.7 | | 9.4 | 56.0 | 12.2 | B |
| 9.0 | 24.4 | 19.0 | B | 9.4 | 54.8 | 48.5 | | 9.2 | 19.4 | 12.7 | | 9.3 | 58.3 | 3.8 | a | 6.0 | 9 2.6 | 58.8 | Kb |
| 9.5 | 29.9 | 0.3 | | 9.4 | 55.3 | 51.2 | | 9.1 | 22.8 | 53.0 | | 9.4 | 57 8.3 | 5.8 | | 9.4 | 4.3 | 44.2 | |
| 9.5 | 44.6 | 33.7 | | 9.3 | 37 3.9 | 50.5 | B | 8.7 | 28.7 | 42.4 | K | 9.2 | 17.6 | 29.3 | | 7.7 | 37.1 | 3.0 | Kb |
| 8 8 | 29 6.3 | 5.1 | | 9.5 | 10.5 | 22.3 | | 9.4 | 47.1 | 19.9 | | 9.2 | 18.0 | 20.4 | | 9.3 | 42.1 | 33.5 | |
| 9.5 | 16.6 | 35.2 | | 9.4 | 12.6 | 50.4 | | 9.5 | 52.3 | 5.6 | | 8.3 | 25.4 | 3.1 | Kb | 9.4 | 10 24.6 | 55.7 | |
| 8.4 | 17.9 | 57.4 | K | 9.5 | 13.8 | 52.7 | | 9.3 | 53.8 | 54.5 | | 8.7 | 58 1.9 | 34.9 | K | 9.5 | 30.6 | 57.2 | |
| 9.5 | 30.6 | 21.8 | | 9.4 | 28.2 | 51.0 | B | 9.0 | 54.8 | 48.3 | K | 9.3 | 6.1 | 47.1 | B | 9.4 | 31.5 | 53.5 | |
| 9.5 | 42.8 | 55.9 | | 9.5 | 32.6 | 33.0 | | 9.3 | 46 4.8 | 53.0 | R | 9.3 | 14.7 | 44.6 | | 8.3 | 35.8 | 18.2 | K |
| 9.0 | 45.6 | 21.8 | B | 9.5 | 36.0 | 12.2 | | 8.3 | 7.9 | 59.7 | | 9.5 | 16.5 | 24.1 | | 9.3 | 39.9 | 1.9 | |
| 8.5 | 47.4 | 3.3 | | 9.5 | 54.1 | 12.5 | | 9.3 | 39.3 | 26.2 | | 9.1 | 38.7 | 2.2 | | 9.3 | 52.4 | 47.8 | |
| 8.4 | 30 0.8 | 52.0 | K | 9.4 | 54.9 | 57.4 | | 9.1 | 45.8 | 52.5 | K | 8.2 | 41.5 | 25.1 | L | 9.5 | 56.5 | 33.5 | |
| 8.8 | 12.8 | 55.7 | K | 9.0 | 38 5.7 | 43.3 | | 9.3 | 47 4.3 | 2.7 | | 9.3 | 42.7 | 0 7 | | 9.1 | 11 33.2 | 11.3 | |
| 9.4 | 29.9 | 2.7 | | 9.5 | 6.7 | 6.1 | B | 9.5 | 22.5 | 15.5 | | 9.3 | 50.2 | 0.5 | | 9.5 | 12 0.0 | 4.1 | B |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 25.75 | 0.38 | | 10pr. | 25.78 | 0.50 | | 10pr. | 25.82 | 0.63 | | 10pr. | 25.86 | 0.77 | | 10pr. | 25.92 | 0.94 | |

4101—4160

| m | 19h | | +20° | |
|---|---|---|---|---|
| 9.3 | 12′ | 4.6 | 55.3 | Rb |
| 9.5 | | 6.6 | 58.8 | |
| 9.0 | | 18.9 | 22.2 | |
| 9.5 | | 33.8 | 25.7 | a |
| 9.5 | 13 | 14.7 | 15.6 | |
| 9.5 | | 42.3 | 43.3 | |
| 9.5 | | 47.7 | 12.2 | |
| 8.2 | 14 | 4.6 | 35.5 | B |
| 9.2 | | 18.6 | 9.3 | b |
| 9.4 | | 34.9 | 23.1 | |
| 9.4 | | 35.6 | 33.0 | |
| 9.3 | | 36.6 | 59.7 | |
| 9.4 | | 54.5 | 51.5 | |
| 7.8 | 15 | 1.8 | 41.4 | K |
| 9.5 | | 9.7 | 15.2 | |
| 9.2 | | 16.6 | 23.7 | B |
| 8.7 | | 24.6 | 57.7 | K |
| 9.5 | | 59.5 | 50.3 | |
| 9.1 | 16 | 8.9 | 23.1 | b |
| 9.5 | | 10.5 | 3.8 | |
| 8.8 | | 18.2 | 15.2 | |
| 9.3 | | 39.9 | 23.8 | |
| 7.8 | 17 | 6.8 | 17.9 | K |
| 9.5 | | 8.2 | 36.2 | |
| 9.1 | | 14.5 | 54.5 | b |
| 8.4 | | 59.7 | 15.0 | K |
| 9.5 | 18 | 8.2 | 55.2 | |
| 9.1 | | 22.9 | 53.9 | B |
| 9.5 | | 23.0 | 54.7 | |
| 9.5 | | 34.1 | 53.7 | |
| 9.1 | | 43.8 | 18.3 | |
| 9.5 | | 59.4 | 49.2 | |
| 9.5 | 19 | 1.2 | 36.6 | |
| 9.1 | | 19.7 | 15.2 | |
| 9.1 | | 26.8 | 15.9 | |
| 9.5 | | 43.1 | 55.4 | |
| 9.3 | | 50.3 | 44.8 | |
| 9.5 | | 59.0 | 29.7 | |
| 7.7 | 20 | 32.5 | 52.4 | S |
| 8.9 | | 32.8 | 44.5 | |
| 9.0 | | 42.5 | 51.9 | |
| 8.0 | | 42.9 | 48.9 | R |
| 9.3 | | 46.4 | 47.4 | |
| 9.5 | | 49.5 | 5.7 | |
| 9.5 | | 50.3 | 11.6 | B |
| 8.6 | 21 | 3.4 | 22.9 | S |
| 9.4 | | 7.7 | 15.5 | |
| 9.4 | | 11.8 | 19.7 | |
| 9.4 | | 15.6 | 32.4 | B |
| 9.4 | | 32.4 | 47.6 | |
| 9.5 | | 37.5 | 51.1 | |
| 9.4 | | 44.3 | 44.9 | |
| 8.6 | 22 | 4.1 | 1.7 | Sb |
| 9.4 | | 21.6 | 55.3 | |
| 9.1 | | 23.4 | 45.4 | K |
| 9.5 | | 36.5 | 3.5 | |
| 9.5 | | 37.3 | 40.5 | |
| 9.5 | | 49.6 | 10.9 | |
| 9.5 | | 54.6 | 34.7 | |
| 9.5 | 23 | 2.3 | 58.2 | |
| | | + | + | |
| 10pr. | | 26.01 | 1.12 | |

4146 a
9.5 | 21 | 3.7 | 14.0 |

4161—4220

| m | 19h | | +20° | |
|---|---|---|---|---|
| 9.5 | 23′ | 2.7 | 13.7 | |
| 9.3 | | 17.9 | 25.1 | |
| 9.1 | | 52.3 | 2.0 | a |
| 8.9 | | 55.6 | 2.0 | K |
| 9.3 | | 56.8 | 20.5 | R |
| 9.3 | 24 | 2.1 | 59.5 | |
| 8.7 | | 12.0 | 27.1 | K |
| 9.4 | | 12.2 | 35.7 | |
| 9.5 | | 35.1 | 1.9 | |
| 9.0 | | 37.0 | 54.2 | K |
| 9.2 | | 37.5 | 1.9 | |
| 8.8 | | 38.6 | 32.8 | R |
| 9.1 | | 42.2 | 37.2 | |
| 9.5 | | 53.7 | 2.8 | |
| 7.0 | 25 | 45.2 | 38.0 | R |
| 8.8 | | 49.3 | 40.5 | R |
| 9.4 | 26 | 28.5 | 53.1 | |
| 7.8 | | 43.3 | 41.5 | K |
| 7.8 | | 57.5 | 6.1 | Sb |
| 9.5 | 27 | 2.4 | 37.6 | B |
| 9.5 | | 3.8 | 43.4 | |
| 9.2 | | 9.8 | 16.2 | |
| 9.4 | | 20.3 | 18.2 | |
| 9.2 | | 36.4 | 45.4 | |
| 9.4 | | 47.6 | 2.0 | |
| 9.5 | | 56.5 | 51.3 | |
| 9.5 | 28 | 3.9 | 24.9 | |
| 9.5 | | 38.1 | 35.2 | |
| 9.0 | | 41.8 | 16.5 | |
| 8.7 | 29 | 3.6 | 2.3 | |
| 8.7 | | 11.1 | 34.3 | R |
| 9.5 | | 13.8 | 12.7 | R |
| 8.3 | | 14.0 | 30.0 | R |
| 8.5 | | 19.5 | 51.0 | |
| 9.0 | | 30.7 | 11.0 | |
| 9.2 | | 37.0 | 30.0 | |
| 8.9 | | 39.2 | 38.6 | |
| 9.3 | | 51.1 | 34.2 | |
| 9.3 | | 55.1 | 35.5 | |
| var | 30 | 17.3 | 0.8 | K |
| 8.7 | | 18.1 | 34.0 | K |
| 9.2 | | 26.3 | 42.6 | |
| 9.0 | | 40.2 | 37.9 | |
| 9.2 | | 41.7 | 12.0 | |
| 9.4 | | 52.3 | 44.6 | |
| 9.3 | 31 | 40.6 | 57.8 | |
| 9.5 | | 41.6 | 59.2 | |
| 9.1 | | 45.2 | 38.5 | |
| 9.5 | | 57.6 | 8.4 | |
| 6.7 | | 59.0 | 27.7 | R |
| 9.5 | 32 | 0.1 | 10.4 | |
| 9.5 | | 52.7 | 33.2 | |
| 9.5 | | 54.7 | 15.7 | |
| 9.4 | | 58.5 | 29.0 | B |
| 7.8 | 33 | 20.0 | 27.3 | R |
| 8.4 | | 23.5 | 4.1 | |
| 9.4 | | 54.5 | 52.7 | |
| 6.7 | 34 | 7.6 | 8.7 | R |
| 9.2 | | 8.0 | 29.0 | |
| 9.2 | | 9.5 | 44.8 | |
| | | + | + | |
| 10pr. | | 26.09 | 1.27 | |

4221—4280

| m | 19h | | +20° | |
|---|---|---|---|---|
| 9.5 | 34′ | 11.7 | 12.2 | |
| 9.5 | | 36.5 | 50.7 | |
| 9.5 | | 50.8 | 19.6 | |
| 9.2 | | 51.3 | 43.1 | |
| 9.5 | 35 | 2.0 | 54.6 | |
| 9.2 | | 10.6 | 32.0 | |
| 8.5 | | 15.7 | 44.4 | K |
| 9.4 | | 15.9 | 23.6 | |
| 9.0 | | 29.3 | 43.1 | |
| 9.4 | | 32.1 | 33.0 | |
| 9.1 | | 38.9 | 23.1 | |
| 9.1 | | 39.8 | 19.4 | b |
| 8.5 | | 42.4 | 46.8 | K |
| 8.3 | | 48.3 | 40.4 | K |
| 9.2 | | 57.8 | 43.1 | |
| 9.2 | 36 | 5.5 | 50.5 | |
| 9.5 | | 16.6 | 6.8 | B |
| 8.7 | | 30.4 | 45.3 | K |
| 9.5 | | 32.9 | 36.1 | |
| 9.2 | | 36.8 | 36.3 | aB |
| 9.0 | | 39.4 | 36.5 | B |
| 9.5 | | 40.3 | 2.9 | |
| 9.4 | | 43.8 | 18.9 | |
| 9.5 | | 44.2 | 13.2 | |
| 9.4 | 37 | 9.8 | 24.9 | |
| 9.2 | | 12.3 | 17.7 | |
| 9.5 | | 22.5 | 50.3 | |
| 8.8 | | 31.1 | 34.2 | |
| 8.6 | | 33.9 | 21.9 | K |
| 9.5 | | 42.5 | 6.1 | |
| 9.1 | | 43.8 | 20.2 | K |
| 9.0 | 38 | 0.7 | 59.9 | K |
| 9.4 | | 6.3 | 44.6 | |
| 9.5 | | 17.0 | 51.8 | |
| 9.4 | | 18.7 | 18.0 | |
| 9.5 | | 28.7 | 13.1 | |
| 9.5 | | 32.0 | 7.2 | |
| 8.2 | | 53.1 | 34.2 | S |
| 8.7 | | 55.0 | 30.5 | |
| 9.5 | | 55.5 | 2.6 | a |
| 9.5 | | 58.1 | 45.4 | |
| 9.5 | 39 | 5.0 | 46.9 | B |
| 9.5 | | 9.5 | 43.9 | |
| 9.5 | | 19.9 | 20.9 | |
| 9.5 | | 25.0 | 53.0 | |
| 9.4 | | 27.1 | 51.0 | |
| 9.5 | | 29.7 | 15.5 | |
| 8.8 | | 49.6 | 9.3 | |
| 9.3 | | 55.6 | 1.6 | |
| 8.7 | | 59.1 | 34.7 | S |
| 9.5 | 40 | 0.3 | 55.0 | |
| 8.3 | | 8.5 | 3.4 | K |
| 9.5 | | 10.9 | 10.0 | |
| 9.5 | | 13.0 | 11.5 | B |
| 9.1 | | 18.3 | 40.6 | |
| 9.5 | | 38.5 | 1.9 | a |
| 9.4 | | 40.3 | 44.6 | |
| 9.5 | 41 | 6.6 | 56.2 | |
| 9.5 | | 25.2 | 16.8 | |
| 9.3 | | 33.0 | 29.0 | |
| | | + | + | |
| 10pr. | | 26.17 | 1.38 | |

4281—4340

| m | 19h | | +20° | |
|---|---|---|---|---|
| 9.5 | 41′ | 40.1 | 7.8 | |
| 9.5 | 42 | 11.7 | 32.9 | |
| 9.4 | | 15.4 | 27.1 | B |
| 9.3 | | 19.5 | 26.9 | Bb |
| 9.4 | | 30.4 | 9.8 | |
| 9.1 | | 34.8 | 3.1 | aB |
| 8.5 | | 40.5 | 3.7 | K |
| 9.5 | | 41.8 | 16.2 | |
| 9.3 | | 48.0 | 26.8 | |
| 9.4 | | 51.2 | 39.9 | |
| 9.3 | 43 | 1.4 | 47.6 | |
| 9.5 | | 10.6 | 17.9 | |
| 9.3 | | 19.8 | 17.0 | |
| 9.5 | | 23.7 | 48.8 | |
| 9.0 | | 29.7 | 15.2 | K |
| 9.3 | | 30.8 | 19.6 | |
| 9.5 | | 36.5 | 6.1 | |
| 9.5 | | 54.6 | 57.5 | |
| 9.5 | 44 | 1.7 | 13.5 | |
| 9.2 | | 12.7 | 12.3 | Kb |
| 9.5 | | 23.2 | 11.8 | |
| 9.2 | | 38.6 | 57.0 | K |
| 9.4 | | 58.6 | 57.2 | |
| 9.5 | 45 | 2.5 | 3.9 | |
| 9.5 | | 30.0 | 9.9 | |
| 9.5 | | 34.0 | 52.8 | |
| 9.5 | | 36.3 | 4.2 | |
| 7.7 | | 38.1 | 33.0 | B |
| 9.5 | | 40.7 | 12.1 | B |
| 9.4 | | 50.4 | 47.8 | |
| 9.5 | | 51.9 | 54.2 | B |
| 9.2 | 46 | 8.8 | 41.6 | |
| 9.3 | | 9.1 | 32.0 | |
| 9.2 | | 11.9 | 22.9 | K |
| 9.4 | | 30.2 | 38.2 | |
| 9.2 | | 39.8 | 19.9 | |
| 9.5 | | 45.0 | 5.8 | |
| 9.4 | | 47.1 | 32.0 | |
| 8.6 | | 52.4 | 47.1 | K |
| 9.5 | 47 | 0.6 | 57.7 | |
| 8.2 | | 14.1 | 55.2 | K |
| 9.3 | | 17.2 | 6.7 | |
| 9.2 | | 23.2 | 8.1 | B |
| 9.5 | | 31.1 | 52.4 | |
| 9.5 | | 33.5 | 47.0 | |
| 9.1 | | 47.1 | 32.8 | b |
| 9.3 | 48 | 6.6 | 51.0 | B |
| 9.2 | | 11.8 | 16.2 | |
| 9.4 | | 17.5 | 2.8 | |
| 9.2 | | 18.9 | 23.3 | |
| 9.4 | | 20.1 | 34.2 | |
| 9.5 | | 39.4 | 49.5 | |
| 9.4 | | 46.0 | 29.5 | |
| 9.1 | | 44.7 | 19.2 | K |
| 9.4 | | 47.2 | 36.9 | |
| 9.4 | | 55.6 | 9.5 | |
| 9.5 | 49 | 0.5 | 1.6 | |
| 9.5 | | 25.5 | 50.3 | |
| 9.4 | | 26.8 | 20.7 | |
| 9.1 | | 39.8 | 18.0 | |
| | | + | + | |
| 10pr. | | 26.25 | 1.49 | |

4341—4400

| m | 19h | | +20° | |
|---|---|---|---|---|
| 9.0 | 49′ | 40.2 | 15.8 | |
| 9.5 | | 40.9 | 23.2 | |
| 8.9 | | 46.5 | 3.4 | |
| 9.2 | | 59.9 | 22.7 | |
| 9.4 | 50 | 7.8 | 44.9 | |
| 9.1 | | 12.4 | 21.7 | |
| 9.5 | | 25.7 | 14.7 | |
| 9.4 | | 26.0 | 27.3 | |
| 9.4 | | 39.4 | 46.1 | |
| 9.1 | | 39.6 | 57.2 | b |
| 6.8 | | 40.2 | 36.7 | R |
| 9.1 | | 47.8 | 17.7 | |
| 9.3 | | 48.1 | 6.3 | |
| 9.1 | | 54.7 | 14.9 | K |
| 9.5 | 51 | 8.2 | 11.0 | |
| 9.5 | | 19.4 | 46.2 | |
| 8.5 | | 34.6 | 9.4 | K |
| 9.3 | | 41.0 | 27.3 | |
| 9.0 | | 46.1 | 34.7 | |
| 9.2 | | 51.6 | 31.7 | |
| 9.5 | | 56.5 | 36.4 | |
| 9.2 | 52 | 17.0 | 54.1 | K |
| 9.3 | | 27.6 | 8.3 | |
| 9.5 | | 40.5 | 55.0 | |
| 9.3 | | 59.6 | 8.3 | |
| 8.9 | 53 | 5.1 | 33.5 | |
| 9.0 | | 16.6 | 32.5 | |
| 9.3 | | 18.6 | 10.3 | |
| 9.0 | | 26.5 | 4.9 | |
| 8.8 | | 26.7 | 11.8 | |
| 9.4 | | 37.5 | 51.6 | |
| 9.2 | | 43.6 | 57.6 | |
| 8.8 | 54 | 8.5 | 6.2 | |
| 9.5 | | 9.2 | 14.8 | |
| 9.5 | | 15.0 | 28.0 | |
| 9.4 | | 34.7 | 22.5 | |
| 9.4 | | 41.5 | 41.0 | |
| 9.4 | | 50.8 | 43.8 | |
| 9.3 | | 51.7 | 27.5 | |
| 8.8 | | 54.1 | 17.7 | K |
| 9.5 | 55 | 5.5 | 3.2 | B |
| 8.7 | | 16.6 | 47.4 | |
| 9.1 | | 17.9 | 13.4 | |
| 9.0 | | 20.0 | 15.2 | K |
| 9.3 | | 45.4 | 55.8 | |
| 9.5 | | 45.7 | 49.1 | B |
| 9.5 | | 47.6 | 24.7 | |
| 8.9 | | 52.6 | 23.8 | R |
| 8.2 | | 56.2 | 31.7 | Kb |
| 9.0 | | 58.5 | 41.2 | |
| 9.4 | 56 | 2.0 | 6.8 | B |
| 9.5 | | 12.1 | 5.4 | |
| 9.3 | | 25.4 | 30.5 | B |
| 9.4 | | 27.5 | 39.1 | |
| 9.5 | | 28.0 | 50.5 | |
| 9.1 | | 33.6 | 4.4 | |
| 9.4 | | 40.3 | 28.3 | B |
| 9.4 | | 40.6 | 31.3 | |
| 9.5 | | 50.4 | 59.8 | |
| 9.5 | | 51.0 | 10.6 | |
| | | + | + | |
| 10pr. | | 26.33 | 1.59 | |

| 4401—4460 | | | | 4461—4520 | | | | 4521—4580 | | | | 4581—4640 | | | | 4641—4700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵘ—20ᵘ | +20° | | | 20ᵘ | +20° | | | 20ᵘ | +20° | | | 20ᵘ | +20° | | | 20ᵘ | +20° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.4 | 57 0.1 | 28.3 | | 7.6 | 4 20.3 | 4.1 | K | 9.4 | 13 6.4 | 49.9 | | 9.4 | 21 42.0 | 13.4 | B | 9.5 | 30 4.0 | 13.7 | |
| 9.5 | 2.5 | 0.2 | B | 6.3 | 41.0 | 42.7 | Kb | 8.5 | 22.7 | 47.5 | K | 9.5 | 52.3 | 34.3 | | 9.5 | 19.4 | 57.2 | R |
| 9.3 | 20.2 | 51.8 | | 9.0 | 41.6 | 12.4 | | 9.4 | 26.6 | 34.1 | B | 8.7 | 54.9 | 48.5 | K | 9.5 | 36.5 | 53.3 | |
| 9.3 | 30.2 | 45.6 | | 8.1 | 55.4 | 55.5 | K | 9.5 | 35.2 | 38.0 | | 7.6 | 55.7 | 2.5 | K | 9.5 | 51.1 | 56.6 | |
| 9.0 | 31.7 | 22.4 | | 9.1 | 5 6.7 | 15.8 | | 9.2 | 35.4 | 23.1 | b | 8.0 | 22 16.4 | 55.9 | K | 9.3 | 51.5 | 14.4 | |
| 7.5 | 31.9 | 39.3 | K | 9.5 | 29.5 | 54.0 | | 9.5 | 14 6.9 | 52.9 | | 9.5 | 24.7 | 25.1 | | 9.0 | 31 2.6 | 55.6 | |
| 9.3 | 33.6 | 10.3 | | 9.5 | 37.0 | 12.9 | | 9.4 | 12.7 | 5.3 | | 9.5 | 31.0 | 29.5 | | 9.4 | 8.0 | 16.9 | |
| 9.5 | 57.7 | 54.7 | | 9.3 | 38.6 | 33.1 | | 9.3 | 22.1 | 46.3 | | 9.3 | 32.8 | 0.7 | | 9.4 | 15.6 | 55.7 | |
| 9.3 | 59.3 | 59.5 | | 9.5 | 43.5 | 9.0 | B | 9.5 | 45.2 | 46.3 | | 9.4 | 40.3 | 30.4 | B | 9.1 | 16.5 | 14.3 | B |
| 9.0 | 58 3.2 | 40.6 | K | 8.0 | 43.9 | 38.1 | K | 9.4 | 46.7 | 42.8 | | 9.5 | 42.4 | 45.5 | | 9.4 | 28.4 | 12.7 | B |
| 9.5 | 3.5 | 2.7 | | 9.3 | 45.1 | 54.9 | | 9.5 | 53.8 | 30.2 | | 9.5 | 59.6 | 37.6 | | 8.7 | 28.7 | 38.1 | L |
| 9.4 | 14.0 | 39.3 | | 8.8 | 59.2 | 58.3 | | 9.5 | 55.1 | 56.3 | | 9.3 | 23 15.6 | 21.0 | | 9.0 | 30.5 | 45.7 | |
| 9.5 | 18.7 | 7.3 | B | 9.5 | 6 6.6 | 23.7 | B | 8.0 | 15 27.0 | 56.8 | K | 8.2 | 21.8 | 7.6 | Kb | * 8.5 | 42.3 | 14.1 | B |
| 8.8 | 20.8 | 36.6 | K | 9.5 | 8.2 | 15.7 | | 8.9 | 47.7 | 16.6 | K | 8.9 | 49.0 | 24.3 | | 9.2 | 51.1 | 22.9 | R |
| 9.4 | 29.6 | 24.2 | | 9.5 | 16.3 | 2.9 | | 9.5 | 49.3 | 40.2 | B | 9.5 | 58.3 | 5.7 | | 9.3 | 55.1 | 32.7 | |
| 8.7 | 30.9 | 17.8 | | 9.5 | 20.5 | 59.6 | | 9.5 | 56.5 | 46.7 | | 9.5 | 24 10.5 | 45.3 | | 9.0 | 32 0.0 | 23.4 | K |
| 8.9 | 42.2 | 14.9 | | 8.8 | 36.4 | 30.7 | | 9.5 | 56.6 | 43.8 | B | 9.4 | 13.0 | 47.1 | B | 8.8 | 2.3 | 50.2 | |
| 9.1 | 58.3 | 59.3 | Kb | 9.3 | 45.5 | 9.4 | | 9.5 | 16 2.7 | 23.0 | | 9.5 | 13.2 | 40.4 | B | 4.7 | 2.5 | 41.5 | Kb |
| 9.2 | 59 6.1 | 3.1 | B | 8.3 | 47.1 | 42.8 | R | 9.5 | 6.9 | 43.7 | B | 9.5 | 21.2 | 56.5 | | 9.5 | 3.1 | 15.8 | |
| 8.3 | 10.0 | 39.7 | K | 9.5 | 51.2 | 12.8 | | 9.5 | 30.5 | 2.6 | | 9.4 | 24.4 | 54.9 | | 9.4 | 7.2 | 54.5 | B |
| 9.3 | 21.5 | 29.9 | | 9.5 | 7 1.0 | 58.6 | | 8.0 | 43.1 | 24.0 | B | 9.3 | 27.7 | 20.0 | | 9.5 | 41.2 | 1.9 | |
| 8.1 | 36.6 | 6.8 | K | 9.5 | 4.2 | 23.0 | | 9.1 | 43.7 | 10.6 | b | 6.1 | 30.0 | 7.2 | R | 9.2 | 53.8 | 28.6 | K |
| 8.0 | 50.8 | 6.2 | K | 8.5 | 18.4 | 41.2 | L | 9.5 | 46.3 | 44.9 | | 9.2 | 45.3 | 45.2 | R | 9.0 | 54.0 | 44.4 | |
| 9.0 | 52.4 | 55.2 | K | 9.5 | 23.5 | 29.6 | | 9.4 | 48.8 | 32.4 | | 9.4 | 25 7.4 | 11.7 | | 8.9 | 33 4.6 | 41.1 | |
| 9.3 | 59.0 | 51.3 | | 8.8 | 35.6 | 37.2 | | 9.4 | 17 24.0 | 8.3 | | 9.5 | 9.7 | 45.0 | | 9.4 | 12.8 | 23.9 | K |
| 9.5 | 0 19.7 | 26.9 | | 9.5 | 42.7 | 37.7 | | 9.5 | 27.1 | 39.2 | | 8.9 | 20.5 | 47.9 | | 9.5 | 22.5 | 10.2 | |
| 9.5 | 23.5 | 31.5 | | 9.5 | 46.0 | 30.8 | | 9.5 | 33.7 | 16.1 | | 9.5 | 31.2 | 18.6 | | 9.4 | 24.5 | 11.9 | B |
| 9.3 | 29.4 | 43.3 | R | 8.7 | 8 4.4 | 13.0 | Rb | 9.3 | 36.5 | 3.5 | | 9.4 | 31.9 | 8.4 | | 9.4 | 25.1 | 7.8 | B |
| 8.5 | 31.0 | 7.7 | K | 9.5 | 9.5 | 0.7 | | 9.5 | 47.2 | 3.3 | | 9.3 | 33.2 | 27.4 | | 9.5 | 45.3 | 56.8 | |
| 9.5 | 34.5 | 14.4 | | 9.5 | 10.3 | 56.6 | | 9.5 | 56.3 | 19.5 | | 9.0 | 46.3 | 28.5 | | 9.4 | 45.4 | 8.5 | |
| 9.5 | 41.1 | 37.2 | | 9.5 | 25.2 | 20.9 | | 9.4 | 59.5 | 6.3 | | 7.0 | 47.8 | 22.5 | K | 8.2 | 51.6 | 22.0 | K |
| 9.4 | 45.2 | 43.6 | | 9.5 | 27.8 | 28.7 | | 9.5 | 18 7.5 | 15.8 | | 9.5 | 48.6 | 44.9 | | 9.4 | 52.3 | 14.8 | |
| 9.5 | 49.0 | 1.9 | | 9.0 | 29.2 | 7.4 | B | 9.5 | 8.2 | 48.9 | | 9.1 | 26 2.2 | 36.0 | | 9.5 | 34 8.5 | 15.0 | |
| 8.1 | 51.8 | 41.0 | K | 9.5 | 35.5 | 32.5 | | 9.0 | 12.2 | 38.0 | K | 9.5 | 7.7 | 48.7 | B | 8.9 | 14.2 | 57.4 | |
| 9.5 | 1 11.1 | 36.9 | | 9.3 | 54.0 | 28.5 | B | 9.1 | 52.4 | 31.8 | | 9.5 | 11.0 | 57.1 | | 9.5 | 35.6 | 22.0 | |
| 9.4 | 16.6 | 20.2 | B | 9.2 | 55.0 | 47.7 | | 8.7 | 58.9 | 11.0 | | 9.1 | 13.1 | 43.8 | B | 8.9 | 38.9 | 42.8 | |
| 9.5 | 17.2 | 11.1 | | 9.5 | 9 26.5 | 55.7 | | 9.2 | 19 7.5 | 33.8 | | 9.1 | 24.2 | 15.8 | | 9.0 | 40.8 | 43.0 | |
| 9.5 | 17.3 | 19.0 | | 9.5 | 40.4 | 47.9 | | 9.1 | 10.0 | 40.8 | | 9.5 | 36.9 | 50.4 | | 9.5 | 35 8.8 | 48.1 | |
| 9.2 | 33.7 | 20.4 | | 8.1 | 54.4 | 6.3 | B | 5.6 | 16.1 | 56.6 | R | 9.1 | 45.5 | 51.6 | B | 9.4 | 12.1 | 4.2 | |
| 9.5 | 43.6 | 12.7 | | 7.0 | 10 12.0 | 58.1 | R | 9.5 | 32.8 | 41.8 | | 9.5 | 27 4.0 | 26.1 | | 7.7 | 21.0 | 12.6 | B |
| 9.3 | 51.2 | 40.2 | | 8.8 | 20.5 | 48.4 | | 7.8 | 33.9 | 6.6 | B | 9.5 | 4.7 | 16.9 | | 8.5 | 21.1 | 44.2 | |
| 8.3 | 56.0 | 7.1 | Kb | 9.4 | 39.7 | 58.3 | | 9.1 | 36.3 | 54.8 | | 9.2 | 8.2 | 8.0 | B | 7.8 | 23.4 | 10.6 | B |
| 9.5 | 2 9.9 | 19.0 | | 9.5 | 44.8 | 13.9 | | 9.5 | 58.6 | 9.0 | | 8.7 | 9.2 | 37.0 | K | 9.4 | 46.5 | 41.6 | |
| 9.0 | 15.6 | 32.6 | | 8.0 | 59.8 | 30.1 | B | 9.5 | 20 5.1 | 11.8 | | 9.5 | 12.4 | 41.3 | | 9.1 | 50.6 | 57.3 | |
| 9.4 | 17.4 | 58.2 | | 9.5 | 11 1.0 | 10.3 | | 9.4 | 18.9 | 31.6 | | 9.2 | 13.6 | 37.0 | K | 9.5 | 52.6 | 58.3 | |
| 9.5 | 22.0 | 6.5 | | 9.5 | 11.9 | 29.1 | | 9.5 | 23.8 | 25.8 | B | 9.5 | 19.5 | 18.7 | | 9.3 | 36 0.9 | 17.0 | B |
| 8.6 | 22.2 | 59.1 | | 9.5 | 15.9 | 23.9 | | 9.5 | 34.3 | 35.4 | | 8.9 | 20.7 | 14.0 | | 9.3 | 9.8 | 40.2 | |
| 9.0 | 57.5 | 58.9 | | 8.3 | 24.2 | 40.3 | | 9.5 | 37.6 | 27.3 | | 9.1 | 23.0 | 55.4 | | 9.5 | 11.5 | 30.5 | |
| 8.2 | 3 17.4 | 39.5 | L | 9.4 | 29.2 | 52.0 | | 8.6 | 38.2 | 32.5 | | 6.2 | 42.7 | 29.2 | K | 9.5 | 13.8 | 24.2 | |
| 8.1 | 26.2 | 56.2 | K | 8.8 | 36.7 | 7.9 | R | 8.9 | 43 9 | 5.1 | | 9.3 | 48.0 | 35.4 | | 9.0 | 14.4 | 53.4 | |
| 9.3 | 28.3 | 38.2 | B | 9.5 | 12 0.6 | 0.7 | | 6.8 | 45.7 | 0.3 | Kb | 9.5 | 28 18.8 | 57.3 | | 8.4 | 20.2 | 20.4 | R |
| 7.8 | 29.2 | 28.3 | K | 9.4 | 24.3 | 11.4 | | 9.4 | 49.7 | 40.3 | | 8.5 | 47.9 | 10.5 | K | 9.5 | 34.5 | 18.9 | |
| 6.4 | 32.7 | 29.2 | Kb | 9.5 | 26.8 | 30.2 | | 9.5 | 56.8 | 31.0 | | 9.3 | 50.5 | 33.6 | | 8.8 | 42.5 | 33.5 | |
| 8.2 | 32.8 | 35.0 | K | 7.8 | 28.2 | 46.1 | R | 9.4 | 21 1.5 | 59.6 | | 9.5 | 52.7 | 5.8 | | 9.3 | 52.5 | 14.7 | |
| 9.2 | 38.7 | 33.6 | K | 8.7 | 33.4 | 25.4 | K | 9.5 | 5.6 | 28.6 | | 9.2 | 29 5.1 | 27.9 | | 9.3 | 37 2.0 | 7.2 | |
| 9.5 | 42.0 | 4.1 | | 9.5 | 34.8 | 10.1 | | 8.9 | 15.3 | 59.7 | K | 9.1 | 7.2 | 50.3 | b | 9.5 | 5.4 | 18.8 | |
| 9.1 | 47.6 | 29.0 | B | 7.4 | 36.1 | 0.6 | K | 9.0 | 21.8 | 44.8 | | 9.5 | 19.3 | 45.5 | | 8.3 | 6.1 | 43.5 | |
| 8.2 | 59.0 | 49.0 | L | 9.0 | 37.1 | 39.8 | | 9.5 | 27.1 | 21.0 | | 9.5 | 46.0 | 56.8 | | 8.8 | 13.8 | 37.0 | |
| 9.5 | 4 7.9 | 3.3 | | 9.4 | 52.4 | 54.8 | | 9.0 | 34.1 | 55.2 | | 9.5 | 51.6 | 16.9 | | 6.9 | 31.5 | 54.4 | B |
| 8.2 | 11.8 | 31.2 | K | 9.5 | 53.0 | 22.1 | | 8.6 | 39.4 | 54.5 | K | 8.6 | 53.9 | 5.9 | K | 8.2 | 57.6 | 47.9 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 26.40 | 1.68 | | 10pr. | 26.48 | 1.78 | | 10pr. | 26.60 | 1.90 | | 10pr. | 26.70 | 1.98 | | 10pr. | 26.80 | 2.08 | |

| 4652 a | | | | |
|---|---|---|---|---|
| 9.6 | 31 | 34.6 | 20.1 | B |

| 4701—4760 | | | | 4761—4820 | | | | 4821—4880 | | | | 4881—4940 | | | | 4941—5000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | +20° | | | 20ᵘ | +20° | | | 20ᵘ—21ᵘ | +20° | | | 21ᵘ | +20° | | | 21ᵘ | +20° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 9.5 | 38′ 2.2 | 52.2 | | 9.2 | 48′ 5.4 | 33.8 | | 9.3 | 57′ 41.4 | 46.9 | | 9.3 | 11′ 38.8 | 4.5 | | 9.2 | 23′ 57.8 | 31.8 | B |
| 8.5 | 18.4 | 9.1 | | 9.5 | 10.6 | 30.2 | | 7.8 | 58 3.6 | 18.7 | K | 9.3 | 54.0 | 55.0 | | 9.4 | 24 1.2 | 37.3 | |
| 8.8 | 19.9 | 19.6 | | 9.5 | 11.3 | 56.8 | | 9.2 | 11.5 | 42.0 | | 9.0 | 12 3.9 | 40.2 | Kb | 9.5 | 2.2 | 59.7 | |
| 8.8 | 51.1 | 27.0 | | 9.4 | 19.2 | 46.4 | | 9.5 | 37.2 | 19.9 | B | 9.0 | 5.9 | 47.8 | | 9.5 | 20.7 | 50.1 | |
| 9.5 | 56.4 | 39.6 | | 9.5 | 35.7 | 56.0 | | 9.4 | 40.4 | 58.7 | B | 9.0 | 10.4 | 40.8 | | 9.4 | 25.4 | 56.8 | B |
| 9.5 | 57.3 | 10.9 | | 9.5 | 50.4 | 43.9 | | 8.0 | 57.7 | 8.9 | K | 9.4 | 31.9 | 20.0 | B | 9.3 | 34.3 | 53.6 | |
| 9.1 | 39 2.5 | 34.1 | | 9.3 | 49 12.8 | 33.2 | | 9.3 | 59 4.1 | 26.4 | | 9.5 | 33.0 | 36.4 | | 8.3 | 40.9 | 33.9 | L |
| 8.6 | 7.6 | 32.9 | | 8.7 | 13.4 | 34.3 | | 8.1 | 21.4 | 43.6 | B | 9.5 | 46.0 | 39.8 | | 9.1 | 46.7 | 27.0 | |
| 8.2 | 21.1 | 16.1 | K | 9.3 | 17.8 | 57.8 | B | 6.5 | 22.2 | 22.2 | K | 9.5 | 53.1 | 6.8 | | 8.6 | 55.1 | 4.1 | |
| 9.5 | 21.4 | 48.0 | | 8.5 | 28.5 | 51.2 | K | 9.3 | 0 1.6 | 18.8 | | 9.5 | 13 14.9 | 20.1 | | 7.5 | 25 8.4 | 20.8 | K |
| 9.5 | 25.2 | 2.8 | | 9.5 | 35.3 | 59.4 | | 9.5 | 24.8 | 45.5 | | 9.5 | 18.7 | 12.1 | | 8.5 | 8.4 | 46.7 | K |
| 9.5 | 32.8 | 38.8 | | 7.8 | 37.7 | 53.1 | K | 9.5 | 57.2 | 33.0 | | 9.3 | 23.8 | 59.8 | | 9.2 | 42.9 | 21.8 | |
| 9.5 | 49.4 | 9.0 | | 9.5 | 47.1 | 14.3 | | 9.5 | 1 39.4 | 59.6 | | 9.0 | 14 29.4 | 16.0 | | 9.5 | 46.2 | 35.4 | B |
| 9.5 | 40 9.1 | 54.9 | | 9.4 | 49.4 | 46.3 | | 9.5 | 2 4.5 | 25.1 | | 7.5 | 51.6 | 41.9 | K | 9.3 | 58.4 | 29.5 | |
| 9.5 | 9.2 | 0.1 | | 9.0 | 59.7 | 45.4 | B | 9.3 | 10.8 | 20.8 | | 9.4 | 15 30.4 | 15.9 | | 6.7 | 26 16.8 | 4.5 | Sb |
| 9.3 | 21.4 | 52.1 | B | 8.6 | 50 13.7 | 35.0 | B | 9.5 | 21.5 | 45.6 | | 9.5 | 47.9 | 16.0 | | 9.0 | 29.4 | 48.2 | K |
| 9.5 | 41 5.5 | 0.1 | | 8.8 | 19.5 | 54.7 | | 9.3 | 28.1 | 36.7 | | 9.5 | 16 16.9 | 21.1 | | 7.0 | 41.4 | 56.5 | K |
| 9.2 | 7.6 | 30.4 | b | 8.8 | 33.6 | 14.5 | | 9.3 | 28.7 | 17.3 | a | 9.5 | 40.4 | 48.9 | | 9.0 | 27 28.9 | 17.0 | K |
| 9.4 | 31.5 | 35.2 | | 9.5 | 59.8 | 56.3 | | 9.0 | 38.5 | 16.8 | Bb | 9.5 | 44.4 | 14.2 | | 9 3 | 39.6 | 10.0 | |
| 6.5 | 53.4 | 42.0 | L | 9.2 | 51 10.2 | 15 4 | | 9.5 | 44.0 | 7.7 | | 9.0 | 58.3 | 10.0 | | 9.1 | 47.9 | 41.5 | |
| 9.3 | 42 8.2 | 58.9 | | 9.5 | 11.6 | 31.8 | | 9.5 | 3 6.8 | 30.4 | | 9.2 | 59.2 | 22.0 | B | 8.8 | 48.4 | 45.6 | |
| 9.5 | 22.8 | 55.7 | | 8.6 | 40.1 | 39.7 | K | 9.4 | 7.3 | 30.9 | | 9.0 | 17 12.4 | 21.9 | B | 8.8 | 28 1.6 | 56.9 | |
| 9.5 | 47.0 | 23.2 | B | 9.3 | 53.6 | 53.5 | | 9.5 | 18.1 | 46.3 | | 9.4 | 19.5 | 56.2 | | 8.8 | 30.5 | 7.0 | Kb |
| 9.4 | 43 22.4 | 44.5 | | 9.4 | 52 0.3 | 31.4 | | 7.8 | 39.5 | 9.0 | K | 9.3 | 43.9 | 29.0 | | 6.7 | 32.3 | 45.6 | L |
| 9.4 | 27.6 | 44.3 | | 9.5 | 10.2 | 43.2 | | 9.3 | 45.9 | 34.1 | B | 9.5 | 18 1.9 | 55.7 | | 8.8 | 33.9 | 48.1 | |
| 7.2 | 29.7 | 20.6 | K | 8.2 | 15.5 | 14.7 | K | 9.2 | 50.5 | 2.2 | | 8.8 | 2.6 | 38.6 | B | 8.7 | 29 9.8 | 5.4 | K |
| 9.5 | 34.5 | 9.5 | | 9.5 | 26.6 | 42.5 | | 9.4 | 4 6.0 | 35.6 | | 9.5 | 10.6 | 7.1 | | 9.5 | 39.0 | 15.2 | |
| 9.5 | 42.6 | 32.8 | | 9.0 | 43.1 | 50.0 | B | 9.5 | 5 34.5 | 52.8 | B | 9.5 | 24.4 | 5.0 | | 9.1 | 54.0 | 24.6 | b |
| 8.8 | 53.3 | 54.0 | | 8.2 | 47.0 | 26.3 | K | 9.3 | 41.9 | 33.9 | | 9.0 | 29.8 | 39.7 | K | 9.5 | 59.2 | 16.2 | B |
| 9.5 | 44 21.8 | 13.7 | | 9.5 | 47.2 | 40.7 | | 9.5 | 59.3 | 38.1 | | 9.5 | 47.4 | 39.1 | | 9.5 | 30 8.7 | 2.2 | |
| 9.4 | 24.4 | 52.2 | | 9.2 | 53.6 | 39.8 | | 7.8 | 6 20.4 | 28.1 | K | 9.5 | 19 2.9 | 28.1 | | 8.5 | 29.6 | 45.0 | |
| 9.3 | 28.2 | 49.8 | B | 9.1 | 54.5 | 16.6 | | 9.0 | 28.6 | 42.2 | R | 9.0 | 10.4 | 29.8 | | 9.0 | 47.9 | 55.0 | R |
| 9.5 | 30.3 | 57.4 | | 8.9 | 53 0.3 | 11.1 | | 9.1 | 42.7 | 6.0 | b | 9.5 | 12.4 | 0.0 | | 9.5 | 54.2 | 58.7 | |
| 9.4 | 40.9 | 22.4 | B | 8.4 | 14.3 | 44.3 | K | 9.5 | 46.1 | 7.1 | | 9.5 | 31.9 | 21.8 | | 9.4 | 57.2 | 10.8 | B |
| 9.4 | 42.1 | 59.5 | | 9.3 | 23.3 | 48.4 | | 9.2 | 7 5.8 | 49.5 | B | 9.3 | 40.4 | 11.1 | B | 9.5 | 31 0.6 | 7.7 | B |
| 9.3 | 46.9 | 40.8 | | 9.4 | 28.2 | 44.9 | B | 9.0 | 19.6 | 23.5 | R | 9.5 | 40.9 | 15.1 | | 9.5 | 0.9 | 42.2 | |
| 9.3 | 54.2 | 3.6 | | 8.9 | 35.0 | 42.7 | K | 9.5 | 19.8 | 3.7 | | 9.3 | 52.1 | 38.4 | B | 7.8 | 12.9 | 23.1 | K |
| 8.8 | 59.8 | 39.1 | | 9.3 | 46.0 | 37.7 | | 8.8 | 40.9 | 35.3 | K | 9.5 | 58.4 | 29.6 | | 9.5 | 20.7 | 54.6 | |
| 9.5 | 45 2.0 | 32.3 | B | 9.0 | 53.1 | 45.5 | | 9.4 | 8 2.9 | 39.8 | | 7.3 | 59.0 | 5.7 | Kb | 9.3 | 34.6 | 53.3 | |
| 9.5 | 6.3 | 34.8 | | 9.5 | 59.1 | 38.6 | | 9.5 | 16.4 | 43.2 | | 8.8 | 20 12.4 | 19.7 | | 9.5 | 47.1 | 47.1 | |
| 9.0 | 10.2 | 53.1 | | 8.8 | 54 15.6 | 22.5 | | 9.1 | 34.5 | 59.5 | | 9.4 | 40.2 | 33.1 | | 8.3 | 32 33.4 | 41.2 | K |
| 9.3 | 15.1 | 41.3 | B | 9.3 | 29.4 | 6.0 | | 9.0 | 37.4 | 21.8 | | 9.3 | 44.4 | 22.1 | | 8.5 | 35.5 | 3.8 | Kb |
| 9.0 | 26.6 | 3.8 | Rb | 8.7 | 33.8 | 2.3 | Kb | 9.1 | 38.4 | 28.7 | | 9.5 | 44.5 | 5.3 | | 9.3 | 57.9 | 29.0 | |
| 9.2 | 31.8 | 38.3 | | 9.5 | 38.8 | 7.7 | | 9.5 | 54.2 | 46.3 | | 9.0 | 47.4 | 47.8 | | 9.5 | 33 1.4 | 26.6 | |
| 9.4 | 41.0 | 46.8 | | 8.6 | 55 5.1 | 51.9 | K | 9.5 | 9 14.9 | 41.8 | | 9.4 | 53.8 | 32.4 | B | 9.4 | 16.5 | 3.8 | |
| 9.3 | 45.1 | 14.9 | | 7.3 | 17.0 | 32.4 | K | 9.5 | 28.6 | 53.4 | B | 9.0 | 21 5.9 | 29.0 | | 9.1 | 26.2 | 40.2 | |
| 9.4 | 53.1 | 2 3 | | 9.3 | 17.6 | 46.8 | | 9.5 | 34.7 | 48.0 | B | 9.3 | 21.3 | 4.3 | | 9.3 | 34 8.8 | 0.6 | |
| 9.5 | 46 0.5 | 47.3 | | 9.4 | 25.8 | 3.6 | | 9.0 | 35.9 | 31.3 | | 9.2 | 28.7 | 58.1 | | 7.0 | 55.7 | 56.7 | K |
| 8.2 | 28.8 | 13.9 | K | 9.4 | 40.7 | 3.4 | B | 9.5 | 50.9 | 43.2 | | 9.3 | 40.4 | 56.5 | | 8.3 | 55.9 | 40.4 | K |
| 9.1 | 28.8 | 25.0 | a | 9.5 | 53.8 | 35.6 | B | 9.3 | 10 20.2 | 50.8 | | 9.5 | 40.4 | 27.1 | | 9.5 | 35 1.2 | 8.4 | |
| 9.5 | 35.1 | 38.8 | | 9.5 | 56 10.4 | 13.2 | | 9.3 | 30.4 | 13.5 | | 9.5 | 58.5 | 58.4 | | 8.8 | 23.6 | 33.3 | K |
| 7.7 | 53.2 | 22.8 | K | 9.3 | 13.9 | 58.1 | | 9.5 | 40.9 | 22.5 | | 9.5 | 22 9.3 | 7.1 | | 9.3 | 24.4 | 30.8 | |
| 9.4 | 47 7.1 | 4.4 | | 9.3 | 14.5 | 53.1 | | 9.5 | 49.7 | 58.7 | B | 9.4 | 15.3 | 5.4 | B | 9.4 | 30.4 | 49.8 | |
| 8.0 | 9.1 | 43.0 | K | 9.5 | 42.6 | 2.3 | | 8.0 | 57.9 | 14.2 | K | 9.1 | 17.4 | 41.2 | Kb | 9.5 | 36 0.9 | 57.8 | |
| 9.0 | 12.3 | 27.2 | K | 9.5 | 57 5.5 | 14.2 | | 9.5 | 11 6.6 | 56.7 | | 9.4 | 34.2 | 3.6 | | 9.0 | 15.4 | 19.8 | K |
| 9.0 | 17.5 | 43.1 | R | 9.3 | 11.1 | 57.4 | | 9.2 | 7.0 | 5.7 | | 9.2 | 51.3 | 25.4 | B | 9.5 | 57.5 | 19.5 | |
| 9.5 | 18.4 | 9.6 | B | 9.0 | 21.9 | 17.2 | | 9.5 | 17.9 | 14.5 | | 8.3 | 51.8 | 51.6 | K | 9.5 | 37 16.8 | 28.1 | |
| 9.0 | 24.8 | 47.1 | | 9.3 | 37.6 | 14.7 | | 9.5 | 26.5 | 8.4 | | 9.5 | 23 5.4 | 50.2 | | 9.5 | 25.9 | 49.5 | |
| 9.5 | 46.4 | 51.8 | | 9.3 | 39.2 | 10.0 | | 9.5 | 34.9 | 41.8 | | 7.2 | 13.5 | 19.0 | L | 9.5 | 27.5 | 59.5 | |
| 9.0 | 48 0.1 | 46.5 | | 9.3 | 39.3 | 26.9 | | 9.5 | 36.5 | 6.8 | | 8.5 | 33.4 | 36.0 | L | 9.5 | 33.6 | 44.3 | |
| | | + + | | | | + + | | | | + + | | | | + — | | | | + + | |
| 10pr. | | 26.95 2.20 | | 10pr. | | 27.07 2.29 | | 10pr. | | 27.28 2.42 | | 10pr. | | 27.49 2.55 | | 10pr. | | 27.69 2.65 | |

| 5001—5060 | | | | | 5061—5120 | | | | | 5121—5180 | | | | | 5181—5240 | | | | | 5241—5300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ᵐ | | +20° | | | 21ᵐ—22ᵐ | | +20° | | | 22ᵐ | | +20° | | | 22ᵐ | | +20° | | | 22ᵐ—23ᵐ | | +20° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 8.9 | 37 | 49.5 | 3.6 | | 9.1 | 53 | 12.0 | 51.9 | | 9.3 | 11 | 56.8 | 28.8 | | 9.3 | 26 | 10.5 | 24.9 | | 9.2 | 47 | 31.3 | 22.1 | |
| 8.9 | | 51.0 | 10.3 | | 8.3 | | 37.4 | 38.5 | K | 9.0 | 12 | 0.1 | 54.3 | | 9.0 | | 12.4 | 30.7 | | 9.5 | | 33.7 | 42.6 | B |
| 8.8 | 38 | 27.8 | 17.2 | K | 9.3 | | 48.4 | 42.7 | | 9.3 | | 4.9 | 6.3 | | 9.4 | 27 | 45.4 | 40.9 | B | 9.3 | 48 | 4.7 | 19.0 | Bb |
| 9.5 | | 28.9 | 40.1 | | 9.5 | | 58.3 | 3.2 | | 9.5 | | 27.9 | 36.0 | | 9.4 | | 52.8 | 32.0 | | 9.5 | | 6.5 | 21.3 | |
| 9.5 | | 32.9 | 14.9 | | 8.0 | 54 | 18.4 | 59.3 | K | 9.4 | | 37.5 | 38.0 | B | 9.3 | 28 | 16.6 | 40.8 | B | 9.0 | | 22.9 | 41.5 | |
| 9.5 | | 48.4 | 19.1 | | 9.0 | | 54.6 | 31.5 | K | 7.8 | | 42.0 | 16.6 | K | 8.5 | 29 | 13.5 | 56.6 | R | 9.3 | | 54.4 | 56.2 | |
| 8.8 | 39 | 20.9 | 30.5 | | 9.5 | 56 | 5.0 | 35.2 | | 8.4 | | 43.7 | 23.5 | R | 9.0 | | 15.8 | 47.2 | | 9.4 | 49 | 16.0 | 26.5 | |
| 9.4 | | 51.7 | 21.1 | | 9.5 | | 19.5 | 55.7 | | 9.4 | 13 | 11.0 | 3.5 | B | 9.5 | | 45.2 | 28.4 | | 9.3 | | 20.0 | 22.5 | B |
| 8.0 | 40 | 12.4 | 37.1 | K | 9.5 | | 32.8 | 20.4 | | 9.5 | | 16.3 | 13.5 | | 8.6 | 30 | 5.1 | 56.9 | K | 9.5 | | 26.7 | 1.6 | B |
| 9.5 | | 29.4 | 14.2 | | 9.5 | 57 | 4.6 | 26.6 | | 9.2 | | 27.6 | 56.8 | | 9.3 | | 7.6 | 6.2 | | 9.3 | | 31.5 | 14.2 | |
| 8.5 | | 33.9 | 33.6 | K | 8.7 | | 35.3 | 21.0 | K | 9.2 | | 54.6 | 24.9 | B | 9.5 | | 25.8 | 44.0 | | 9.0 | 50 | 9.8 | 19.1 | |
| 9.2 | | 35.1 | 50.6 | | 8.5 | 58 | 3.1 | 33.3 | B | 9.5 | | 55.3 | 16.3 | | 9.5 | | 25.9 | 38.5 | | 7.6 | 51 | 2.7 | 44.7 | B |
| 9.0 | 41 | 6.0 | 31.8 | R | 9.5 | | 3.4 | 11.3 | | 7.5 | 14 | 33.8 | 20.1 | K | 9.1 | | 52.3 | 12.5 | b | 9.3 | | 5.9 | 54.2 | |
| 8.4 | | 16.1 | 29.4 | K | 8.0 | | 7.5 | 21.6 | B | 8.6 | | 50.3 | 14.9 | K | 9.5 | 31 | 17.8 | 14.6 | | 8.0 | 52 | 59.2 | 27.5 | K |
| 8.8 | | 16.2 | 36.7 | | 9.5 | | 22.2 | 36.2 | | 9.0 | 15 | 26.3 | 47.2 | | 7.2 | | 30.9 | 29.0 | K | 9.3 | 53 | 11.1 | 41.0 | B |
| 8.5 | | 18.4 | 19.3 | K | 7.6 | 59 | 11.5 | 5.7 | Kb | 9.5 | | 50.4 | 44.4 | B | 9.4 | 32 | 0.5 | 52.7 | | 9.3 | | 29.3 | 51.8 | |
| 9.0 | | 40.4 | 15.2 | K | 9.1 | | 13.1 | 23.2 | B | 9.4 | 16 | 12.6 | 51.8 | | 9.1 | | 21.3 | 44.0 | | 7.5 | | 44.2 | 36.5 | K |
| 9.0 | 42 | 1.9 | 41.9 | | 9.4 | | 23.1 | 19.9 | | 8.7 | | 40.7 | 7.6 | K | 9.5 | | 45.8 | 57.5 | | 8.8 | | 56.5 | 33.2 | K |
| 9.5 | | 14.7 | 34.9 | | 9.4 | | 32.7 | 9.5 | | 6.0 | | 41.7 | 6.4 | Kb | 9.3 | 33 | 7.9 | 38.1 | | 9.0 | 54 | 10.4 | 26.6 | K |
| 9.5 | | 24.8 | 54.8 | B | 9.5 | | 47.2 | 35.4 | | 9.0 | | 58.3 | 26.7 | | 9.4 | | 20.5 | 9.2 | B | 9.3 | | 51.5 | 12.1 | |
| 9.1 | 43 | 6.1 | 1.5 | Bb | 9.5 | | 55.8 | 36.3 | | 9.5 | 17 | 7.3 | 31.0 | | 9.4 | | 24.1 | 13.2 | | 9.5 | 55 | 2.0 | 36.6 | |
| 9.5 | | 47.9 | 13.1 | | 9.2 | | 56.3 | 16.7 | K | 9.4 | | 21.4 | 31.9 | | 8.8 | | 40.9 | 35.7 | | 9.2 | | 4.5 | 17.1 | B |
| 9.3 | 44 | 15.8 | 5.4 | | 9.3 | 0 | 23.8 | 46.5 | | 9.3 | | 55.8 | 11.0 | | 8.2 | | 51.9 | 4.3 | K | 9.2 | | 48.4 | 46.0 | |
| 8.9 | | 36.9 | 40.9 | Rb | 9.3 | | 44.8 | 6.0 | | 9.0 | 18 | 3.3 | 46.0 | | 9.4 | 34 | 29.2 | 36.0 | | 6.6 | 56 | 2.5 | 9.1 | K |
| 9.5 | | 38.7 | 9.1 | | 9.4 | 1 | 24.7 | 35.4 | | 9.3 | | 3.5 | 3.0 | | 9.5 | | 42.6 | 18.4 | | 9.5 | | 12.6 | 6.8 | |
| 9.3 | 45 | 21.4 | 43.6 | | 9.4 | 2 | 11.3 | 26.0 | | 9.4 | | 12.8 | 2.6 | | 9.5 | | 45.1 | 3.3 | | 9.5 | | 28.2 | 42.8 | B |
| 6.3 | | 32.7 | 35.4 | K | 9.5 | | 23.4 | 54.4 | | 9.1 | | 20.9 | 54.5 | | 9.3 | | 48.5 | 24.9 | B | 6.8 | | 46.1 | 49.0 | K |
| 8.8 | | 54.4 | 38.8 | | 9.1 | | 52.4 | 15.9 | B | 9.1 | | 24.8 | 55.4 | B | 8.2 | | 51.7 | 40.2 | K | 9.5 | | 48.8 | 9.2 | |
| 7.8 | 46 | 20.1 | 15.0 | K | 9.4 | 3 | 5.4 | 20.9 | | 9.5 | | 33.5 | 2.5 | | 9.5 | 35 | 15.4 | 5.2 | | 9.1 | 57 | 27.3 | 20.0 | |
| 9.3 | | 28.9 | 35.8 | | 8.5 | | 7.0 | 27.0 | L | 9.3 | | 45.3 | 28.9 | B | 9.0 | | 58.5 | 8.3 | B | 9.5 | | 28.1 | 5.5 | |
| 9.5 | | 45.9 | 20.5 | | 9.2 | | 8.5 | 14.2 | | 9.0 | 19 | 8.4 | 21.5 | K | 9.5 | 36 | 6.7 | 13.3 | | 8.5 | | 56.2 | 4.8 | K |
| 9.4 | | 55.0 | 56.7 | | 9.5 | | 40.7 | 54.0 | | 9.1 | | 17.8 | 47.5 | | 9.5 | | 8.2 | 22.6 | | 9.5 | 58 | 16.0 | 20.7 | K |
| 9.3 | 47 | 9.0 | 6.5 | | 6.0 | | 41.0 | 16.0 | Lb | 9.0 | | 24.2 | 21.5 | Kb | 8.9 | | 18.3 | 40.2 | | 9.0 | | 44.0 | 42.4 | K |
| 9.5 | | 12.4 | 16.0 | | 9.1 | 4 | 21.9 | 34.4 | B | 9.4 | | 27.0 | 40.7 | B | 9.3 | | 46.2 | 34.7 | | 9.3 | 59 | 0.5 | 38.9 | |
| 9.5 | | 23.8 | 15.7 | | 9.1 | | 44.4 | 55.0 | Kb | 9.3 | | 32.1 | 56.6 | B | 8.8 | 37 | 5.8 | 32.6 | | 9.0 | | 3.8 | 18.0 | K |
| 9.2 | | 54.7 | 57.5 | | 9.4 | | 51.5 | 33.8 | | 9.5 | | 47.9 | 40.0 | | 9.5 | | 15.9 | 36.1 | | 9.5 | | 13.5 | 30.4 | |
| 9.5 | | 58.0 | 3.0 | B | 9.5 | 5 | 5.6 | 13.9 | | 8.5 | 20 | 14.0 | 42.1 | R | 7.7 | | 17.0 | 10.3 | Kb | 9.5 | | 31.5 | 36.0 | |
| 9.2 | 48 | 6.7 | 9.1 | | 9.5 | | 20.9 | 35.0 | | 8.8 | | 15.5 | 52.3 | | 9.4 | 38 | 31.1 | 2.6 | | 6.2 | 0 | 21.5 | 21.7 | K |
| 8.5 | | 14.5 | 5.7 | Rb | 9.5 | 6 | 7.3 | 15.6 | | 9.4 | | 23.3 | 49.5 | | 9.0 | | 34 5 | 15.6 | | 9.1 | 1 | 36.4 | 49.9 | K |
| 9.4 | | 32.6 | 22.5 | B | 9.3 | | 28.8 | 1.6 | | 9.5 | 21 | 3.0 | 48.9 | | 8.5 | 39 | 1.3 | 56.2 | K | 9.5 | 2 | 32.6 | 1.5 | |
| 6.5 | | 35.4 | 10.5 | L | 9.4 | | 34.0 | 8.0 | B | 9.3 | | 3.4 | 2.1 | | 9.5 | | 16.5 | 22.9 | | 9.5 | | 43.3 | 57.0 | |
| 9.3 | | 46.8 | 51.4 | | 9.0 | | 35.0 | 24.1 | K | 8.3 | | 32.5 | 37.8 | K | 9.5 | | 35.4 | 1.2 | | 9.5 | | 53.0 | 46.8 | |
| 8.3 | 49 | 18.9 | 59.1 | B | 7.8 | | 49.2 | 21.4 | K | 8.8 | | 34.3 | 57.1 | R | 9.4 | | 38.6 | 5.9 | | 9.5 | | 55.0 | 28.0 | |
| 9.5 | | 28.4 | 9.7 | | 9.5 | 7 | 34.1 | 8.2 | | 9.4 | | 58.0 | 47.2 | | 9.5 | | 42.5 | 9.0 | | 9.4 | 3 | 24.6 | 8.8 | |
| 8.3 | | 36.7 | 0.5 | | 9.1 | | 48.3 | 53.7 | | 9.5 | 22 | 10.2 | 51.6 | | 9.0 | 40 | 13.2 | 41.9 | | 9.0 | | 29.5 | 23.8 | K |
| 5.8 | | 37.9 | 34.9 | K | 8.0 | 8 | 11.1 | 34.6 | K | 7.4 | | 12.1 | 37.8 | K | 9.1 | | 26.5 | 39.0 | | 9.5 | | 47.4 | 16.8 | |
| 6.8 | | 49.4 | 27.7 | L | 9.5 | | 11.5 | 49.2 | | 9.5 | | 16.0 | 23.8 | B | 9.5 | 41 | 30.6 | 59.2 | | 9.4 | | 52.1 | 11.3 | |
| 9.5 | | 52.9 | 14.2 | | 9.5 | 9 | 14.9 | 4.6 | B | 9.5 | | 25.0 | 18.6 | | 8.7 | | 51.1 | 0.8 | Kb | 9.5 | 4 | 14.5 | 11.6 | |
| 9.4 | 50 | 5.4 | 22.8 | | 9.5 | | 21.7 | 17.7 | | 9.5 | | 52.7 | 13.2 | | 9.3 | | 53.5 | 48.4 | | 9.4 | 5 | 1.6 | 21.4 | |
| 9.4 | | 11.5 | 48.9 | | 9.0 | | 26.6 | 56.4 | K | 9.5 | 23 | 8.5 | 40.9 | | 9.5 | 42 | 14.3 | 24.3 | | 9.5 | | 5.0 | 17.7 | |
| 9.5 | | 53.8 | 49.5 | | 9.4 | 10 | 5.7 | 22.5 | | 9.0 | | 9.5 | 34.0 | | 8.3 | | 54.6 | 11.0 | R | 9.4 | | 11.7 | 24.5 | |
| 9.5 | 51 | 8.7 | 24.6 | | 9.2 | | 18.8 | 7.8 | b | 9.2 | | 20.3 | 5.5 | Rb | 9.5 | | 59.7 | 48 5 | | 9.3 | 6 | 3.6 | 8.7 | b |
| 9.1 | | 18.3 | 14.5 | B | 8.8 | | 23.5 | 43.3 | K | 9.5 | | 28.9 | 41.9 | | 8.9 | 43 | 31.4 | 6.2 | | 8.7 | 7 | 32.1 | 5.5 | Kb |
| 7.9 | | 45.1 | 14.1 | Kb | 9.4 | | 40.2 | 48.3 | | 8.0 | | 51.5 | 15.6 | K | 9.3 | | 43.6 | 56.0 | | 9.4 | 8 | 11.7 | 7.7 | B |
| 9.4 | | 46.4 | 40.8 | | 9.5 | | 51.1 | 25.9 | B | 9.5 | 24 | 16.5 | 44.5 | B | 9.0 | | 46.1 | 34.7 | | 9.5 | | 17.6 | 2.7 | |
| 9.3 | | 53.9 | 21.1 | | 9.5 | | 52.8 | 47.1 | | 9.1 | | 20.2 | 24.3 | | 8.8 | 44 | 26.7 | 30.5 | | 9.4 | | 28.5 | 4.2 | |
| 9.3 | 52 | 15.9 | 47.4 | | 9.5 | 11 | 1.6 | 26.2 | | 9.5 | | 49.6 | 40.8 | | 9.4 | 45 | 5.4 | 7.0 | | 8.5 | 9 | 3.5 | 15.2 | K |
| 9.5 | | 16.0 | 12.5 | | 9.4 | | 10.3 | 57.6 | | 9.5 | 25 | 6.2 | 8.3 | | 9.5 | 46 | 16.0 | 13.2 | B | 9.3 | | 7.8 | 27.5 | |
| 9.5 | | 17.2 | 43.0 | | 9.3 | | 24.7 | 20.8 | | 9.5 | | 27.3 | 44.0 | | 9.5 | | 37.2 | 5.4 | | 9.5 | | 11.0 | 53.0 | |
| 9.5 | | 54.2 | 7.2 | | 9.5 | | 46.3 | 37.8 | | 8.0 | | 35.0 | 17.7 | S | 9.5 | | 59 8 | 15.5 | | 9.3 | | 25.6 | 15.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 27.97 | 2.79 | | 10pr. | | 28.28 | 2.91 | | 10pr. | | 28.59 | 3.02 | | 10pr. | | 28.93 | 3.12 | | 10pr. | | 29.38 | 3.22 | |

| 5301—5326 | | | | 5327—5352 | | | | 5353—5378 | | | | 5379—5404 | | | | 5405—5430 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | +20° | | | 23ʰ | +20° | | | 23ʰ | +20° | | | 23ʰ | +20° | | | 23ʰ | +20° | |
| m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | |
| 9.3 | 9 34.3 | 17.0 | B | 9.2 | 18 23.4 | 59.1 | | 9.4 | 26 41.9 | 6.3 | | 9.4 | 43 2.0 | 1.4 | | 9.5 | 51 6.2 | 2.0 | |
| 9.5 | 43.2 | 51.7 | | 9.1 | 27.0 | 34.7 | *b* | 9.0 | 52.1 | 42.6 | R | 9.2 | 21.5 | 45.7 | R | 8.4 | 11.4 | 57.7 | K |
| 8.5 | 50.0 | 36.7 | K | 9.5 | 35.6 | 0.2 | | 9.3 | 28 50.1 | 18.3 | *b* | 9.2 | 31.7 | 5.3 | *b* | 9.5 | 22.9 | 9.7 | *B* |
| 9.5 | 10 32.5 | 39.2 | | 9.5 | 48.5 | 38.1 | | 9.5 | 29 8.4 | 1.9 | | 9.1 | 39.9 | 56.4 | | 9.5 | 45.1 | 3.0 | ? |
| 9.5 | 11 57.6 | 29.0 | | 9.4 | 19 31.7 | 8.0 | | 8.6 | 41.2 | 55.9 | Kb | 9.5 | 44 47.6 | 31.9 | | 9.4 | 46.6 | 9.0 | |
| 9.5 | 12 13.1 | 58.2 | | 9.0 | 35.4 | 53.6 | | 9.4 | 31 54.0 | 45.5 | *b* | 9.5 | 55.6 | 22.9 | | 9.5 | 47.0 | 47.5 | |
| 9.4 | 25.3 | 9.9 | | 9.5 | 40.5 | 43.8 | R | 9.5 | 32 38.1 | 28.0 | | 9.3 | 56.0 | 0.8 | | 9.4 | 52 9.8 | 51.7 | |
| 9.0 | 35.8 | 27.9 | B | 9.0 | 20 20.5 | 35.8 | K | 9.4 | 33 57.9 | 22.5 | Bb | 5.8 | 45 2.8 | 51.3 | K | 7.5 | 18.7 | 29.4 | K |
| 9.5 | 13 9.0 | 44.3 | | 9.2 | 47.5 | 58.4 | | 9.5 | 35 12.7 | 59.9 | B | 6.6 | 18.9 | 57.0 | K | 8.5 | 24.3 | 21.1 | |
| 9.3 | 11.9 | 17.9 | | 8.2 | 47.9 | 34.0 | K | 9.5 | 13.5 | 48.6 | | 9.5 | 43.5 | 6.5 | | 9.2 | 28.9 | 5.8 | |
| 9.5 | 21.5 | 34.2 | | 8.5 | 57.0 | 28.7 | K | 9.1 | 36 26.6 | 37.2 | Bb | 9.0 | 51.3 | 47.9 | K | 9.5 | 53 2.7 | 21.5 | |
| 6.8 | 27.0 | 24.3 | K | 8.7 | 21 45.8 | 58.7 | R | 9.5 | 30.9 | 6.8 | | 8.8 | 56.5 | 4.4 | | 9.5 | 4.8 | 5.5 | |
| 9.3 | 31.1 | 6.4 | | 9.5 | 22 8.9 | 54.5 | | 9.5 | 37 11.7 | 2.6 | | 9.0 | 46 21.8 | 46.0 | | 9.3 | 54.9 | 25.8 | B |
| 9.0 | 15 7.5 | 39.3 | B | 8.8 | 21.1 | 52.9 | K | 6.5 | 45.4 | 36.1 | K | 9.0 | 47 26.9 | 32.0 | | 9.3 | 54 22.0 | 38.7 | |
| 9.5 | 13.6 | 59.0 | | 9.3 | 22.3 | 27.3 | | 9.3 | 38 45.8 | 8.0 | | 9.0 | 35.0 | 4.2 | | 8.7 | 27.0 | 13.6 | Kb |
| 9.3 | 17.3 | 38.7 | | 7.0 | 48.4 | 45.8 | K | 8.6 | 39 32.2 | 49.2 | K | 8.8 | 35.8 | 54.2 | | 9.5 | 55 25.8 | 53.7 | |
| 6.3 | 29.4 | 2.0 | K | 9.5 | 23 39.0 | 45.8 | | 9.2 | 40 36.5 | 28.4 | R | 9.3 | 48 15.3 | 49.0 | | 9.5 | 33.9 | 6.8 | |
| 9.3 | 16 18.0 | 12.3 | | 9.3 | 24 34.8 | 59.8 | Rb | 9.0 | 47.0 | 51.0 | | 7.0 | 36.4 | 22.1 | Lb | 9.5 | 41.7 | 34.3 | |
| 9.0 | 18.1 | 59.8 | | 9.0 | 38.5 | 47.5 | R | 9.5 | 50.4 | 46.5 | | 9.3 | 41.1 | 32.5 | B | 9.4 | 42.3 | 11.9 | |
| 8.8 | 35.5 | 39.8 | | 9.5 | 39.6 | 32.9 | | 9.0 | 41 16.1 | 18.3 | | 9.5 | 41.6 | 52.7 | B | 9.5 | 56 23.0 | 40.6 | |
| 8.0 | 43.2 | 32.5 | K | 9.0 | 45.8 | 2.1 | B | 9.2 | 18.5 | 12.5 | B | 8.9 | 49 16.0 | 49.1 | B | 8.6 | 26.6 | 6.7 | K |
| 9.5 | 47.4 | 59.5 | | 9.4 | 25 9.4 | 7.1 | B | 9.5 | 37.1 | 24.8 | B | 8.6 | 24.9 | 53.2 | B | 8.2 | 32.5 | 8.7 | K |
| 9.5 | 56.6 | 4.8 | | 9.4 | 10.4 | 2.5 | | 7.8 | 42.1 | 19.0 | R | 9.3 | 30.2 | 19.7 | | 9.5 | 57 57.9 | 45.8 | |
| 8.0 | 17 7.5 | 36.0 | K | 9.5 | 26 20.3 | 51.0 | | 9.5 | 51.8 | 16.7 | | 9.4 | 35.2 | 5.9 | | 9.5 | 59 18.0 | 0.3 | |
| 9.5 | 48.9 | 7.5 | | 9.0 | 20.9 | 37.4 | B | 9.5 | 42 6.3 | 26.0 | | 8.3 | 50 47.0 | 1.6 | K | 9.5 | 23.0 | 48.9 | |
| 9.5 | 51.8 | 3.6 | | 6.0 | 41.3 | 2.6 | Kb | 9.0 | 42.3 | 21.8 | | 9.3 | 57.3 | 58.2 | *a* | 8.4 | 51.7 | 10.0 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 29.73 | 3.27 | | 10pr. | 29.90 | 3.29 | | 10pr. | 30.22 | 3.32 | | 10pr. | 30.43 | 3.34 | | 10pr. | 30.59 | 3.34 | |

## Zone +21°

| 1—20 | | | | 21—40 | | | | 41—60 | | | | 61—80 | | | | 81—100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ʰ | +21° | | | 0ʰ | +21° | | | 0ʰ | +21° | | | 0ʰ | +21° | | | 0ʰ | +21° | |
| m | ′ | ′ | | m | ′ | ′ | | m | ′ | ′ | | m | ′ | ′ | | m | ′ | ′ | |
| 8.8 | 0 52.6 | 6.9 | K | 9.5 | 10 1.6 | 22.9 | | 8.2 | 18 12.6 | 54.0 | K | 9.4 | 25 1.9 | 43.9 | | 9.4 | 31 10.6 | 7.6 | |
| 8.9 | 1 35.7 | 50.2 | K | 9.5 | 11 12.6 | 6.0 | | 9.5 | 24.9 | 0.6 | *B* | 8.8 | 2.0 | 12.5 | K | 9.5 | 35.0 | 40.8 | |
| 9.0 | 46.8 | 8.5 | | 9.5 | 25.0 | 50.5 | | 9.5 | 35.8 | 9.1 | | 9.4 | 26 12.9 | 58.8 | | 9.1 | 42.9 | 33.9 | |
| 9.3 | 59.7 | 34.6 | | 8.5 | 32.9 | 33.2 | Kb | 9.4 | 19 30.4 | 48.0 | | 9.0 | 38.7 | 34.6 | | 9.4 | 33 0.1 | 36.3 | |
| 9.4 | 2 3.0 | 11.4 | | 8.3 | 12 56.8 | 40.5 | K | 9.0 | 41.5 | 10.1 | | 8.9 | 41.4 | 38.0 | K | 9.4 | 56.0 | 54.5 | |
| 9.5 | 35.7 | 15.2 | | 9.5 | 13 5.2 | 21.1 | | 8.0 | 20 8.9 | 17.3 | K | 9.4 | 27 2.0 | 29.1 | | 9.5 | 34 31.4 | 24.3 | |
| 9.1 | 37.2 | 7.1 | | 9.5 | 5.6 | 10.7 | | 9.5 | 35.0 | 19.7 | | 8.5 | 30.9 | 23.9 | R | 9.4 | 38.2 | 8.1 | |
| 9.5 | 53.6 | 44.1 | | 9.0 | 7.2 | 1.9 | K | 9.5 | 21 15.8 | 35.7 | | 9.5 | 48.1 | 30.5 | | 8.7 | 35 17.0 | 0.1 | K |
| 8.8 | 4 38.7 | 59.0 | | 9.5 | 14 14.1 | 54.3 | | 9.0 | 22.0 | 55.9 | | 9.5 | 28 43.0 | 53.4 | | 9.5 | 22.6 | 50.2 | |
| 7.5 | 47.1 | 46.1 | Kb | 9.5 | 26.3 | 3.1 | | 9.5 | 52.3 | 20.8 | | 8.2 | 51.4 | 13.6 | K | 9.5 | 46.9 | 36.6 | |
| 9.0 | 6 12.1 | 25.4 | | 9.1 | 15 18.3 | 51.7 | | 9.4 | 22 12.9 | 46.0 | | 9.1 | 56.5 | 13.3 | | 9.5 | 46.9 | 29.7 | |
| 9.2 | 41.0 | 55.3 | | 9.5 | 21.7 | 23.2 | | 9.5 | 34.4 | 46.3 | | 8.3 | 29 19.4 | 30.8 | K | 8.5 | 36 27.9 | 16.7 | K |
| 6.0 | 7 26.4 | 28.3 | K | 7.5 | 26.4 | 34.9 | R | 8.9 | 37.0 | 34.9 | | 9.5 | 26.6 | 3.5 | | 9.5 | 28.5 | 51.3 | |
| 9.0 | 8 5.8 | 31.8 | | 8.9 | 16 5.0 | 59.8 | | 9.3 | 50.1 | 23.9 | Kb | 8.5 | 52.7 | 6.2 | K | 8.9 | 40.7 | 33.4 | B |
| 8.0 | 12.3 | 53.3 | K | 8.5 | 9.4 | 28.8 | Lb | 8.8 | 54.0 | 57.4 | K | 8.2 | 59.6 | 51.9 | K | 9.5 | 37 13.6 | 34.2 | |
| 9.5 | 9 2.4 | 0.1 | | 9.5 | 17.4 | 1.2 | | 9.2 | 58.4 | 15.7 | | 9.5 | 30 11.6 | 42.1 | B | 8.3 | 22.8 | 31.5 | K |
| 9.3 | 10.0 | 53.9 | | 9.5 | 17 16.5 | 48.1 | | 9.5 | 23 2.8 | 52.1 | | 8.6 | 24.1 | 41.1 | L | 9.5 | 56.0 | 27.7 | |
| 9.5 | 12.4 | 20.2 | | 9.4 | 43.7 | 3.0 | | 9.5 | 26.9 | 33.2 | | 9.5 | 31.6 | 59.0 | | 9.5 | 38 19.4 | 23.2 | |
| 9.5 | 43.9 | 49.8 | | 9.0 | 51.9 | 28.1 | | 9.2 | 24 38.8 | 3.2 | | 9.1 | 47.2 | 3.7 | | 9.0 | 26.9 | 48.4 | K |
| 9.5 | 58.7 | 10.6 | | 9.4 | 18 0.5 | 14.1 | | 9.3 | 43.9 | 2.7 | B | 9.5 | 31 5.3 | 44.6 | | 9.0 | 36.7 | 57.7 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 30.84 | 3.34 | | 10pr. | 31.06 | 3.34 | | 10pr. | 31.23 | 3.33 | | 10pr. | 31.38 | 3.31 | | 10pr. | 31.54 | 3.30 | |

| 101—160 | | | | | 161—220 | | | | | 221—280 | | | | | 281—340 | | | | | 341—400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0°—1° | | +21° | | | 1° | | +21° | | | 1° | | +21° | | | 1°—2° | | +21° | | | 2° | | +21° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 39 | 11.5 | 27.4 | | 7.5 | 3 | 53.3 | 56.7 | K | 8.0 | 30 | 1.2 | 58.0 | K | 9.0 | 59 | 6.9 | 25.4 | K | 9.5 | 20 | 38.0 | 58.2 | |
| 8.8 | | 14.6 | 7.1 | | 9.3 | | 59.0 | 9.3 | | 7.0 | | 4.3 | 9.3 | K | 9.3 | | 19.4 | 7.8 | B | 9.5 | 21 | 34.0 | 1.7 | |
| 9.5 | | 23.3 | 17.3 | | 9.5 | 6 | 11.5 | 31.8 | | 9.3 | | 18.4 | 13.8 | | 9.4 | | 29.7 | 4.7 | | 9.4 | 22 | 11.4 | 1.5 | |
| 9.4 | | 58.5 | 56.6 | | 9.4 | | 33.7 | 3.3 | | 7.4 | | 58.3 | 11.7 | K | 9.3 | 0 | 4.3 | 5.9 | | 8.5 | | 30.1 | 49.2 | B |
| 9.5 | 40 | 49.4 | 50.8 | | 9.5 | 7 | 14.8 | 42.9 | | 9.5 | 31 | 35.4 | 24.9 | | 9.5 | | 20.6 | 45.0 | | 9.0 | | 50.5 | 32.7 | |
| 9.5 | | 57.8 | 54.6 | | 9.4 | | 25.2 | 28.7 | b | 9.1 | 32 | 28.4 | 44.8 | Bb | 8.9 | | 23.0 | 5.7 | K | 8.0 | 23 | 10.5 | 26.8 | B |
| 9.5 | 41 | 33.7 | 2.1 | | 9.3 | 8 | 25.9 | 19.8 | | 9.4 | | 43.2 | 53.5 | | 9.5 | | 25.8 | 8.6 | | 8.0 | | 26.7 | 2.7 | B |
| 9.0 | | 36.1 | 20.3 | B | 9.1 | 9 | 16.5 | 58.1 | | 9.5 | | 46.5 | 32.9 | | 8.9 | | 54.7 | 41.6 | | 7.5 | | 57.4 | 21.5 | L |
| 9.5 | 43 | 0.2 | 32.2 | | 8.7 | | 31.0 | 6.3 | | 9.5 | | 48.9 | 24.5 | | 9.3 | 1 | 20.0 | 44.0 | | 8.0 | 24 | 10.9 | 39.9 | K |
| 9.1 | | 31.8 | 23.1 | b | 8.4 | | 53.4 | 55.9 | K | 8.8 | 33 | 14.9 | 44.6 | | 9.4 | | 21.5 | 57.7 | B | 9.4 | | 12.3 | 53.5 | B |
| 7.0 | | 55.2 | 50.1 | R | 9.1 | 10 | 38.1 | 44.6 | | 9.5 | 34 | 17.2 | 57.0 | | 8.9 | | 27.0 | 19.1 | K | 9.5 | 25 | 28.5 | 44.3 | |
| 9.4 | 44 | 43.0 | 6.9 | | 9.3 | | 42.2 | 18.7 | | 9.5 | 35 | 21.3 | 34.0 | B | 9.5 | 3 | 32.1 | 56.1 | | 9.1 | | 36.6 | 35.0 | b |
| 9.5 | | 57.8 | 16.3 | | 8.7 | 11 | 5.9 | 38.7 | B | 9.5 | 36 | 33.2 | 54.2 | | 8.8 | | 32.4 | 7.7 | | 8.5 | 26 | 22.0 | 3.2 | K |
| 9.1 | 46 | 11.3 | 8.2 | b | 9.5 | 12 | 22.4 | 27.8 | B | 8.8 | 38 | 11.4 | 44.7 | K | 9.5 | | 55.8 | 36.1 | B | 9.2 | | 26.1 | 18.7 | aB |
| 9.5 | | 23.4 | 7.6 | | 9.5 | | 38.1 | 57.0 | | 9.5 | | 11.6 | 7.7 | | 8.9 | 4 | 4.8 | 53.1 | B | 9.4 | | 45.5 | 49.2 | |
| 8.4 | | 23.7 | 40.4 | K | 9.5 | | 57.5 | 13.9 | | 9.1 | | 32.4 | 7.7 | b | 9.5 | | 10.0 | 40.9 | | 9.4 | 27 | 22.0 | 13.6 | |
| 9.4 | | 53.3 | 38.7 | | 9.4 | 13 | 23.2 | 43.2 | | 9.4 | 39 | 4.9 | 15.6 | | 8.8 | | 12.3 | 44.4 | K | 9.5 | 28 | 32.3 | 8.8 | |
| 9.5 | 47 | 28.1 | 5.7 | B | 7.0 | | 23.7 | 36.3 | K | 9.5 | | 19.5 | 26.2 | | 8.5 | | 13.6 | 18.2 | K | 9.5 | 29 | 38.0 | 31.2 | |
| 9.4 | 48 | 45.3 | 18.4 | | 9.1 | | 42.8 | 37.0 | | 9.5 | | 45.4 | 44.6 | | 9.5 | | 36.0 | 11.7 | | 9.5 | | 39.2 | 14.6 | |
| 9.5 | | 52.7 | 10.8 | | 7.5 | | 56.1 | 46.6 | K | 9.0 | 40 | 2.5 | 5.5 | | 9.3 | | 46.1 | 44.3 | | 9.5 | | 52.5 | 45.7 | B |
| 9.2 | | 53.8 | 4.1 | | 9.5 | 14 | 24.3 | 4.3 | | 9.3 | | 28.7 | 26.2 | | 9.0 | | 56.9 | 37.0 | K | 9.0 | | 55.0 | 22.3 | K |
| 9.5 | 49 | 8.7 | 49.2 | | 7.3 | | 33.5 | 19.7 | K | 8.1 | | 37.4 | 40.5 | K | 9.5 | 6 | 35.6 | 29.2 | | 8.8 | 30 | 34.9 | 20.7 | K |
| 9.5 | | 27.9 | 48.1 | | 9.0 | | 35.8 | 33.5 | | 6.0 | 42 | 9.2 | 32.8 | K | 8.4 | | 35.7 | 54.6 | R | 8.8 | 31 | 2.1 | 3.8 | K |
| 9.0 | 50 | 18.1 | 25.3 | | 9.3 | 15 | 20.7 | 3.0 | | 8.7 | | 12.4 | 27.0 | K | 7.8 | | 48.0 | 57.6 | L | 9.5 | 32 | 20.8 | 2.5 | |
| 9.1 | | 46.7 | 17.0 | Bb | 9.5 | | 24.2 | 41.2 | | 9.5 | | 42.5 | 20.3 | | 9.0 | | 57.3 | 32.6 | | 9.5 | | 32.6 | 29.5 | |
| 8.5 | | 48.9 | 38.1 | K | 9.4 | | 41.8 | 21.8 | | 9.4 | | 45.3 | 4.1 | | 9.2 | 7 | 12.3 | 54.2 | | 8.2 | 33 | 14.8 | 37.4 | K |
| 8.5 | | 53.6 | 48.4 | K | 9.5 | 16 | 19.4 | 59.8 | | 9.5 | 44 | 28.5 | 19.8 | | 8.6 | | 14.8 | 57.6 | R | 9.1 | 35 | 2.7 | 53.4 | |
| 9.4 | 51 | 3.6 | 10.0 | | 9.0 | | 22.2 | 6.9 | R | 9.3 | | 41.5 | 5.1 | | 9.3 | | 33.3 | 24.3 | | 8.8 | | 15.0 | 58.5 | |
| 9.4 | | 30.4 | 52.2 | | 8.0 | | 38.1 | 15.9 | K | 9.5 | | 43.1 | 29.5 | | 8.9 | | 38.8 | 9.9 | Kb | 9.5 | | 19.2 | 23.8 | |
| 9.5 | | 37.8 | 18.0 | | 9.5 | 17 | 42.5 | 6.2 | | 8.3 | 45 | 7.9 | 18.0 | K | 8.5 | | 47.7 | 48.2 | L | 9.5 | | 51.2 | 47.2 | |
| 9.5 | 52 | 19.9 | 8.0 | | 9.1 | | 53.0 | 49.4 | b | 9.3 | | 21.7 | 45.4 | | 9.5 | 8 | 3.9 | 8.4 | | 9.1 | 36 | 23.7 | 25.4 | b |
| 9.3 | 53 | 25.7 | 38.6 | | 9.5 | | 59.4 | 58.1 | | 9.5 | | 31.8 | 45.0 | | 9.1 | | 27.7 | 47.2 | a | 8.8 | 37 | 24.7 | 5.3 | K |
| 9.5 | | 59.8 | 23.8 | | 9.3 | 18 | 5.8 | 49.0 | | 9.4 | | 48.5 | 29.6 | | 9.1 | | 54.3 | 12.9 | | 9.4 | 38 | 45.7 | 33.4 | |
| 9.5 | 54 | 42.3 | 26.4 | | 9.4 | | 20.0 | 47.6 | | 9.5 | 46 | 0.4 | 29.9 | | 9.2 | | 54.7 | 49.6 | | 8.0 | | 50.7 | 58.4 | Kb |
| 8.8 | 55 | 30.5 | 59.9 | | 9.5 | 19 | 36.8 | 7.6 | | 8.7 | | 18.3 | 10.2 | K. | 9.1 | 9 | 22.0 | 40.9 | | 9.5 | 39 | 36.9 | 53.8 | |
| 9.5 | | 32.9 | 46.3 | | 9.1 | 20 | 23.2 | 53.8 | b | 9.0 | 47 | 4.3 | 6.2 | | 8.4 | | 25.3 | 32.6 | K | 9.5 | | 57.9 | 5.1 | B |
| 9.0 | | 34.9 | 30.5 | B | 9.4 | 21 | 4.3 | 19.5 | B | 9.0 | | 26.2 | 12.6 | | 8.3 | | 34.5 | 59.6 | K | 8.8 | | 58.7 | 35.8 | |
| 8.7 | | 41.2 | 1.2 | K | 9.5 | | 38.1 | 32.5 | | 9.0 | 48 | 21.4 | 2.0 | | 9.3 | | 35.3 | 45.4 | | 9.4 | 40 | 45.0 | 50.7 | |
| 9.5 | | 46.6 | 10.3 | | 9.0 | | 40.2 | 11.1 | | 9.3 | 49 | 36.8 | 54.5 | Bb | 8.5 | 10 | 13.0 | 20.8 | K | 9.4 | 41 | 30.2 | 40.6 | |
| 9.5 | | 50.6 | 22.0 | | 8.5 | 22 | 11.5 | 35.9 | Rb | 9.5 | | 40.0 | 51.0 | | 9.3 | | 20.9 | 55.0 | | 8.3 | 42 | 16.7 | 29.9 | R |
| 9.5 | 56 | 42.1 | 13.9 | | 9.5 | | 58.3 | 53.5 | | 9.5 | | 56.4 | 14.6 | B | 8.0 | | 25.6 | 12.4 | K | 9.5 | | 19.4 | 55.3 | |
| 9.2 | 57 | 25.1 | 11.1 | | 9.5 | 23 | 13.4 | 22.2 | | 9.4 | 50 | 56.1 | 20.0 | | 8.5 | | 52.6 | 13.2 | K | 9.3 | | 40.1 | 3.9 | |
| 9.3 | 58 | 7.8 | 38.7 | | 8.3 | | 48.5 | 59.6 | K | 8.8 | | 59.5 | 11.5 | K | 8.8 | 11 | 22.3 | 31.2 | | 9.5 | 43 | 6.1 | 1.3 | |
| 8.3 | | 28.9 | 47.7 | K | 9.5 | 24 | 25.0 | 50.9 | | 8.1 | 51 | 21.0 | 9.2 | K | 9.5 | | 47.8 | 58.8 | | 9.5 | | 14.9 | 57.4 | |
| 8.8 | | 33.1 | 12.1 | | 9.0 | | 28.1 | 25.2 | B | 9.4 | | 29.1 | 9.5 | | 9.4 | | 55.2 | 12.7 | B | 9.2 | 44 | 11.7 | 44.4 | Kb |
| 9.1 | 59 | 3.9 | 20.3 | | 9.4 | | 45.4 | 19.2 | | 9.0 | 53 | 4.2 | 3.2 | | 8.4 | 12 | 30.3 | 45.7 | K | 9.5 | | 36.4 | 58.1 | |
| 9.4 | | 10.3 | 49.7 | | 9.0 | 25 | 13.6 | 35.7 | | 8.3 | | 30.5 | 54.7 | K | 9.4 | | 58.3 | 44.0 | | 9.5 | | 51.2 | 26.2 | |
| 9.5 | | 25.7 | 26.4 | | 9.0 | | 26.3 | 48.3 | K | 8.8 | | 39.7 | 11.9 | | 9.2 | 13 | 51.0 | 20.5 | | 9.4 | 45 | 5.9 | 32.7 | B |
| 9.5 | | 42.8 | 32.1 | | 9.5 | | 47.6 | 53.4 | | 9.5 | | 40.4 | 26.3 | | 8.6 | | 58.3 | 6.8 | | 9.1 | 46 | 46.7 | 8.2 | |
| 7.5 | 0 | 22.1 | 11.2 | K | 9.2 | 26 | 2.0 | 55.0 | Rb | 7.5 | 54 | 3.6 | 25.0 | Kb | 8.5 | 14 | 18.4 | 28.8 | K | 8.5 | | 46.7 | 0.2 | |
| 8.5 | | 33.8 | 4.4 | K | 9.5 | | 3.4 | 59.4 | B | 9.5 | 55 | 46.0 | 37.5 | | 8.6 | | 49.6 | 36.4 | K | 9.0 | 48 | 44.2 | 37.6 | K |
| 8.4 | 1 | 10.8 | 34.9 | L | 9.4 | 27 | 1.4 | 31.5 | | 9.5 | 56 | 35.1 | 3.1 | B | 8.3 | 15 | 21.2 | 48.2 | K | 9.5 | | 51.0 | 55.4 | B |
| 9.4 | | 12.9 | 8.7 | | 9.5 | | 14.9 | 29.0 | | 9.5 | | 35.1 | 4.6 | | 8.0 | 16 | 27.0 | 46.4 | K | 9.4 | | 59.5 | 33.2 | B |
| 9.5 | | 29.1 | 53.6 | | 9.5 | 28 | 19.9 | 38.8 | | 9.3 | 57 | 20.6 | 28.2 | | 9.5 | 17 | 29.2 | 5.8 | | 9.5 | 49 | 34.3 | 59.2 | |
| 9.5 | | 31.5 | 59.3 | | 9.5 | | 38.0 | 20.7 | | 8.9 | | 52.3 | 26.7 | | 9.1 | | 34.5 | 30.9 | b | 9.5 | 50 | 22.3 | 52.5 | |
| 8.4 | | 35.8 | 48.3 | Lb | 9.5 | | 48.1 | 2.5 | B | 9.1 | 58 | 10.2 | 24.2 | | 9.4 | 18 | 16.5 | 54.9 | | 8.0 | | 32.3 | 26.0 | K |
| 9.5 | | 57.8 | 54.2 | | 8.5 | | 53.4 | 42.4 | K | 9.5 | | 13.3 | 35.3 | | 9.5 | | 30.3 | 52.7 | | 7.0 | | 34.5 | 1.5 | K |
| 8.8 | 2 | 24.1 | 58.3 | | 8.8 | 29 | 35.5 | 50.5 | K | 9.3 | | 18.9 | 0.2 | | 9.3 | 19 | 0.6 | 55.8 | | 9.5 | 51 | 44.4 | 28.6 | B |
| 8.8 | 3 | 49.7 | 34.2 | K | 9.3 | | 40.7 | 5.3 | B | 6.0 | | 27.0 | 57.5 | L | 9.0 | | 47.5 | 26.7 | K | 9.1 | 52 | 46.5 | 4.0 | |
| 9.5 | | 50.4 | 7.3 | | 8.0 | | 41.9 | 49.5 | Kb | 9.3 | 59 | 2.3 | 18.8 | B | 9.3 | 20 | 17.5 | 44.0 | | 8.9 | 53 | 5.8 | 37.8 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 31.90 | 3.25 | | 10pr. | | 32.47 | 3.15 | | 10pr. | | 33.05 | 2.99 | | 10pr. | | 33.51 | 2.83 | | 10pr. | | 34.04 | 2.60 | |

401—460

| m | 2m—3m | +21° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 53 9.4 | 44.7 | |
| 9.2 | 41.2 | 31.3 | K |
| 8.0 | 54 6.1 | 48.5 | L |
| 9.5 | 7.3 | 57.1 | |
| 8.2 | 41.7 | 24.3 | K |
| 9.4 | 49.6 | 57.6 | |
| 8.5 | 56 14.7 | 8.9 | K |
| 9.3 | 57 12.2 | 17.0 | Kb |
| 9.5 | 48.9 | 51.3 | |
| 9.5 | 58 31.7 | 47.5 | |
| 9.5 | 0 23.2 | 24.3 | |
| 9.4 | 56.5 | 15.3 | B |
| 7.7 | 1 45.4 | 11.5 | Bb |
| 9.5 | 56.7 | 37.4 | |
| 9.5 | 2 0.0 | 55.5 | |
| 7.7 | 19.6 | 20.6 | K |
| 9.4 | 26.2 | 13.5 | |
| 8.5 | 50.8 | 52.5 | K |
| 8.2 | 58.1 | 36.9 | K |
| 9.3 | 3 30.6 | 9.5 | |
| 9.0 | 4 7.2 | 12.0 | |
| 8.8 | 23.2 | 20.5 | |
| 9.3 | 41.3 | 58.0 | B |
| 9.5 | 54.4 | 54.0 | |
| 9.5 | 55.1 | 27.4 | |
| 8.3 | 55.2 | 4.7 | |
| 8.0 | 5 26.9 | 43.2 | K |
| 9.4 | 6 12.3 | 57.7 | |
| 9.4 | 24.1 | 57.7 | |
| 9.3 | 45.2 | 10.1 | |
| 9.5 | 7 15.3 | 15.1 | B |
| 8.8 | 9 1.1 | 44.1 | K |
| 9.3 | 31.9 | 3.3 | |
| 9.5 | 32.4 | 30.0 | |
| 9.5 | 53.2 | 19.6 | |
| 9.1 | 10 18.1 | 9.7 | b |
| 9.5 | 35.2 | 20.5 | |
| 9.5 | 37.6 | 47.7 | |
| 9.0 | 11 30.7 | 12.2 | |
| 9.5 | 12 4.9 | 53.7 | b |
| 9.5 | 5.2 | 34.1 | |
| 9.0 | 23.4 | 7.7 | |
| 8.8 | 13 12.4 | 13.2 | K |
| 8.5 | 14 28.4 | 11.4 | K |
| 9.5 | 45.7 | 54.9 | |
| 9.0 | 48.0 | 2.6 | K |
| 6.8 | 16 8.8 | 31.1 | K |
| 8.8 | 25.2 | 45.5 | K |
| 9.5 | 25.7 | 19.1 | |
| 9.5 | 47.8 | 19.4 | B |
| 9.5 | 50.1 | 54.9 | |
| 9.5 | 17 1.2 | 22.1 | |
| 9.5 | 2.8 | 58.2 | |
| 9.1 | 50.6 | 35.3 | |
| 9.5 | 59.5 | 1.5 | |
| 9.5 | 18 1.8 | 7.2 | |
| 9.5 | 7.1 | 57.1 | |
| 9.3 | 12.9 | 55.1 | |
| 8.2 | 13.6 | 26.7 | K |
| 9.5 | 29.2 | 6.1 | |
| | + | + | |
| 10pr. | 34.55 | 2.29 | |

461—520

| m | 3m | +21° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 18 30.2 | 14.0 | |
| 9.5 | 19 0.2 | 36.7 | |
| 9.5 | 27.2 | 7.8 | |
| 9.5 | 51.2 | 23.7 | |
| 8.3 | 56.6 | 33.0 | K |
| 9.4 | 20 12.4 | 52.1 | B |
| 9.5 | 56.2 | 13.9 | |
| 9.5 | 21 14.0 | 4.4 | B |
| 9.2 | 49.0 | 57.2 | K |
| 9.3 | 49.2 | 5.2 | |
| 9.4 | 22 6.6 | 16.4 | K |
| 9.5 | 42.0 | 5.2 | |
| 9.3 | 54.1 | 17.3 | a |
| 8.8 | 23 0.9 | 18.1 | |
| 9.3 | 6.1 | 19.8 | |
| 9.5 | 22.1 | 34.7 | |
| 9.2 | 31.7 | 8.9 | |
| 9.5 | 50.6 | 30.9 | |
| 9.2 | 24 7.4 | 7.8 | |
| 9.5 | 42.2 | 58.1 | |
| 9.2 | 44.2 | 9.4 | |
| 9.5 | 25 4.7 | 32.2 | B |
| 9.5 | 32.2 | 51.0 | |
| 8.9 | 42.8 | 13.4 | b |
| 9.5 | 27 50.6 | 23.9 | |
| 9.1 | 52.1 | 21.5 | |
| 8.6 | 28 3.7 | 16.7 | K |
| 9.5 | 50.2 | 58.1 | |
| 8.7 | 54.7 | 52.2 | K |
| 8.8 | 29 27.6 | 12.9 | K |
| 9.5 | 30 40.6 | 44.6 | |
| 7.2 | 46.1 | 23.2 | K |
| 9.4 | 31 21.2 | 13.4 | |
| 9.5 | 23.9 | 42.1 | |
| 9.0 | 50.4 | 51.3 | K |
| 8.5 | 50.8 | 59.9 | K |
| 9.4 | 58.5 | 51.6 | |
| 9.5 | 32 15.6 | 42.7 | |
| 9.5 | 25.6 | 56.1 | |
| 9.5 | 31.7 | 49.2 | |
| 9.5 | 33 22.2 | 18.8 | |
| 9.5 | 41.0 | 3.5 | |
| 9.5 | 52.5 | 57.9 | |
| 9.0 | 54.7 | 1.2 | |
| 9.5 | 34 30.5 | 17.3 | |
| 9.5 | 41.1 | 30.5 | |
| 9.5 | 48.6 | 19.0 | |
| 9.4 | 35 1.5 | 41.6 | B |
| 9.4 | 1.6 | 58.4 | |
| 9.1 | 13.1 | 36.4 | b |
| 9.5 | 52.8 | 55.4 | |
| 9.5 | 36 6.7 | 58.8 | |
| 9.4 | 26.3 | 48.5 | |
| 9.0 | 29.2 | 34.0 | K |
| 9.0 | 37.0 | 51.2 | |
| 9.4 | 40.1 | 14.7 | |
| 9.1 | 37 0.2 | 0.7 | |
| 9.5 | 9.2 | 24.3 | |
| 9.0 | 37.1 | 33.3 | |
| 9.5 | 38 0.0 | 43.2 | |
| | + | + | |
| 10pr. | 34.89 | 2.03 | |

521—580

| m | 3m | +21° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 38 23.6 | 12.8 | |
| 9.4 | 26.8 | 48.5 | |
| 9.0 | 52.2 | 25.4 | |
| 9.5 | 39 44.2 | 50.4 | |
| 9.5 | 44.4 | 16.8 | |
| 8.1 | 46.3 | 55.6 | B |
| 9.3 | 50.8 | 13.4 | |
| 9.0 | 40 0.0 | 20.8 | B |
| 9.2 | 0.2 | 45.9 | |
| 8.2 | 9.5 | 28.5 | B |
| 9.5 | 35.2 | 2.3 | B |
| 9.5 | 52.2 | 17.4 | |
| 9.5 | 52.7 | 44.5 | |
| 9.5 | 41 12.1 | 37.1 | |
| 6.5 | 24.6 | 48.4 | K |
| 9.5 | 31.1 | 16.1 | |
| 9.0 | 57.1 | 48.2 | |
| 9.5 | 42 16.3 | 51.8 | |
| 7.2 | 43 6.5 | 36.0 | K |
| 9.5 | 8.6 | 19.9 | |
| 9.0 | 11.6 | 51.4 | K |
| 9.5 | 46.9 | 44.5 | |
| 9.2 | 49.1 | 2.0 | B |
| 9.5 | 44 18.5 | 32.4 | |
| 9.5 | 32.6 | 14.1 | |
| 9.3 | 45 6.8 | 19.9 | |
| 9.5 | 14.4 | 55.6 | |
| 9.5 | 18.1 | 43.1 | |
| 8.8 | 24.0 | 9.5 | K |
| 7.5 | 31.6 | 30.3 | K |
| 9.5 | 40.5 | 23.1 | |
| 9.5 | 55.0 | 29.6 | |
| 9.5 | 46 13.2 | 47.3 | |
| 9.5 | 47 19.6 | 26.8 | |
| 8.0 | 25.0 | 20.7 | R |
| 9.0 | 31.6 | 47.6 | |
| 9.4 | 48 7.9 | 37.0 | B |
| 9.2 | 7.9 | 32.0 | a |
| 9.4 | 22.4 | 43.7 | B |
| 9.0 | 25.0 | 30.2 | R |
| 8.8 | 33.8 | 37.1 | B |
| 8.7 | 41.6 | 7.2 | K |
| 9.3 | 49 12.4 | 17.1 | B |
| 9.3 | 21.1 | 32.8 | |
| 9.5 | 30.1 | 25.3 | |
| 9.5 | 38.6 | 40.7 | |
| 9.5 | 50 9.7 | 7.0 | |
| 9.5 | 51 44.6 | 41.8 | |
| 9.4 | 47.6 | 6.2 | |
| 9.5 | 57.2 | 29.7 | |
| 9.5 | 52 1.0 | 26.9 | |
| 9.3 | 22.6 | 40.3 | |
| 8.8 | 53 12.0 | 15.1 | K |
| 9.5 | 35.2 | 12.9 | |
| 9.1 | 39.6 | 40.3 | |
| 9.5 | 52.0 | 16.5 | |
| 8.5 | 54 19.6 | 44.1 | K |
| 8.7 | 22.0 | 28.9 | K |
| 9.5 | 43.7 | 57.4 | |
| 9.5 | 55 13.5 | 8.0 | |
| | + | + | |
| 10pr. | 35.10 | 1.85 | |

581—640

| m | 3m—4m | +21° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 55 39.9 | 54.3 | |
| 9.5 | 41.5 | 8.6 | |
| 8.9 | 53.1 | 23.3 | R |
| 9.0 | 56.2 | 31.0 | |
| 5.0 | 56 8.3 | 40.5 | R |
| 9.5 | 9.0 | 4.9 | |
| 6.5 | 46.9 | 35.5 | Kb |
| 8.7 | 46.9 | 40.3 | K |
| 9.5 | 58.6 | 22.3 | |
| 9.5 | 57 17.4 | 14.7 | |
| 8.2 | 58 1.2 | 33.1 | Kb |
| 9.3 | 59 37.4 | 10.5 | a |
| 8.8 | 40.4 | 37.3 | K |
| 9.0 | 41.3 | 7.2 | |
| 9.0 | 55.6 | 11.3 | R |
| 9.5 | 0 3.8 | 51.9 | B |
| 9.5 | 24.9 | 59.0 | |
| 9.2 | 49.5 | 2.4 | |
| 9.3 | 1 20.7 | 3.0 | B |
| 9.5 | 50.8 | 51.8 | |
| 9.0 | 2 33.0 | 31.0 | K |
| 9.3 | 39.8 | 52.1 | |
| 8.7 | 46.9 | 40.7 | K |
| 9.3 | 49.6 | 27.6 | |
| 9.1 | 3 27.9 | 33.8 | K |
| 8.6 | 37.8 | 9.7 | Kb |
| 8.9 | 5 55.6 | 59.5 | B |
| 9.1 | 6 12.1 | 55.5 | |
| 9.5 | 36.9 | 10.4 | |
| 8.8 | 37.9 | 43.2 | K |
| 9.5 | 7 48.8 | 56.0 | |
| 9.0 | 54.7 | 32.4 | K |
| 9.5 | 8 13.2 | 3.1 | |
| 9.5 | 39.1 | 30.3 | |
| 9.3 | 57.3 | 44.9 | |
| 9.0 | 9 0.6 | 54.8 | K |
| 8.2 | 13.0 | 59.2 | K |
| 6.0 | 48.4 | 13.3 | Kb |
| 9.5 | 57.5 | 13.9 | |
| 9.2 | 10 11.8 | 58.1 | |
| 9.5 | 22.1 | 48.2 | |
| 9.5 | 22.6 | 21.7 | |
| 5.8 | 11 3.6 | 26.8 | Kb |
| 9.5 | 54.6 | 46.2 | |
| 9.3 | 12 10.6 | 53.2 | Kb |
| 9.5 | 37.1 | 26.8 | |
| 9.5 | 40.8 | 55.1 | |
| 9.5 | 52.8 | 39.4 | |
| 9.5 | 55.2 | 45.1 | |
| 9.5 | 13 4.5 | 58.1 | B |
| 9.2 | 22.1 | 54.4 | K |
| 9.5 | 57.0 | 10.0 | |
| 9.5 | 14 29.7 | 1.5 | |
| 9.5 | 40.0 | 16.4 | ? |
| 8.9 | 47.1 | 1.9 | |
| 9.0 | 50.6 | 46.9 | K |
| 9.0 | 15 11.1 | 3.1 | |
| *9.5 | 15.6 | 43.1 | |
| 8.6 | 25.9 | 12.0 | K |
| 9.5 | 26.1 | 5.6 | |
| | + | + | |
| 10pr. | 35.36 | 1.58 | |

641—700

| m | 4m | +21° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 8.0 | 15 37.8 | 23.1 | K |
| 4.3 | 16 44.0 | 58.1 | Kb |
| 6.0 | 47.3 | 51.6 | K |
| 7.5 | 17 44.0 | 8.3 | K |
| 9.3 | 18 37.2 | 39.0 | |
| 9.5 | 41.0 | 9.3 | |
| 6.5 | 19 24.9 | 17.1 | K |
| 8.7 | 34.0 | 59.7 | |
| 9.5 | 20 4.9 | 18.1 | |
| 9.3 | 15.9 | 55.3 | |
| 9.3 | 19.2 | 44.3 | |
| 8.8 | 24.8 | 34.5 | K |
| 9.5 | 35.2 | 49.5 | |
| 9.5 | 21 43.0 | 2.6 | |
| 9.4 | 22 52.7 | 50.1 | |
| 9.2 | 23 17.4 | 18.6 | K |
| 8.0 | 32.8 | 19.2 | K |
| 9.5 | 24 18.5 | 34.9 | |
| 9.3 | 20.9 | 5.9 | |
| 9.0 | 44.5 | 21.3 | |
| 9.5 | 47.9 | 56.9 | |
| 9.3 | 59.6 | 55.9 | B |
| 9.3 | 25 30.8 | 2.7 | |
| 9.5 | 46.2 | 17.3 | |
| 9.4 | 53.4 | 39.6 | B |
| 9.5 | 26 1.5 | 19.9 | |
| 9.5 | 41.6 | 5.8 | |
| 8.3 | 58.4 | 42.7 | K |
| 9.0 | 27 19.7 | 10.3 | |
| 7.5 | 37.4 | 13.7 | K |
| 7.8 | 40.4 | 23.6 | K |
| 9.5 | 42.2 | 59.4 | |
| 9.5 | 28 24.8 | 44.8 | |
| 9.5 | 25.4 | 24.4 | |
| 9.1 | 25.4 | 59.4 | |
| 9.3 | 45.1 | 24.4 | |
| 9.5 | 59.2 | 25.4 | |
| 9.5 | 30 43.5 | 15.8 | |
| 9.5 | 57.4 | 45.2 | |
| 8.2 | 31 1.5 | 13.6 | K |
| 9.1 | 13.4 | 59.2 | b |
| 9.5 | 25.1 | 59.2 | |
| 9.1 | 32 18.7 | 5.0 | |
| 9.5 | 33 10.9 | 0.2 | |
| 9.0 | 14.0 | 12.4 | |
| 8.8 | 21.5 | 13.5 | K |
| 9.2 | 34 5.3 | 24.5 | B |
| 9.5 | 13.7 | 3.7 | |
| 9.5 | 25.8 | 27.0 | |
| 9.3 | 37.6 | 43.8 | |
| 9.5 | 35 6.6 | 32.2 | B |
| 8.5 | 44.9 | 23.3 | K |
| 9.2 | 36 59.2 | 11.7 | |
| 8.9 | 37 21.8 | 0.8 | K |
| 9.3 | 24.0 | 4.4 | |
| 9.5 | 29.8 | 19.3 | |
| 8.8 | 59.5 | 14.0 | K |
| 9.5 | 38 13.9 | 6.5 | |
| 9.1 | 31.6 | 57.0 | |
| 9.0 | 45.2 | 1.9 | B |
| | + | + | |
| 10pr. | 35.56 | 1.31 | |

| 701—760 | | | | | 761—820 | | | | | 821—880 | | | | | 881—940 | | | | | 941—1000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ | | +21° | | | 4ᵐ—5ᵐ | | +21° | | | 5ᵐ | | +21° | | | 5ᵐ | | +21° | | | 5ᵐ | | +21° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ |
| 9.0 | 38 | 55 | 9 | 56.0 | 9.5 | 58 | 11 | 9 | 36.9 | 9.2 | 13 | 34 | 1 | 4.5 K | 9.5 | 23 | 4 | 9 | 55.1 | 9.0 | 33 | 58 | 1 | 30.2 K |
| 8.6 | 39 | 8 | 9 | 53.8 K | 9.5 | | 13 | 0 | 22.3 | 9.5 | | 46 | 2 | 40.6 B | 9 0 | | 12 | 8 | 34.0 R | 8.8 | 34 | 7 | 1 | 18.6 |
| 9.1 | | 21 | 3 | 54.7 | 9.5 | | 49 | 0 | 50.5 | 9.5 | 14 | 17 | 7 | 17.6 | 9.2 | | 16 | 0 | 39.9 | 9.5 | | 23 | 0 | 2.7 |
| 9.5 | | 23 | 5 | 21.6 | 9.0 | 59 | 7 | 9 | 29.6 K | 9.5 | 15 | 0 | 0 | 26.5 | 9.4 | 24 | 2 | 6 | 15.4 | 9.5 | | 25 | 6 | 6.5 |
| 9.5 | | 37 | 6 | 22.6 | 9.4 | | 9 | 5 | 51.9 | 9.5 | | 13 | 3 | 15.2 | 9.5 | | 3 | 7 | 34.9 | 9.1 | | 29 | 7 | 20.0 |
| 9.5 | | 54 | 6 | 32.4 | 6.3 | | 15 | 3 | 30.5 B | 9.5 | | 29 | 0 | 30.6 | 9.4 | | 34 | 2 | 19.1 | 8.3 | | 41 | 1 | 20.6 K |
| 8.0 | 40 | 10 | 2 | 4.0 K | 9.2 | | 32 | 7 | 37.7 K | 9.2 | | 59 | 5 | 23.5 K | 9.4 | | 35 | 5 | 7.0 | 8.7 | | 52 | 1 | 48.0 K |
| 9.5 | | 39 | 2 | 8.6 | 9.5 | | 40 | 0 | 51.2 | 9.5 | 16 | 1 | 3 | 37.5 | 9.5 | | 52 | 1 | 35.7 | 9.5 | 35 | 5 | 8 | 24.5 |
| 8.2 | 41 | 7 | 3 | 41.1 K | 9.5 | | 50 | 0 | 47.1 | 9.5 | | 10 | 2 | 57.0 | 9.5 | 28 | 12 | 2 | 6.7 | 8.9 | | 9 | 9 | 52.9 K |
| 9.3 | 42 | 10 | 5 | 9.4 | 9.0 | 0 | 7 | 7 | 18.3 K | 9 5 | | 14 | 5 | 36.8 | 9.5 | | 29 | 4 | 6.3 | 9.4 | | 18 | 1 | 43.8 |
| 9.5 | | 26 | 0 | 46.2 | 9.5 | | 24 | 0 | 41.2 | 9.5 | | 23 | 6 | 3.6 | neb | | 49 | 3 | 55.2 | 9.5 | | 27 | 8 | 54.9 |
| 9.4 | | 38 | 2 | 14.1 | 9.2 | | 42 | 4 | 56.8 | 9.5 | | 31 | 4 | 7.8 | 9.0 | | 55 | 1 | 31.0 K | 9.5 | | 37 | 0 | 6.8 |
| 9.5 | 43 | 18 | 6 | 52.8 | 9.3 | | 44 | 3 | 30.1 | 9.5 | | 35 | 5 | 58.2 | 9.5 | 26 | 4 | 1 | 42.6 | 9.0 | | 43 | 1 | 17.9 |
| 9.3 | | 37 | 9 | 2.9 | 9.1 | 1 | 0 | 3 | 38.8 K | 9.5 | | 41 | 4 | 43.3 | 9.5 | | 11 | 5 | 50.5 | 9.0 | 36 | 2 | 7 | 52.5 K |
| 8.9 | | 41 | 1 | 51.0 K | 9.5 | | 6 | 0 | 43.6 | 9.5 | | 45 | 0 | 38.3 | 9.5 | | 12 | 7 | 12.5 | 9.5 | | 7 | 0 | 38.7 |
| 9.3 | | 49 | 8 | 49.2 aB | 8.2 | | 10 | 2 | 48.1 K | 9.5 | | 48 | 3 | 2.0 | 8.5 | | 45 | 1 | 6.1 R | 9.3 | | 9 | 1 | 57.9 |
| 8.6 | 44 | 20 | 9 | 59.8 | 9.1 | | 10 | 4 | 38.8 | 9.4 | | 48 | 5 | 48.3 R | 8.9 | | 47 | 0 | 11.7 | 9.5 | | 12 | 0 | 45.3 |
| 9.0 | | 25 | 8 | 38.6 | 8.0 | | 31 | 7 | 57.6 K | 9.5 | 17 | 8 | 7 | 14.5 | 9.5 | | 52 | 3 | 15.5 | 9.1 | | 14 | 6 | 23.4 R |
| 9.5 | | 43 | 1 | 59.5 | 9.0 | | 36 | 0 | 47.7 K | 9.0 | | 10 | 0 | 39 0 | 7.8 | | 59 | 8 | 18.1 R | 9.4 | | 22 | 2 | 24.7 R |
| 9.0 | 45 | 41 | 4 | 40.8 | 9.5 | 2 | 0 | 6 | 23.2 | 9.4 | | 23 | 0 | 5.6 K | 8.9 | 27 | 4 | 6 | 58.9 | 9.5 | | 26 | 1 | 43.3 |
| 9.0 | | 45 | 2 | 29.7 | 9.5 | | 6 | 0 | 1.4 | 9.5 | | 56 | 6 | 12.6 | 8.9 | | 43 | 1 | 5.6 S | 9.5 | | 27 | 5 | 14.1 |
| 8.7 | | 59 | 3 | 6.9 | 9.5 | | 13 | 8 | 9.8 | 9.5 | 18 | 1 | 0 | 34.5 | 7.4 | | 44 | 7 | 53 7 K | 9.5 | | 27 | 5 | 17.1 |
| 8.4 | 46 | 9 | 4 | 54.7 K | 8.6 | | 17 | 4 | 36.0 K | 9.2 | | 9 | 0 | 4.3 K | 9.5 | | 55 | 0 | 32.1 | 9.5 | | 33 | 1 | 13.1 |
| 9.0 | | 24 | 6 | 26.5 | 9.5 | | 25 | 0 | 0.4 | 9.5 | | 12 | 0 | 53.3 | 9.5 | 28 | 22 | 1 | 19.6 | 9.5 | | 37 | 4 | 53.9 |
| 9.5 | | 31 | 1 | 3.9 | 8.3 | | 35 | 1 | 56.1 K | 9.0 | | 43 | 8 | 21.8 | 9.5 | | 29 | 9 | 20.8 | 9.1 | | 39 | 3 | 25.0 R |
| 8.7 | | 35 | 4 | 36.3 K | 9.0 | | 36 | 0 | 32.2 K | 9.3 | | 49 | 0 | 54.7 | 8.8 | | 43 | 4 | 40.3 | 9.5 | | 43 | 0 | 53.2 |
| 8.8 | | 58 | 0 | 57.8 Kb | 9.5 | 3 | 2 | 7 | 20.1 | 5.8 | | 56 | 1 | 48.5 Kb | 9.4 | | 49 | 6 | 7.4 | 9.4 | | 50 | 2 | 11.2 |
| 9.5 | 47 | 6 | 8 | 38.7 | 9.5 | | 8 | 6 | 36.7 | 9.0 | 19 | 13 | 9 | 19.4 K | 3.1 | | 58 | 9 | 2.7 R | 9.4 | | 55 | 1 | 40.1 |
| 9.5 | | 14 | 9 | 19.6 | 9.5 | | 37 | 0 | 31.8 | 9.5 | | 18 | 8 | 48.5 | 9.1 | 29 | 9 | 7 | 48.1 | 9.5 | | 57 | 0 | 45.0 |
| 9.5 | | 26 | 0 | 44.6 | 9.5 | | 49 | 0 | 14.3 | 9.4 | | 19 | 1 | 17.9 | 9.4 | | 16 | 0 | 6.2 | 9.3 | | 57 | 7 | 53.9 |
| 8.2 | | 36 | 8 | 20.6 L | 9.5 | | 59 | 0 | 31.7 | 9.4 | | 29 | 1 | 48.0 | 9.5 | | 20 | 5 | 34.6 | 9.5 | 37 | 1 | 6 | 59.8 |
| 9.5 | | 43 | 0 | 49.9 | 9.0 | 4 | 2 | 3 | 38.8 Kb | 9.0 | | 38 | 1 | 19.1 K | 9.0 | | 26 | 6 | 47.9 R | 9.0 | | 3 | 2 | 23.4 R |
| 9.1 | | 53 | 9 | 19.3 | 9.5 | | 10 | 9 | 48.1 | 9.2 | | 38 | 7 | 46.5 | 9.2 | | 32 | 1 | 55.6 K | 9.5 | | 3 | 6 | 59.7 |
| 9.5 | 48 | 1 | 0 | 5.0 | 9.5 | | 12 | 0 | 37.4 | 8.7 | | 56 | 9 | 23.5 K | 9.5 | | 41 | 0 | 31.1 | 9.5 | | 8 | 5 | 55.7 |
| 9.5 | | 17 | 0 | 19.2 | 9.5 | | 31 | 5 | 0.2 | 9.0 | | 58 | 1 | 34.0 | 9.5 | | 43 | 8 | 40.0 | 8.3 | | 10 | 9 | 40.1 L |
| 9.5 | | 29 | 5 | 56 1 | 7.7 | 5 | 27 | 1 | 3.2 K | 9.5 | 20 | 4 | 1 | 45.1 | 9.5 | 30 | 11 | 7 | 34.0 | 9.4 | | 15 | 6 | 14.4 B |
| 9.5 | | 51 | 8 | 8.5 | 9.4 | | 51 | 2 | 44.0 | 8.4 | | 35 | 6 | 11.3 K | 9.5 | | 17 | 0 | 6.3 | 9.5 | | 18 | 7 | 13.1 |
| 9.5 | 49 | 10 | 6 | 35.6 | 9.5 | 6 | 4 | 6 | 1.0 | 9.5 | | 37 | 9 | 22.9 | 7.0 | | 45 | 1 | 40.4 K | 8.0 | | 20 | 8 | 14.9 R |
| 9.5 | | 54 | 0 | 6.5 | 9.5 | | 27 | 0 | 13.6 | 9.4 | | 40 | 8 | 26.4 B | 9.5 | | 48 | 3 | 54.2 | 8.5 | | 24 | 1 | 12.9 L |
| 9.0 | 50 | 20 | 3 | 31.0 | 9.0 | | 29 | 3 | 19.3 K | 9.5 | | 44 | 0 | 40.2 | 9.4 | 31 | 9 | 8 | 0.6 | 9.0 | | 26 | 9 | 23.0 R |
| 9.5 | | 28 | 9 | 58.6 | 8.7 | | 52 | 8 | 32.5 K | 9.3 | | 47 | 1 | 44.0 | 9.4 | | 25 | 9 | 24.3 | 8.8 | 38 | 4 | 6 | 8.4 |
| 9.5 | 51 | 15 | 6 | 4.2 | 9.5 | 7 | 10 | 0 | 39.1 | 9.5 | 21 | 7 | 0 | 0.8 | 8.8 | | 28 | 0 | 15.2 K | 9.5 | | 16 | 5 | 10.4 |
| 9.3 | | 36 | 6 | 46.0 b | 9.5 | | 28 | 1 | 0.2 | 9.5 | | 12 | 9 | 2.3 | 8.7 | | 33 | 6 | 12.5 K | 8.7 | | 19 | 1 | 36.3 |
| 9.5 | | 49 | 0 | 31.7 | 9.5 | | 55 | 3 | 4.1 | 9.5 | | 19 | 6 | 56.2 | 9.2 | | 44 | 0 | 38.7 R | 8.3 | | 27 | 0 | 48.6 L |
| 9.0 | 52 | 5 | 0 | 0.6 K | 9.5 | 8 | 22 | 5 | 50.5 | 8.7 | | 27 | 1 | 15.4 K | 9.3 | 32 | 8 | 4 | 53.5 | 9.5 | | 36 | 6 | 12.8 |
| 9.5 | 53 | 7 | 8 | 33.2 B | 9.5 | | 35 | 4 | 38.0 | 9.3 | | 29 | 1 | 14.9 | 9.4 | | 21 | 2 | 35.2 R | 9.5 | | 43 | 5 | 7.0 |
| 8.6 | | 26 | 2 | 6.4 K | 9.5 | | 38 | 0 | 18.4 | 9.5 | | 37 | 2 | 28.3 | 9.5 | | 26 | 1 | 43.6 | 9.5 | | 53 | 1 | 15.1 |
| 9.5 | | 29 | 0 | 19.8 | 9.0 | | 54 | 3 | 31.8 | 9.2 | | 42 | 3 | 31.5 | 8.7 | | 26 | 5 | 14.7 K | 9.5 | 39 | 2 | 4 | 32.8 |
| 9.5 | | 44 | 1 | 50.4 | 9.5 | 9 | 6 | 1 | 1.5 | 9.5 | | 57 | 3 | 45.0 | 9.5 | | 37 | 0 | 49.9 | 9.5 | | 4 | 0 | 25.5 |
| 9.5 | | 51 | 4 | 17.8 | 9.5 | | 32 | 0 | 40.1 | 9.4 | 22 | 0 | 8 | 57.9 | 9.3 | | 47 | 6 | 3.4 | 9.5 | | 6 | 4 | 43.7 |
| 4.8 | 54 | 26 | 8 | 22.8 K | 9.5 | | 34 | 7 | 49.8 | 9.5 | | 3 | 8 | 23.9 B | 9.2 | | 49 | 8 | 59.1 | 9.5 | | 8 | 5 | 50.9 |
| 9.5 | 55 | 16 | 9 | 39.1 | 9 3 | | 41 | 9 | 7.3 | 9.5 | | 8 | 6 | 28.4 | 9.5 | | 52 | 9 | 26.1 | 9.5 | | 8 | 6 | 9.7 |
| 9.5 | | 24 | 7 | 36.7 | 7.8 | | 50 | 3 | 38.8 K | 9.5 | | 18 | 1 | 7.8 | 9.5 | 33 | 6 | 2 | 37.7 | 9.3 | | 12 | 6 | 55.2 |
| 8.2 | | 42 | 1 | 27.7 K | 9.5 | 10 | 13 | 6 | 7.7 | 9.5 | | 19 | 9 | 35.7 | 9.5 | | 10 | 1 | 17.9 | 9.5 | | 23 | 8 | 21.8 |
| 6.7 | | 43 | 6 | 4.6 K | 9.2 | | 28 | 2 | 34.0 K | 9.4 | | 22 | 5 | 30.3 | 9.0 | | 22 | 1 | 29.7 Kb | 8.5 | | 25 | 5 | 0.3 K |
| 9.5 | 56 | 5 | 0 | 58.5 | 5.5 | | 34 | 4 | 57.2 Kb | 9.5 | | 27 | 1 | 12 2 | 9 5 | | 23 | 3 | 37.7 | 9.3 | | 27 | 1 | 2.9 K |
| 9.5 | | 13 | 5 | 19.3 | 9.4 | | 38 | 4 | 35.6 B | 9.5 | | 28 | 6 | 8.8 B | 8.7 | | 24 | 5 | 30.0 K | 9.5 | | 41 | 7 | 34.5 |
| 9.5 | | 16 | 1 | 9.3 | 9.4 | | 54 | 7 | 26.9 | 9.5 | | 41 | 1 | 34.4 | 9.5 | | 32 | 9 | 18.2 | 9.5 | | 57 | 0 | 26.2 |
| 9.5 | 57 | 5 | 3 | 21.1 | 9.5 | 11 | 55 | 0 | 24.8 | 9.4 | | 45 | 8 | 19.8 | 9.5 | | 45 | 8 | 18.4 | 9.3 | | 57 | 1 | 57.5 |
| 9.5 | | 47 | 8 | 59.2 | 9.5 | | 56 | 6 | 9.4 B | 9.3 | 23 | 4 | 0 | 31.2 | 9.5 | | 53 | 0 | 56.5 | 9.4 | 40 | 12 | 8 | 41.2 |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 35.72 | 1.04 | | 10pr. | | 35.83 | 0.81 | | 10pr. | | 35.91 | 0.59 | | 10pr. | | 35.94 | 0.45 | | 10pr. | | 35.96 | 0.34 | |

| 1001—1060 | | | | | 1061—1120 | | | | | 1121—1180 | | | | | 1181—1240 | | | | | 1241—1300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵘ | | +21° | | | 5ᵘ | | +21° | | | 5ᵘ—6ᵘ | | +21° | | | 6ᵘ | | +21° | | | 6ᵘ | | +21° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 40 | 16.5 | 57.2 | | 9.5 | 49 | 25.5 | 6.7 | | 9.5 | 59 | 8.0 | 35.6 | | 9.5 | 9 | 3.8 | 15.6 | | 7.7 | 18 | 37.6 | 22.7 | K |
| 9.4 | | 25.2 | 1.9 | | 9.4 | | 43.0 | 1.8 | | 9.5 | | 8.7 | 57.4 | | 9.3 | | 13.0 | 31.0 | | 8.1 | | 40.1 | 3.5 | K |
| 7.9 | | 32.3 | 5.0 | K | 8.5 | | 47.1 | 28.3 | K | 9.4 | | 12.8 | 19.2 | B | 9.5 | | 15.2 | 26.2 | | 9.2 | | 54.1 | 58.8 | |
| 9.5 | | 32.5 | 35.4 | | 9.5 | | 56.7 | 28.0 | | 9.5 | | 15.8 | 37.7 | | 9.2 | | 21.9 | 53.6 | | 8.9 | 19 | 14.3 | 54.1 | K |
| 9.5 | | 38.7 | 26.3 | | 9.5 | 50 | 1.9 | 0.5 | | 7.8 | | 21.4 | 18.7 | L | 9.5 | | 29.6 | 8.3 | | 9.5 | | 15.5 | 58.4 | |
| 9.5 | | 41.0 | 33.4 | | 8.5 | | 5.1 | 12.7 | L | 9.4 | | 25.5 | 7.1 | | 9.0 | | 43.3 | 53.3 | | 9.5 | | 27.0 | 7.6 | |
| 9.0 | | 49.8 | 15.1 | K | 9.2 | | 6.8 | 38.6 | | 9.2 | | 44.9 | 47.6 | K | 9.5 | | 45.0 | 17.3 | | 8.1 | | 29.6 | 14.3 | L |
| 8.5 | | 55.1 | 46.4 | | 8.9 | | 9.0 | 45.8 | | 9.5 | | 46.0 | 8.6 | | 9.4 | | 49.6 | 42.8 | | 9.5 | | 36.0 | 46.5 | |
| 9.5 | 41 | 23.9 | 5.4 | | 9.3 | | 28.2 | 16.7 | | 9.5 | | 55.3 | 51.8 | | 9.1 | | 56.7 | 53.3 | | 9.5 | | 37.3 | 42.5 | |
| 9.5 | 42 | 2.1 | 14.9 | | 8.8 | | 37.6 | 44.4 | L | 9.3 | 0 | 13.1 | 38.5 | R | 8.1 | | 59.3 | 14.0 | L | 9.5 | | 48.9 | 13.9 | |
| 9.5 | | 57.1 | 29.7 | | 9.5 | | 43.7 | 2.5 | | 9.3 | | 33.5 | 34.3 | | 8.7 | 10 | 26.0 | 48.7 | | 9.0 | | 56.8 | 40.4 | |
| 9.0 | | 59.0 | 0.2 | | 7.2 | | 57.7 | 35.2 | R | 9.3 | | 42.4 | 54.6 | | 9.5 | | 35.1 | 19.3 | | 8.8 | 20 | 14.7 | 40.1 | B |
| 9.5 | 43 | 6.0 | 11.5 | | 9.4 | 51 | 25.2 | 59.9 | | 9.5 | | 45.5 | 23.6 | | 9.5 | | 56.4 | 58.7 | | 9.5 | | 26.0 | 27.0 | |
| 9.5 | | 13.8 | 15.1 | | 9.2 | | 40.0 | 55.0 | R | 9.4 | | 46.4 | 20.1 | | 9.4 | | 57.4 | 21.8 | | 9.5 | | 26.4 | 29.4 | |
| 9.5 | | 27.0 | 45.9 | | 9.5 | | 42.9 | 20.8 | | 9.4 | 1 | 1.7 | 50.4 | | 9.4 | 11 | 0.3 | 24.3 | B | 9.5 | | 29.5 | 34.0 | |
| 9.2 | | 38.9 | 53.4 | Bb | 9.5 | 52 | 6.5 | 23.4 | | 9.5 | | 14.3 | 1.0 | | 8.7 | | 4.2 | 31.8 | K | 9.3 | | 37.2 | 50.5 | |
| 9.3 | | 47.1 | 31.0 | | 9.5 | | 10.7 | 9.8 | | 8.7 | | 25.8 | 15.2 | | 9.3 | | 26.8 | 34.5 | | 9.5 | | 50.9 | 17.2 | |
| 9.5 | | 55.1 | 53.9 | | 9.5 | | 13.0 | 12.7 | | 9.5 | | 31.7 | 33.4 | B | 8.9 | | 46.1 | 35.7 | K | 9.2 | 21 | 1.5 | 17.3 | Bb |
| 9.4 | 44 | 2.9 | 47.3 | | 9.5 | | 14.1 | 1.5 | | 9.3 | | 40.2 | 42.1 | | 8.0 | | 51.7 | 8.8 | L | 9.5 | | 4.4 | 9.2 | |
| 8.9 | | 7.0 | 7.5 | | 9.5 | | 19.5 | 49.7 | | 9.3 | | 42.5 | 59.3 | | 9.4 | | 57.4 | 31.6 | | 9.5 | | 11.3 | 40.4 | |
| 9.2 | | 8.6 | 35.4 | | 9.5 | | 25.9 | 5.2 | | 9.4 | | 56.9 | 32.2 | | 9.5 | 12 | 17.1 | 43.0 | | 9.5 | | 15.1 | 4.0 | |
| 9.4 | | 12.4 | 26.5 | | 9.5 | | 49.0 | 27.4 | a | 9.4 | 2 | 20.8 | 24.9 | | 9.1 | | 30.6 | 11.6 | a | 9.2 | | 21.6 | 11.0 | |
| 9.5 | | 30.1 | 1.5 | | 9.5 | | 53.6 | 18.3 | | 7.8 | | 35.9 | 35.5 | K | 7.5 | | 34.4 | 11.6 | K | 9.5 | | 31.4 | 2.6 | |
| 9.5 | | 31.1 | 53.0 | | 9.5 | | 59.3 | 8.0 | R | 9.4 | | 42.9 | 9.7 | | 7.7 | | 41.5 | 16.0 | K | 8.7 | | 32.0 | 46.5 | B |
| 8.2 | | 33.5 | 30.3 | L | 9.4 | 53 | 0.2 | 49.7 | | 9.4 | | 59.9 | 39.5 | B | 9.4 | | 57.9 | 29.3 | | 9.5 | | 36.7 | 57.2 | |
| 9.5 | | 53.4 | 31.5 | | 8.6 | | 13.0 | 27.0 | R | 7.3 | 3 | 8.2 | 54.0 | K | 8.7 | 13 | 2.6 | 18.6 | K | 9.5 | | 37.5 | 10.8 | |
| 8.2 | | 54.8 | 7.5 | K | 9.5 | | 15.5 | 42.8 | | 9.2 | | 10.3 | 13.8 | | 9.4 | | 24.4 | 36.5 | | 9.5 | | 47.6 | 15.6 | |
| 9.5 | | 57.1 | 29.0 | | 9.4 | | 24.8 | 59.1 | | 9.5 | | 19.0 | 40.3 | | 9.0 | | 32.8 | 4.1 | | 8.1 | 22 | 16.0 | 53.8 | K |
| 9.5 | 45 | 14.0 | 29.3 | | 9.5 | | 26.7 | 52.6 | | 9.5 | | 35.0 | 57.5 | | 9.5 | 14 | 1.1 | 0.3 | | 9.5 | | 21.8 | 50.8 | |
| 8.7 | | 15.2 | 48.0 | Kb | 9.5 | | 29.9 | 13.9 | | 9.2 | | 39.3 | 57.3 | | 9.4 | | 11.9 | 17.0 | B | 8.6 | | 28.4 | 48.7 | K |
| 9.5 | | 26.7 | 51.2 | | 9.5 | | 50.5 | 56.9 | | 9.4 | | 53.5 | 43.9 | | 9.4 | | 20.3 | 15.9 | | * 9.2 | | 28.1 | 58.4 | |
| 9.5 | | 28.6 | 0.1 | | 9.2 | | 55.4 | 50.7 | | 9.5 | 4 | 1.3 | 20.8 | | 9.3 | | 20.4 | 33.3 | | 9.2 | | 32.7 | 53.8 | |
| 9.5 | | 30.1 | 37.9 | | 9.4 | | 55.8 | 7.5 | | 9.5 | | 4.5 | 57.0 | | 9.4 | | 25.1 | 13.2 | | 9.5 | | 34.8 | 48.4 | |
| 9.5 | | 45.3 | 54.5 | | 9.2 | | 57.2 | 52.9 | K | 9.3 | | 12.2 | 17.4 | K | 9.4 | | 27.4 | 29.1 | | 9.1 | 23 | 5.5 | 29.8 | |
| 9.5 | 46 | 4.5 | 53.0 | | 9.5 | | 57.7 | 29.8 | B | 9.5 | | 22.6 | 14.5 | | 9.5 | | 28.2 | 23.6 | | 9.3 | | 26.4 | 48.1 | |
| 9.5 | | 6.2 | 46.7 | | 9.5 | 54 | 58.0 | 55.6 | | 9.4 | | 24.1 | 56.5 | | 9.3 | | 29.1 | 55.6 | | 8.5 | | 44.4 | 32.5 | K |
| 7.8 | | 19.1 | 22.3 | L | 9.5 | 55 | 13.8 | 30.3 | | 9.5 | | 45.1 | 27.0 | | 9.5 | | 46.0 | 27.5 | | 8.8 | | 58.5 | 5.0 | K |
| 9.5 | | 31.0 | 53.7 | | 9.5 | | 15.4 | 55.2 | | 9.5 | 5 | 14.0 | 24.9 | | 9.1 | | 56.7 | 6.4 | | 9.3 | | 59.2 | 5.6 | a |
| 8.3 | | 35.2 | 2.9 | K | 8.1 | | 23.8 | 29.9 | K | 9.2 | | 16.1 | 27.5 | K | 9.5 | 15 | 5.5 | 41.3 | | 9.3 | 24 | 12.1 | 33.6 | |
| 9.5 | | 37.5 | 7.8 | | 9.5 | | 34.2 | 5.6 | B | 9.3 | | 22.0 | 58.5 | | 9.4 | | 19.6 | 11.8 | | 8.3 | | 12.5 | 31.4 | K |
| 9.5 | | 45.5 | 13.4 | | 9.4 | | 55.7 | 4.0 | | 9.4 | | 22.6 | 27.3 | | 9.5 | | 19.8 | 49.7 | | 8.4 | | 13.2 | 45.0 | |
| 9.5 | | 56.0 | 9.2 | | 8.7 | | 57.2 | 24.0 | K | 9.5 | | 24.3 | 51.5 | | 9.3 | | 51.8 | 2.0 | R | 9.5 | | 21.6 | 16.2 | |
| 9.5 | | 56.1 | 42.7 | | 9.5 | | 59.0 | 53.6 | | 7.8 | | 45.9 | 49.7 | K | 9.5 | | 52.5 | 51.6 | | 9.5 | | 51.1 | 56.8 | |
| 9.4 | 47 | 5.4 | 8.9 | | 9.5 | 56 | 1.3 | 25.4 | | 9.3 | | 49.1 | 39.0 | K | 9.3 | | 58.4 | 11.3 | | 8.6 | 25 | 6.7 | 9.6 | |
| 9.5 | | 19.1 | 47.9 | | 9.2 | | 20.5 | 52.4 | R | 9.5 | | 58.4 | 13.3 | | 9.5 | 16 | 4.0 | 16.9 | | 9.5 | | 19.2 | 48.5 | |
| 9.4 | | 33.3 | 32.7 | | 9.3 | | 23.0 | 39.0 | B | 9.5 | 6 | 0.7 | 29.1 | | 9.0 | | 20.1 | 21.5 | | 9.5 | | 36.8 | 36.9 | |
| 9.5 | | 35.6 | 8.5 | | 8.9 | | 24.3 | 38.0 | L | 9.1 | | 28.9 | 14.8 | R | 9.2 | | 26.4 | 34.0 | | 8.3 | | 39.9 | 32.9 | K |
| 9.5 | | 36.5 | 3.0 | B | 9.1 | | 29.2 | 50.9 | | 9.3 | | 48.5 | 17.5 | | 9.5 | | 29.3 | 41.1 | | 8.6 | | 47.0 | 31.9 | K |
| 9.2 | | 42.1 | 35.2 | K | 8.7 | | 35.6 | 23.4 | K | 9.5 | 7 | 0.3 | 45.9 | B | 8.7 | | 40.6 | 39.8 | | 8.5 | | 54.2 | 45.4 | |
| 9.5 | | 48.9 | 9.2 | | 9.4 | | 36.4 | 55.4 | | 9.5 | | 12.4 | 41.4 | | 8.5 | | 44.0 | 59.9 | | 9.5 | 26 | 20.4 | 13.4 | |
| 8.9 | 48 | 3.9 | 42.6 | K | 9.5 | | 53.5 | 9.4 | | 9.5 | | 13.0 | 35.6 | | 9.0 | | 53.3 | 36.5 | | 9.4 | | 33.6 | 8.1 | |
| 9.3 | | 7.3 | 24.1 | | 9.5 | 57 | 15.5 | 7.9 | | 9.0 | | 13.1 | 8.6 | K | 7.2 | 17 | 1.0 | 43.6 | Lb | 8.5 | | 46.3 | 32.4 | Kb |
| 9.0 | | 12.1 | 19.2 | | 9.1 | | 17.0 | 30.4 | K | 9.5 | | 22.9 | 22.3 | | 8.9 | | 12.1 | 53.3 | K | 9.4 | | 51.8 | 2.3 | |
| 9.2 | | 22.0 | 9.3 | | 9.4 | | 40.1 | 25.2 | | 9.0 | | 25.0 | 44.4 | K | 9.4 | | 18.0 | 28.0 | | 9.3 | | 59.9 | 1.5 | |
| 9.5 | | 29.1 | 25.9 | | 9.5 | | 54.4 | 13.9 | | 9.5 | | 28.0 | 56.7 | | 9.2 | | 20.2 | 6.7 | | 9.5 | 27 | 4.2 | 33.5 | |
| 8.9 | | 42.3 | 57.7 | K | 8.2 | | 59.2 | 53.8 | K | 9.5 | | 49.5 | 18.3 | | 9.5 | | 28.3 | 42.5 | | 9.3 | | 11.0 | 6.4 | |
| 9.3 | | 42.3 | 55.5 | | 9.5 | 58 | 18.1 | 15.5 | | 9.2 | 8 | 3.8 | 59.3 | | 9.5 | | 49.8 | 15.2 | | 9.3 | | 16.8 | 36.5 | |
| 9.3 | | 42.6 | 41.3 | | 9.4 | | 47.4 | 39.3 | | 8.8 | | 18.7 | 40.3 | K | 8.7 | | 51.3 | 41.5 | K | 9.1 | | 22.6 | 51.0 | |
| 9.5 | | 54.1 | 48.0 | | 9.4 | | 49.5 | 47.3 | | 9.5 | | 38.8 | 14.2 | | 9.5 | 18 | 19.8 | 4.8 | | 9.5 | | 39.6 | 11.4 | |
| 9.5 | 49 | 13.1 | 9.7 | | 8.0 | | 55.7 | 53.1 | K | 9.5 | | 56.2 | 14.6 | | 9.3 | | 27.9 | 33.3 | B | 8.7 | | 45.5 | 25.2 | K |
| | | + | + | | | | + | + | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.98 | 0.22 | | 10pr. | | 35.98 | 0.09 | | 10pr. | | 35.99 | 0.06 | | 10pr. | | 35.98 | 0.21 | | 10pr. | | 35.96 | 0.33 | |

1270ᵃ
8.8 | 22 27.1 | 48.8

| 1301—1360 | | | | | 1361—1420 | | | | | 1421—1480 | | | | | 1481—1540 | | | | | 1541—1600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6h | | +21° | | | 6h | | +21° | | | 6h | | +21° | | | 6h–7h | | +21° | | | 7h | | +21° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 27 | 46.2 | 7.8 | | 9.5 | 35 | 43.7 | 11.7 | | 9.4 | 44 | 50.0 | 7.0 | | 8.4 | 54 | 31.8 | 22.9 | L | 9.5 | 4 | 8.2 | 44.6 | |
| 9.5 | | 47.3 | 36.7 | | 9.2 | | 58.8 | 2.5 | | 9.0 | 45 | 4.5 | 2.8 | | 9.5 | | 34.0 | 55.5 | | 7.7 | | 9.0 | 34.5 | K |
| 9.5 | 28 | 2.1 | 52.9 | | 9.4 | 36 | 22.0 | 29.0 | | 9.4 | | 5.1 | 22.5 | | 9.4 | | 52.9 | 48.5 | | 9.5 | | 15.2 | 26.7 | |
| 8.8 | | 2.5 | 45.8 | Kb | 9.4 | | 34.9 | 53.0 | | 9.3 | | 11.1 | 14.0 | | 8.6 | | 55.8 | 39.5 | K | 9.5 | | 34.0 | 9.0 | |
| 9.3 | | 26.5 | 14.4 | | 9.3 | | 37.3 | 12.4 | | 9.2 | | 16.4 | 3.8 | | 9.5 | | 57.0 | 2.2 | | 9.5 | 5 | 20.7 | 41.7 | |
| 9.2 | | 27.6 | 3.4 | | 9.4 | | 42.6 | 57.5 | | 7.3 | | 41.8 | 20.2 | R | 9.3 | 55 | 9.9 | 41.3 | K | 9.5 | | 26.4 | 5.3 | |
| 9.5 | | 28.3 | 6.0 | | 9.5 | | 50.5 | 14.6 | | 9.4 | 46 | 9.8 | 51.3 | | 9.3 | | 13.8 | 36.7 | K | 9.5 | | 49.2 | 37.0 | |
| 8.7 | | 55.1 | 49.6 | K | 9.3 | | 56.4 | 40.0 | | 7.4 | | 15.6 | 44.4 | L | 9.5 | | 25.2 | 50.9 | | 9.2 | | 57.9 | 43.8 | b |
| 9.5 | | 56.6 | 11.8 | | 9.3 | | 58.6 | 34.2 | | 9.2 | | 23.7 | 48.4 | L | 9.3 | | 25.7 | 39.5 | | 9.5 | | 59.2 | 43.0 | |
| 9.0 | 29 | 3.6 | 34.2 | B | 9.4 | 37 | 17.8 | 41.6 | | 9.3 | | 25.8 | 10.0 | | 9.5 | | 35.0 | 19.5 | | 9.5 | | 59.8 | 10.8 | |
| 9.5 | | 4.4 | 33.4 | | 9.4 | | 34.2 | 57.5 | B | 8.8 | | 30.7 | 46.8 | L | 9.4 | | 37.4 | 14.3 | | 9.2 | 6 | 25.0 | 33.1 | |
| 8.3 | | 38.6 | 58.6 | K | 8.7 | | 35.0 | 40.8 | B | 9.4 | | 53.0 | 54.2 | | 9.5 | | 39.6 | 59.7 | | 9.4 | | 31.6 | 44.1 | B |
| 9.5 | | 38.8 | 12.2 | B | 9.3 | | 42.3 | 19.2 | | 9.5 | 47 | 19.5 | 42.2 | | 9.2 | | 52.0 | 22.8 | | 9.4 | | 49.3 | 51.7 | B |
| 8.8 | | 40.5 | 41.1 | K | 9.3 | | 43.4 | 39.1 | | 9.3 | | 45.2 | 34.5 | h | 9.5 | | 54.9 | 29.7 | | 9.5 | 7 | 15.3 | 37.3 | |
| 9.5 | | 57.8 | 44.0 | | 9.1 | | 47.7 | 1.5 | | 9.1 | | 48.8 | 7.9 | h | 9.3 | | 57.0 | 13.6 | K | 9.0 | | 37.2 | 21.5 | |
| 9.5 | 30 | 16.3 | 33.9 | | 9.5 | 38 | 2.1 | 9.7 | | 9.5 | | 55.8 | 39.0 | | 9.4 | 56 | 3.1 | 9.2 | B | 9.3 | | 37.8 | 5.9 | |
| 9.3 | | 31.0 | 22.6 | | 8.9 | | 4.1 | 2.9 | | 7.8 | 48 | 10.2 | 9.1 | K | 9.4 | | 8.2 | 4.8 | | 9.5 | | 42.0 | 40.0 | |
| 8.9 | | 34.0 | 24.1 | | 9.5 | | 29.0 | 5.2 | | 9.5 | | 12.6 | 22.1 | | 9.4 | | 11.5 | 15.6 | | 9.5 | | 52.2 | 48.5 | |
| 9.5 | | 37.4 | 0.7 | | 9.4 | | 36.6 | 54.1 | | 9.3 | | 34.9 | 10.7 | K | 9.5 | | 14.4 | 26.8 | | 9.3 | 8 | 9.1 | 41.6 | B |
| 9.5 | | 38.3 | 49.7 | | 8.8 | | 42.9 | 45.9 | K | 9.5 | | 35.5 | 53.0 | | 9.5 | | 22.2 | 59.1 | | 8.8 | | 15.6 | 59.9 | |
| 9.0 | | 41.0 | 24.6 | | 9.4 | | 44.1 | 16.8 | | 9.4 | | 40.4 | 23.7 | | 9.5 | | 39.5 | 14.6 | | 9.5 | | 25.3 | 15.2 | |
| 9.3 | 31 | 3.4 | 0.8 | | 9.0 | 39 | 3.7 | 33.2 | | 9.0 | | 42.0 | 58.6 | | 9.4 | | 57.5 | 22.1 | | 9.5 | | 27.2 | 7.7 | |
| 9.5 | | 8.3 | 4.8 | | 7.6 | | 5.7 | 50.7 | K | 9.2 | 49 | 1.0 | 4.7 | | 8.2 | 57 | 3.6 | 12.2 | K | 9.5 | | 42.2 | 42.5 | |
| 9.5 | | 21.0 | 31.3 | | 9.5 | | 12.9 | 15.8 | | 9.5 | | 3.5 | 55.2 | | 9.0 | | 4.3 | 54.6 | B | 8.1 | | 43.3 | 0.1 | K |
| 9.1 | | 46.6 | 18.0 | B | 9.5 | | 16.8 | 43.3 | | 9.3 | | 4.8 | 12.3 | K | 9.3 | | 38.9 | 33.3 | | 9.0 | | 43.7 | 14.8 | K |
| 9.5 | | 46.7 | 57.0 | | 9.4 | | 23.9 | 30.5 | | 9.5 | | 19.2 | 55.2 | | 9.5 | | 43.8 | 40.6 | | 8.5 | 9 | 1.2 | 31.5 | K |
| 9.5 | | 50.6 | 5.3 | | 9.0 | | 32.6 | 0.3 | B | 8.5 | | 24.3 | 26.8 | K | 8.8 | 58 | 7.1 | 6.3 | | 9.3 | | 45.4 | 28.0 | R |
| 9.5 | 32 | 0.8 | 56.6 | | 8.0 | 40 | 9.9 | 30.6 | K | 8.7 | | 28.1 | 17.3 | K | 9.5 | | 27.2 | 41.2 | | 9.5 | 10 | 21.4 | 37.7 | |
| 8.4 | | 3.3 | 4.2 | K | 9.2 | | 15.2 | 34.9 | K | 9.4 | | 37.8 | 45.8 | | 9.1 | | 27.8 | 9.5 | | 9.2 | | 25.7 | 51.7 | |
| 9.4 | | 4.9 | 14.8 | | 9.5 | | 17.4 | 34.5 | B | 9.3 | 50 | 0.0 | 44.2 | | 9.5 | | 46.0 | 22.2 | | 9.5 | | 35.3 | 46.5 | |
| 9.1 | | 12.8 | 5.8 | | 9.3 | | 46.7 | 49.8 | B | 9.5 | | 10.8 | 2.8 | | 9.5 | | 46.2 | 42.5 | | 9.3 | | 37.2 | 30.1 | |
| 9.5 | | 22.9 | 14.8 | | 9.4 | 41 | 3.0 | 26.6 | | 9.5 | | 10.8 | 4.7 | | 8.9 | | 48.5 | 6.9 | ✓ | 8.7 | | 37.7 | 13.1 | K |
| 9.5 | | 38.5 | 22.0 | | 9.5 | | 11.7 | 51.8 | | 7.9 | | 11.6 | 48.5 | B | 9.5 | 59 | 15.4 | 48.9 | | 9.5 | | 50.3 | 3.2 | |
| 9.5 | | 40.8 | 36.8 | | 9.3 | | 16.5 | 7.7 | | 9.4 | | 16.6 | 53.0 | | 9 4 | | 29.3 | 25.2 | | 8.6 | 11 | 18.9 | 24.2 | K |
| 9.4 | | 49.4 | 49.2 | | 9.4 | | 44.6 | 5.4 | | 8.2 | | 18.2 | 15.4 | Kb | 9.2 | | 41.9 | 28.1 | Bb | 8.5 | | 23.2 | 6.2 | B |
| 9.4 | | 52.9 | 30.6 | B | 9.0 | | 50.2 | 24.2 | | 9.1 | | 44.1 | 19.2 | B | 8.2 | | 43.3 | 5.0 | K | 9.5 | | 45.2 | 5.8 | B |
| 9.5 | | 53.4 | 30.9 | | 9.5 | 42 | 2.4 | 56.7 | | 9.3 | | 46.8 | 0.5 | | 9.5 | | 51.5 | 41.3 | B | 9.5 | 12 | 18.2 | 43.2 | |
| 9.5 | | 54.6 | 59.1 | | 9.4 | | 7.6 | 3.9 | | 9.5 | | 52.7 | 22.6 | | 9.1 | 0 | 3.8 | 1.8 | K | 9.5 | | 40.1 | 42.6 | |
| 8.8 | 33 | 7.0 | 19.2 | Lb | 8.9 | | 27.3 | 34.9 | | 8.5 | | 55.4 | 13.4 | K | 9.5 | | 15.2 | 43.9 | | 9.2 | | 43.3 | 1.4 | |
| 9.4 | | 9.9 | 0.5 | | 9.2 | | 32.8 | 43.0 | | 9.5 | 51 | 27.6 | 54.0 | | 9.5 | | 17.3 | 6.0 | | 9.2 | 13 | 1.7 | 34.5 | a |
| 9.5 | | 12.3 | 2.5 | | 9.5 | | 34.1 | 15.3 | | 8.7 | | 28.8 | 17.7 | K | 9.4 | | 22.9 | 45.9 | B | 9.2 | | 22.8 | 23.6 | b |
| 9.5 | | 24.0 | 19.9 | | 9.5 | | 43.4 | 14.9 | | 9.3 | | 47.9 | 26.8 | | 9.5 | | 29.8 | 40.4 | | 9.5 | | 44.6 | 12.0 | |
| 9.4 | | 34.3 | 59.3 | | 9.0 | | 44.5 | 4.0 | B | 9.3 | | 49.6 | 29.9 | B | 9.5 | | 41.0 | 11.5 | | 9.5 | 14 | 24.6 | 15.1 | |
| 9.3 | | 47.2 | 39.9 | | 9.2 | | 49.8 | 12.9 | | 9.4 | 52 | 4.4 | 41.4 | | 9.0 | | 45.0 | 49.8 | L | 9.5 | | 45.5 | 4.7 | |
| 9.5 | | 53.6 | 7.9 | | 6.0 | | 51.6 | 56.2 | Kb | 9.3 | | 7.1 | 9.6 | | 9.4 | 1 | 8.2 | 26.9 | B | 9.5 | | 45.8 | 17.7 | |
| 9.4 | | 59.1 | 13.0 | B | 9.2 | | 55.3 | 23.4 | B | 9.5 | | 32.3 | 2.5 | | 9.5 | | 12.7 | 8.9 | | 9.0 | 15 | 0.7 | 49.9 | K |
| 9.5 | 34 | 11.5 | 12.2 | | 9.2 | | 56.6 | 6.1 | | 9.5 | | 45.9 | 4.3 | | 8.7 | | 27.2 | 40.4 | K | 9.3 | | 2.3 | 35.4 | B |
| 9.1 | | 17.2 | 43.6 | R | 9.5 | 43 | 2.4 | 51.7 | | 9.5 | | 52.5 | 54.8 | | 7.0 | | 31.0 | 29.4 | K | 8.9 | | 17.4 | 58.7 | K |
| 9.4 | | 28.2 | 5.0 | | 9.4 | | 6.4 | 21.2 | | 9.3 | 53 | 3.9 | 42.5 | | 9.1 | | 43.3 | 6.0 | | 8.0 | | 31.9 | 43.5 | K |
| 9.4 | | 33.5 | 5.1 | | 9.5 | | 8.5 | 21.9 | | 9.3 | | 9.0 | 47.4 | | 9.5 | | 45.2 | 11.5 | | 9.2 | | 37.5 | 4.8 | K |
| 9.0 | | 45.9 | 41.9 | ✓ | 9.4 | | 20.2 | 5.0 | | 8.0 | | 24.2 | 59.9 | K | 9.4 | | 50.6 | 11.9 | B | 9.5 | | 39.6 | 43.5 | |
| 9.0 | | 47.4 | 42.1 | ✓ | 9.5 | | 28.1 | 17.1 | | 7.9 | | 36.6 | 1.8 | Kb | 9.5 | 2 | 11.0 | 35.9 | | 9.5 | 16 | 1.2 | 9.2 | |
| 9.3 | | 55.0 | 59.5 | | 9.3 | | 39.8 | 39.6 | K | 9.2 | | 37.9 | 58.3 | B | 9.5 | | 19.0 | 54.5 | | 9.5 | | 30.4 | 48.0 | |
| 9.4 | | 55.4 | 39.7 | | 9.5 | | 40.2 | 5.0 | | 9.4 | | 56.4 | 41.9 | | 9.2 | | 24.8 | 57.9 | | 9.5 | 17 | 39.2 | 36.3 | |
| 9.0 | 35 | 11.2 | 5.6 | | 9.5 | 44 | 25.7 | 42.6 | | 9.4 | 54 | 0.0 | 1.1 | | 9.2 | | 26.3 | 45.9 | Kb | 9.5 | | 48.5 | 12.9 | |
| 9.3 | | 13.1 | 12.8 | | 9 5 | | 28.3 | 2.4 | | 9.3 | | 3.7 | 57.0 | K | 9.5 | | 30.4 | 41.3 | | 6.8 | 18 | 16.4 | 49.8 | K |
| 9.5 | | 18.8 | 55.8 | | 9.2 | | 32.9 | 29.5 | K | 9.5 | | 6.8 | 7.4 | | 9.5 | | 32.4 | 44.2 | | 8.6 | | 22.1 | 19.1 | |
| 8.8 | | 22.3 | 3.8 | L | 9.2 | | 44.2 | 37.1 | B | 9.5 | | 12.4 | 22.5 | | 9.5 | | 43.9 | 26.6 | | 9.4 | | 30.5 | 5.9 | B |
| 9.5 | | 32.5 | 16.4 | B | 8.5 | | 44.7 | 53.8 | K | 9.4 | | 14.1 | 14.2 | | 9.2 | | 55.4 | 57.6 | | 9.3 | | 36.8 | 42.8 | K |
| 9.3 | | 39.6 | 58.5 | | 9.0 | | 47.8 | 41.7 | K | 9.5 | | 20.0 | 34.4 | | 8.5 | 4 | 2.2 | 11.7 | K | 9.4 | | 40.5 | 6.3 | |
| | | + | − | | | | + | − | | | | + | − | | | | + | − | | | | + | − | |
| 10pr. | | 35.93 | 0.47 | | 10pr. | | 35.91 | 0.59 | | 10pr. | | 35.86 | 0.72 | | 10pr. | | 35.82 | 0.85 | | 10pr. | | 35.74 | 1.02 | |

| 1601—1660 | | | | | 1661—1720 | | | | | 1721—1780 | | | | | 1781—1840 | | | | | 1841—1900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7u | | +21° | | | 7u | | +21° | | | 7u—8u | | +21° | | | 8u | | +21° | | | 8u | | +21° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 18 | 51.3 | 2.1 | | 8.2 | 32 | 37.5 | 47.5 | | 9.5 | 47 | 49.7 | 34.0 | | 9 3 | 3 | 32.7 | 28.5 | K | 9.5 | 18 | 50.7 | 25.8 | |
| 5.8 | 19 | 7.8 | 44.3 | K | 9.5 | | 54.9 | 10.6 | | 9.5 | | 50.7 | 47.8 | | 9.5 | | 38.3 | 15.2 | | 8.5 | 19 | 6.0 | 56.4 | K |
| 9.5 | | 27.3 | 8.5 | | 9.1 | 33 | 8.0 | 58.5 | | 9.4 | | 56.8 | 43.0 | | 9.1 | | 49.5 | 22.5 | K | 9.5 | | 6.3 | 20.0 | |
| 9.3 | | 28.1 | 3.6 | K | 9.5 | | 12.2 | 13.9 | | 7.5 | 48 | 34.8 | 20.7 | K | 9.5 | | 55.0 | 31.9 | | 6.8 | | 41.1 | 38.2 | K |
| 9.4 | | 46.8 | 18.3 | | 9.5 | | 25.8 | 3.0 | | 9.5 | 49 | 0.0 | 1.6 | B | 9.5 | 4 | 8.0 | 31.9 | | 9.5 | 20 | 28.8 | 33.5 | |
| 7.4 | | 49.7 | 50.9 | K | 9.5 | | 31.8 | 53.4 | | 9.5 | | 24.3 | 45.4 | | 9.2 | | 42.4 | 46.2 | | 9.3 | | 47.2 | 47.8 | |
| 9.0 | 20 | 7.7 | 58.2 | K | 9.5 | | 35.9 | 42.1 | | 9.4 | | 27.2 | 25.5 | | 9.4 | | 49.8 | 31.0 | | 9.5 | | 53.8 | 11.6 | |
| 9.5 | | 28.2 | 26.1 | | 8.5 | | 41.2 | 17.9 | b | 9.5 | | 27.7 | 38.1 | | 9.3 | | 53.2 | 32.6 | B | 9.2 | 21 | 19.9 | 16.5 | |
| 9.1 | | 35.8 | 12.0 | | 9.5 | | 52.8 | 26.7 | | 9.5 | | 47.3 | 58.6 | | 9.5 | 5 | 3.6 | 27.8 | B | 9.3 | | 24.5 | 13.4 | |
| 8.0 | | 36.0 | 13.8 | B | 9.5 | 34 | 9.2 | 52.0 | | 8.3 | 50 | 23.2 | 33.7 | R | 9.1 | | 27.5 | 47.9 | | 9.5 | | 45.1 | 57.9 | |
| 9.1 | | 51.9 | 55.5 | K | 9.3 | | 39.6 | 14.2 | K | 8.5 | 51 | 1.2 | 15.9 | Kb | 9.5 | | 49.7 | 28.5 | | 9.5 | | 51.2 | 28.5 | |
| 9.5 | 21 | 8.4 | 15.8 | | 9.5 | | 42.3 | 8.6 | | 9.2 | | 26.9 | 37.8 | K | 7.0 | | 59.1 | 6.9 | L | 9.3 | | 53.9 | 38.6 | |
| 9.5 | | 10.5 | 8.6 | | 9.5 | | 42.7 | 17.5 | | 9.5 | | 41.5 | 55.0 | | 9.4 | 6 | 11.4 | 3.2 | | 8.9 | | 54.8 | 19.7 | L |
| 8.1 | | 40.7 | 4.9 | K | 9.5 | 35 | 5.3 | 22.8 | | 9.0 | | 57.2 | 44.8 | K | 9.5 | | 17.9 | 50.5 | | 9.0 | 22 | 21.0 | 58.2 | Kb |
| 9.5 | | 49.3 | 19.6 | | 9.4 | | 40.7 | 0.2 | | 9.5 | 52 | 6.0 | 57.9 | | 8 4 | | 26.1 | 29.4 | L | 9.1 | | 30.4 | 6.7 | L |
| 9.1 | | 53.9 | 8.9 | K | 9.4 | 36 | 44.1 | 23.7 | | 9.5 | | 19.8 | 46.6 | | 9.5 | | 30.4 | 28.0 | | 9.5 | | 35.1 | 47.2 | |
| 9.5 | 22 | 15.8 | 54.1 | | 8.3 | | 45.0 | 12.3 | | 8.5 | | 22.8 | 25.5 | L | 9.5 | | 38.7 | 58.2 | | 9.3 | | 37.2 | 15.1 | |
| 9.3 | | 28.7 | 14.7 | Kb | 9.5 | | 49.6 | 31.5 | B | 9.5 | | 32.7 | 4.3 | | 9.1 | 7 | 2.1 | 51.6 | K | 9.5 | | 39.5 | 52.8 | B |
| 9.2 | | 31.0 | 7.0 | | 7.5 | 37 | 33.8 | 28.1 | L | 9.5 | | 42.8 | 26.4 | | 8.8 | | 13.2 | 42.7 | K | 9.2 | | 39.8 | 41.4 | |
| 9.5 | | 38.5 | 23.1 | | 9.5 | | 45.4 | 0.8 | | 9.4 | 53 | 1.7 | 27.3 | | 8.4 | | 21.8 | 9.7 | L | 9.2 | | 56.9 | 51.9 | K |
| 9.5 | | 48.9 | 35.6 | | 9.5 | | 45.4 | 2.3 | | 9.5 | | 17.9 | 8.1 | | 9.5 | | 21.8 | 39.7 | | 9.5 | 23 | 17.8 | 8.5 | |
| 9.5 | | 50.6 | 8.1 | | 9.5 | 38 | 23.9 | 52.1 | | 9.3 | | 28.8 | 59.9 | R | 9.3 | 8 | 10.9 | 26.6 | | 9.4 | | 44.1 | 15.7 | B |
| 9.4 | | 50.9 | 31.9 | | 9.0 | | 26.4 | 5.5 | | 9.5 | 54 | 16.9 | 53.7 | | 7.3 | | 16.6 | 40.4 | K | 9.5 | 24 | 41.9 | 3.2 | |
| 9.4 | 23 | 0.1 | 40.6 | | 9.4 | | 44.6 | 53.4 | | 9.0 | | 20.5 | 19.7 | K | 8.5 | | 46.6 | 37.6 | K | 9.5 | 25 | 11.0 | 32.1 | |
| 9.4 | | 2.8 | 58.2 | B | 9.4 | | 52.4 | 4.8 | | 9.5 | | 20.8 | 28.0 | | 8.6 | 9 | 23.8 | 36.9 | K | 9.5 | | 54.4 | 1.0 | |
| 9.2 | | 2.8 | 30.4 | B | 8.0 | 39 | 12.8 | 17.0 | K | 9.3 | | 37.4 | 8.1 | | 9.3 | | 39.1 | 12.8 | Kb | 8.3 | 26 | 13.4 | 58.0 | L |
| 9.5 | | 19.1 | 57.8 | | 9.4 | | 12.8 | 10.1 | | 9.5 | | 40.3 | 32.3 | | 8.0 | 10 | 24.7 | 55.8 | K | 8.9 | | 19.5 | 3.5 | K |
| 9.5 | | 46.7 | 51.6 | | 8.6 | | 15.7 | 51.4 | K | 9.4 | 55 | 26.3 | 38.2 | | 9.5 | | 42.5 | 23.8 | | 9.0 | | 26.0 | 58.9 | |
| 8.5 | | 48.7 | 24.5 | K | 7.9 | | 22.8 | 23.8 | K | 9.3 | | 28.0 | 43.7 | B | 9.0 | | 42.7 | 36.8 | K | 9.4 | | 39.9 | 9.1 | aB |
| 7.1 | | 57.8 | 42.4 | K | 8.9 | | 36.5 | 35.5 | K | 9.3 | | 33.1 | 31.1 | | 8.2 | | 56.4 | 42.4 | K | 9.3 | | 40.0 | 53.5 | |
| 9.4 | | 58.6 | 5.7 | B | 9.5 | | 58.2 | 25.9 | | 9.5 | | 46.1 | 45.7 | | 9.3 | | 58.7 | 48.5 | | 8.6 | | 54.4 | 3.2 | K |
| 9.3 | | 58.9 | 38.9 | B | 9.4 | 40 | 4.5 | 17.9 | | 9.1 | | 51.8 | 8.7 | | 8.0 | 11 | 16.1 | 23.9 | L | 9.0 | 27 | 20.0 | 19.3 | K |
| 9.4 | | 59.4 | 1.5 | | 8.0 | | 13.2 | 8.9 | B | 7.0 | | 56.8 | 26.1 | K | 9.5 | | 16.5 | 26.0 | | 9.4 | | 23.4 | 42.8 | B |
| 9.1 | 24 | 18.6 | 44.8 | K | 9.5 | | 45.3 | 3.8 | | 9.4 | 56 | 3.1 | 39.0 | | 9.5 | | 30.4 | 53.4 | | 9.1 | 28 | 2.7 | 48.7 | |
| 9.5 | | 33.7 | 2.7 | | 9.5 | 41 | 18.4 | 56.5 | | 9.5 | | 14.3 | 41.5 | | 9.5 | | 35.8 | 39.7 | | 8.8 | | 12.5 | 41.6 | L |
| 8.7 | 25 | 25.4 | 25.5 | K | 9.5 | 42 | 28.3 | 21.9 | B | 9.5 | | 18.1 | 6.7 | | 9.0 | | 48.8 | 25.6 | | 9.5 | 29 | 2.5 | 9.4 | |
| 8.9 | | 29.8 | 17.6 | K | 9.4 | | 34.1 | 12.7 | | 9.1 | 57 | 7.1 | 12.5 | K | 6.0 | | 53.4 | 10.3 | R | 9.5 | | 50.1 | 58.6 | |
| 8.8 | | 47.8 | 55.5 | | 9.1 | | 45.8 | 11.4 | b | 9.5 | | 18.1 | 28.2 | | 9.3 | | 54.8 | 54.6 | | 9.2 | 30 | 22.3 | 39.5 | K |
| 9.3 | 26 | 11.5 | 4.3 | | 9.4 | | 47.3 | 18.8 | | 9.4 | | 18.2 | 50.9 | | 9.3 | | 4.7 | 19.5 | | 9.3 | | 34.6 | 17.7 | K |
| 9.0 | | 23.0 | 37.5 | K | 9.5 | | 59.8 | 3.8 | | 9.2 | | 19.5 | 12.7 | K | 8.8 | | 29.6 | 42.4 | | 8.6 | | 44.8 | 18.3 | K |
| 9.3 | | 34.8 | 34.7 | K | 9.5 | 43 | 4.4 | 32.0 | | 9.4 | | 32.5 | 42.0 | | 9.5 | | 38.0 | 11.4 | | 9.3 | 31 | 6.2 | 49.1 | |
| 9.5 | 27 | 7.3 | 57.5 | | 9.2 | | 6.8 | 25.9 | | 9.4 | | 35.0 | 37.0 | | 9.1 | | 44.3 | 33.7 | B | 8.9 | | 30.0 | 4.3 | |
| 9.4 | | 22.8 | 44.1 | B | 9.5 | | 12.0 | 54.8 | | 7.9 | 58 | 31.8 | 17.6 | K | 9.3 | | 59.7 | 31.8 | | 9.2 | | 43.7 | 35.0 | |
| 9.5 | | 46.4 | 28.1 | | 9.4 | | 21.6 | 57.3 | | 9.3 | 59 | 45.8 | 31.7 | | 9.4 | 13 | 5.1 | 8.0 | | 9.2 | | 58.8 | 21.2 | |
| 9.4 | 28 | 9.4 | 13.0 | | 9.5 | | 37.2 | 54.2 | B | 9.5 | | 51.4 | 36.5 | | 8.9 | | 43.3 | 52.8 | K | 9.3 | 32 | 0.7 | 37.6 | K |
| 8.8 | | 26.4 | 28.3 | K | 9.2 | | 44.6 | 31.8 | K | 9.2 | 0 | 1.1 | 0.9 | K | 9.5 | | 47.7 | 22.9 | | 9.2 | | 16.5 | 44.0 | K |
| 8.5 | | 38.4 | 41.4 | K | 9.0 | | 51.8 | 38.6 | K | 9.4 | | 8.8 | 16.4 | B | 9.5 | 14 | 25.7 | 56.8 | | 9.5 | | 38.6 | 20.4 | |
| 9.3 | 29 | 5.1 | 20.1 | B | 9.1 | 44 | 51.4 | 11.8 | K | 9.2 | | 55.8 | 52.0 | Kb | 9.2 | | 30.5 | 0.9 | K | 9.5 | | 44.5 | 45.3 | |
| 9.5 | | 27.7 | 11.3 | | 9.5 | 45 | 0.2 | 53.2 | | 9.0 | | 58.8 | 47.5 | K | 9.3 | 15 | 26.3 | 51.0 | K | 9.5 | 33 | 3.8 | 54.7 | |
| 9.5 | | 40.3 | 57.2 | | 9.3 | | 1.3 | 32.3 | | 9.5 | 1 | 5.9 | 3.5 | | 9.5 | | 33.8 | 22.5 | | 9.5 | | 16.3 | 30.7 | |
| 9.1 | | 41.0 | 47.1 | B | 9.5 | | 2.4 | 17.8 | | 9.5 | | 17.7 | 40.9 | | 9.5 | | 45.7 | 36.1 | | 9.3 | | 17.9 | 11.6 | K |
| 9.1 | 30 | 2.6 | 59.1 | K | 9.3 | | 26.5 | 26.5 | B | 9.2 | | 26.8 | 7.9 | B | 9.5 | | 51.7 | 59.5 | | 9.5 | 34 | 26.8 | 59.2 | |
| 9.3 | | 8.5 | 36.5 | | 9.5 | | 33.8 | 38.8 | | 9.5 | | 31.6 | 10.7 | | 9.5 | | 52.8 | 47.5 | | 9.2 | | 27.7 | 44.2 | |
| 9.1 | | 12.0 | 35.6 | Bb | 7.2 | | 40.5 | 28.7 | K | 9.5 | | 50.0 | 1.1 | | 9.5 | 17 | 8.4 | 2.9 | | 9.1 | | 31.5 | 20.2 | K |
| 9.4 | | 15.5 | 39.4 | | 9.1 | 46 | 13.8 | 12.4 | K | 9.5 | | 59.6 | 1.8 | | 9.0 | | 17.9 | 39.2 | | 4.5 | | 54.1 | 59.4 | Rb |
| 9.5 | | 36.2 | 7.8 | | 9.5 | 47 | 20.7 | 57.2 | | 9.4 | 2 | 17.2 | 2.0 | B | 9.5 | | 33.3 | 36.8 | | 8.7 | | 55.5 | 7.9 | K |
| 9.5 | | 45.0 | 13.3 | | 9.1 | | 27.3 | 46.2 | | 9.3 | | 17.6 | 15.6 | B | 9.5 | | 36.2 | 18.0 | | 9.2 | | 59.7 | 59.8 | B |
| 9.0 | | 52.8 | 9.2 | | 9.5 | | 32.9 | 1.8 | | 9.5 | | 23.0 | 3.6 | | 9.2 | 18 | 11.9 | 44.4 | K | 9.3 | 35 | 28.3 | 42.5 | K |
| 9.2 | 31 | 16.9 | 59.1 | K | 8.3 | | 44.2 | 10.8 | | 9.1 | | 24.8 | 11.3 | K | 9.4 | | 13.5 | 53.7 | | 8.5 | | 57.3 | 23.8 | L |
| 9.5 | 32 | 5.1 | 12.4 | | 9.0 | | 48.3 | 54.3 | | 9.5 | | 54.8 | 40.7 | | 9.0 | | 47.8 | 46.9 | K | 9.5 | 36 | 17.9 | 38.2 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.63 | 1.20 | | 10pr. | | 35.49 | 1.41 | | 10pr. | | 35.33 | 1.61 | | 10pr. | | 35.15 | 1.81 | | 10pr. | | 34.93 | 1.99 | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ | | +21° | | | 8ᵘ—9ᵘ | | +21° | | | 9ᵘ | | +21° | | | 9ᵘ | | +21° | | | 9ᵘ—10ᵘ | | +21° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.4 | 36 | 38.4 | 51.7 | | 9.0 | 53 | 57.5 | 32.1 | K | 9.2 | 15 | 8.5 | 55.4 | | 9.5 | 33 | 45.3 | 16.9 | | 9.5 | 52 | 17.5 | 31.6 | |
| 9.3 | | 51.7 | 31.5 | K | 9.4 | 54 | 8.7 | 49.9 | | 9.5 | 16 | 15.0 | 59.4 | | 9.5 | 34 | 6.8 | 56.9 | | 9.0 | 53 | 16.4 | 42.6 | R |
| 9.3 | 37 | 7.4 | 1.0 | | 9.5 | | 58.4 | 33.4 | | 9.3 | | 21.1 | 49.8 | | 9.5 | | 36.9 | 44.6 | | 9.5 | 54 | 34.0 | 5.7 | |
| 9.2 | | 9.9 | 7.4 | K | 9.2 | | 58.8 | 29.7 | | 9.2 | | 22.0 | 11.7 | | 8.6 | 35 | 5.0 | 34.5 | K | 9.5 | | 44.4 | 39.1 | |
| 9.5 | | 13.5 | 30.6 | | 8.5 | 55 | 18.6 | 8.3 | K | 9.4 | | 44.0 | 5.8 | | 9.4 | | 28.5 | 0.4 | | 9.5 | 55 | 1.3 | 34.0 | |
| 9.4 | | 31.4 | 55.7 | | 9.3 | | 40.9 | 30.7 | K | 9.2 | | 44.9 | 43.9 | b | 9.5 | | 43.3 | 7.4 | | 9.5 | | 6.0 | 26.2 | |
| 9.3 | | 35.5 | 41.6 | | 9.5 | 57 | 13.7 | 32.4 | | 9.4 | 17 | 26.2 | 0.2 | | 9.4 | 36 | 1.6 | 45.2 | B | 9.5 | | 42.0 | 25.4 | |
| 9.5 | | 36.2 | 59.2 | | 8.5 | | 34.7 | 37.6 | | 8.6 | | 33.3 | 0.4 | K | 9.4 | | 7.0 | 22.9 | | 9.5 | | 47.4 | 10.7 | |
| 7.0 | 38 | 0.3 | 8.1 | K | 7.5 | 58 | 26.6 | 4.5 | Kb | 9.5 | | 48.9 | 45.8 | | 9.5 | | 13.3 | 15.7 | | 9.5 | 56 | 12.0 | 50.8 | |
| 9.5 | 39 | 1.0 | 51.3 | | 9.5 | | 29.1 | 57.7 | | 9.0 | 18 | 13.5 | 4.4 | Kb | 9.4 | | 32.9 | 54.8 | | 8.9 | 57 | 59.5 | 15.8 | |
| 9.5 | | 15.9 | 53.7 | | 9.0 | | 47.2 | 10.0 | K | 9.3 | 19 | 23.2 | 55.4 | | 9.4 | | 41.5 | 32.8 | a | 9.0 | 58 | 43.4 | 43.7 | |
| 9.1 | | 31.1 | 58.7 | K | 9.5 | 59 | 14.8 | 51.2 | | 9.5 | | 44.8 | 13.7 | | 9.5 | | 45.3 | 0.1 | | 9.4 | | 47.2 | 49.4 | |
| 9.5 | 40 | 0.6 | 44.1 | | 8.8 | | 25.6 | 34.9 | K | 8.9 | 20 | 36.5 | 20.4 | B | 9.5 | 37 | 15.6 | 17.1 | B | 8.3 | 59 | 20.4 | 51.9 | B |
| 8.8 | | 4.5 | 14.2 | L | 9.1 | | 37.6 | 28.7 | K | 9.4 | | 42.9 | 14.2 | | 9.5 | | 19.4 | 40.3 | | 9.4 | 0 | 57.0 | 39.6 | |
| 9.5 | | 43.4 | 52.6 | | 9.5 | | 47.2 | 54.2 | | 9.4 | | 57.4 | 57.7 | | 9.0 | | 37.1 | 29.7 | | 9.1 | 1 | 7.9 | 58.1 | |
| 9.4 | | 47.7 | 55.6 | B | 9.4 | 0 | 3.1 | 59.4 | B | 7.8 | 21 | 10.7 | 32.5 | K | 8.5 | | 50.8 | 59.9 | | 6.5 | | 19.5 | 2.3 | K |
| 9.2 | 41 | 13.9 | 2.3 | K | 9.5 | | 13.6 | 30.0 | | 9.3 | | 42.9 | 45.6 | | 9.3 | | 55.3 | 13.0 | | 9.3 | | 33.0 | 0.9 | |
| 9.3 | | 16.6 | 45.2 | K | 9.0 | | 20.0 | 56.9 | K | 9.3 | | 59.8 | 53.0 | | 9.5 | 38 | 0.3 | 20.0 | | 7.0 | 2 | 22.4 | 39.2 | K |
| 9.5 | | 18.5 | 16 2 | | 9.5 | | 21.4 | 11.1 | | 9.4 | 22 | 19.3 | 7.7 | B | 8.1 | | 2.3 | 29.0 | B | 6.5 | 3 | 6.9 | 26.1 | L |
| 9.0 | | 25.0 | 28.6 | S | 9.5 | | 26.6 | 34.3 | | 9.3 | | 21.0 | 3.7 | | 7.5 | | 6.5 | 9.3 | K | 9.1 | 4 | 21.0 | 37.2 | b |
| 9.5 | | 37.5 | 36.8 | | 9.5 | 1 | 51.7 | 24.2 | | 8.5 | | 35.4 | 40.2 | | 9.0 | | 7.7 | 59.4 | K | 9.5 | | 23.9 | 6.7 | |
| 9.5 | | 45.6 | 30.1 | | 9.1 | | 58.2 | 33.5 | ab | 9.5 | | 35.8 | 47.4 | | 9.4 | | 9.0 | 47.6 | | 9.0 | | 36.5 | 11.5 | K |
| 9.5 | | 46.1 | 36.3 | | 9.5 | 2 | 24.6 | 25.2 | | 8.8 | | 36.3 | 11.3 | | 9.3 | | 12.5 | 51.2 | B | 9.4 | 5 | 56.4 | 41.0 | |
| 9.5 | 42 | 50.6 | 16.3 | | 9.5 | | 41.5 | 16.5 | | 8.8 | | 46.5 | 55.0 | K | 9.4 | | 41.3 | 54.9 | | 9.0 | 6 | 21.0 | 8.7 | R |
| 9.3 | | 59.6 | 25.6 | | 9.5 | 3 | 3.3 | 26.3 | | 9.3 | | 51.6 | 59.6 | | 9.4 | | 47.7 | 58.9 | | 6.5 | | 31.1 | 54.5 | Kb |
| 8.8 | 43 | 2.2 | 37.9 | L | 9.5 | | 28.2 | 41.1 | | 9.3 | | 54.0 | 47.6 | B | 9.2 | 39 | 10.5 | 30 7 | | 9.3 | | 48.8 | 2.8 | K |
| 9.0 | | 14.3 | 15.9 | K | 8.7 | | 30.4 | 0.6 | K | 8.5 | 23 | 20.2 | 22.6 | K | 9.5 | | 30.0 | 5.5 | | 9.2 | 7 | 26.4 | 57.1 | |
| 9.3 | | 19.6 | 14.9 | K | 8.0 | 4 | 27.2 | 16.2 | Kb | 9.5 | | 30.4 | 24.1 | | 7.7 | | 34.6 | 16.7 | K | 9.5 | 8 | 7.5 | 0.3 | |
| 9.2 | | 19.6 | 1.4 | B | 9.2 | 5 | 5.9 | 36.2 | K | 9.4 | | 33.5 | 20.5 | | 9.5 | | 44.4 | 42.0 | | 9.5 | | 52.0 | 46.1 | B |
| 9.4 | 44 | 39.9 | 36.1 | | 9.1 | | 6.4 | 29.7 | K | 9.3 | 24 | 21.4 | 14.4 | | 9.5 | 40 | 37.0 | 26.5 | | 9.4 | | 53.2 | 53.4 | |
| 9.4 | | 40.8 | 41.0 | | 6.5 | | 20.0 | 52.7 | K | 8.4 | | 21.5 | 24.7 | K | 7.8 | 41 | 27.4 | 29.3 | K | 9.5 | 9 | 44.9 | 34.8 | B |
| 9.5 | | 56.6 | 56.1 | | 9.5 | | 26.6 | 37.0 | | 9.2 | 25 | 12.4 | 15.4 | | 9.4 | | 41.2 | 59.8 | | 8.5 | 11 | 14.4 | 17.0 | B |
| 9.5 | 45 | 6.0 | 4.4 | | 9.1 | | 39.7 | 44.2 | | 9.4 | | 33.3 | 19.6 | | 6.9 | | 44.1 | 53.3 | Kb | 8.9 | | 20.0 | 41.6 | |
| 9.2 | | 6.6 | 24.4 | | 9.1 | | 56.4 | 17.2 | | 9.5 | | 42.4 | 5.2 | | 9.4 | 42 | 19.7 | 57.7 | | 9.5 | | 44.0 | 6.5 | |
| 9.5 | | 14.0 | 33.1 | B | 9.1 | 7 | 4.5 | 37.7 | B | 9.5 | 26 | 5.3 | 33.2 | | 9.0 | | 45.4 | 29.2 | K | 8.2 | | 56.2 | 8.3 | P |
| 9.5 | | 19.3 | 44.8 | | 9.4 | | 18.1 | 2.4 | | 9.5 | | 27.7 | 21.5 | B | 9.5 | 43 | 21.1 | 26.1 | | 9.5 | 12 | 18.5 | 47.0 | |
| 9.1 | | 32.6 | 27.6 | b | 8.8 | | 42.6 | 53.0 | | 9.4 | | 42.1 | 50.7 | | 9.5 | 45 | 5.8 | 26.5 | | 9.4 | | 33.9 | 43.6 | |
| 9.5 | | 45.1 | 16.5 | | 9.5 | | 53.7 | 31.2 | | 9.5 | | 55.9 | 24.6 | | 9.5 | | 24.9 | 8.3 | | 9.5 | | 42.8 | 52.1 | |
| 8.7 | 46 | 1.6 | 8.4 | | 9.1 | 8 | 16.4 | 39.6 | K | 9.4 | 27 | 23.1 | 44.1 | b | 9.5 | | 45.5 | 52.3 | | 9.5 | | 48.0 | 25.8 | |
| 9.4 | | 4.9 | 56.6 | | 9.2 | | 21.1 | 39.4 | K | 9.5 | | 31.0 | 37.8 | | 9.2 | 46 | 20.7 | 6.5 | | 9.5 | 13 | 6.9 | 29.2 | |
| 9.5 | | 32.9 | 32.0 | | 8.6 | | 25.0 | 13.2 | | 9.4 | | 53.0 | 35.9 | | 9.2 | 47 | 2.3 | 2.3 | K | 9.1 | 14 | 15.1 | 51.6 | b |
| 9.5 | 47 | 15.6 | 9.5 | | 8.9 | | 25.8 | 26.3 | | 9.5 | 28 | 46.4 | 4.6 | | 9.4 | | 13.4 | 41.3 | | 9.4 | | 23.7 | 54.6 | B |
| 9.5 | 48 | 5.4 | 8.7 | | 9.1 | | 44.3 | 6.3 | | 9.3 | 29 | 9.7 | 52.7 | | 9.2 | | 22.2 | 4.2 | K | 9.5 | | 52.0 | 51.1 | |
| 9.5 | | 54.0 | 9.7 | | 9.5 | 9 | 8.7 | 5.3 | | 9.5 | | 11.4 | 13.2 | | 8.8 | | 38.4 | 39.5 | K | 9.4 | 15 | 25.9 | 34.7 | |
| 9.0 | | 57.6 | 38.6 | | 9.4 | | 13.3 | 17.6 | | 9.1 | | 34.3 | 17.6 | b | 9.4 | 48 | 0.7 | 58.1 | | 9.4 | | 54.0 | 23.7 | |
| 8.5 | 49 | 5.7 | 53.7 | K | 9.5 | | 26.6 | 12.9 | | 9.5 | | 54.6 | 9.7 | | 9.3 | | 13.0 | 56.0 | K | 9.4 | 16 | 11.0 | 29.9 | |
| 9.0 | | 28.8 | 2.2 | | 9.5 | | 28.4 | 25.2 | | 9.5 | 30 | 11.5 | 27.0 | | 9.4 | | 31.9 | 44.6 | | 9.5 | | 26.0 | 6.9 | |
| 8.5 | | 30.3 | 23.4 | L | 9.5 | | 45.2 | 59.5 | | 8.1 | | 28.3 | 48.3 | K | 8.6 | | 51.8 | 28.5 | K | 9.5 | | 27.4 | 28.7 | B |
| 9.0 | 50 | 12.1 | 6.3 | K | 8.4 | 10 | 21.8 | 25.1 | K | 9.5 | | 46.4 | 50.4 | | 9.5 | | 52.4 | 57.6 | | 9.5 | | 56.0 | 2.5 | |
| 9.5 | | 21.8 | 28.0 | | 9.2 | | 36.3 | 11.7 | | 9.0 | | 52.2 | 51.3 | R | 8.9 | 49 | 4.4 | 17.8 | Kb | 9.1 | 17 | 3.0 | 28.5 | b |
| 9.5 | | 35.9 | 25.0 | | 9.5 | | 38.3 | 5.5 | | 8.6 | 31 | 0.3 | 6.8 | K | 9.5 | | 15.9 | 0.6 | | 9.5 | | 57.9 | 34.0 | |
| 7.5 | | 37.3 | 43.1 | K | 9.4 | 11 | 2.0 | 54.0 | | 7.5 | | 2.7 | 52.0 | K | 9.4 | | 57.0 | 16.5 | | 9.2 | 18 | 2.4 | 5.2 | B |
| 9.5 | | 58.2 | 1.7 | | 9.5 | | 13.2 | 32.5 | | 9.5 | | 41.5 | 57.9 | | 8.5 | | 59.5 | 40.5 | K | 8.7 | | 16.0 | 1.4 | L |
| 9.5 | 51 | 7.9 | 58.1 | | 7.8 | | 26.3 | 9.3 | K | 9.5 | | 47.4 | 27.5 | | 9.5 | 50 | 17.3 | 0.6 | | 9.1 | | 35.5 | 3.1 | |
| 9.2 | | 41.6 | 16.6 | K | 9.5 | | 59.9 | 51.7 | | 9.5 | | 48.6 | 34.3 | | 9.5 | | 26.6 | 58.5 | | 7.7 | 19 | 3.2 | 10.0 | L |
| 8.6 | 52 | 10.7 | 18.0 | Kb | 9.4 | 12 | 11.5 | 22.6 | | 9.2 | 32 | 31.5 | 16.7 | b | 9.5 | | 46.0 | 9.0 | | 9.3 | | 5.9 | 36.5 | |
| 9.5 | | 31.0 | 44.4 | | 8.8 | | 17.3 | 2.3 | K | 9.5 | | 31.7 | 7.8 | | 9.4 | | 49.2 | 15.5 | | 9.1 | | 53.3 | 3.5 | R |
| 9 5 | 53 | 32.6 | 36.9 | | 9.0 | 14 | 10.4 | 37.4 | b | 8.0 | | 37.4 | 40.6 | K | 9.0 | 51 | 9.3 | 5.8 | K | 9.5 | | 53.7 | 59.7 | |
| 9.5 | | 36.9 | 5.0 | | 9.5 | | 21.3 | 24.4 | | 9.5 | | 37.9 | 50.0 | | 9.2 | | 19.4 | 44.7 | | 9.4 | 20 | 4.2 | 26.4 | |
| 9.5 | | 41.4 | 11.7 | | 9.4 | | 59.6 | 52.4 | | 9.5 | 33 | 12.5 | 51.2 | | *var* | | 58.1 | 56.7 | | 9.5 | 21 | 10.0 | 55.0 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *34.68* | *2.20* | | *10pr.* | | *34.36* | *2.41* | | *10pr.* | | *34.03* | *2.60* | | *10pr.* | | *33.72* | *2.75* | | *10pr.* | | *33.16* | *2.96* | |

| 2201—2260 | | | | 2261—2320 | | | | 2321—2380 | | | | 2381—2440 | | | | 2441—2500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ʰ | +21° | | | 10ʰ—11ʰ | +21° | | | 11ʰ | +21° | | | 11ʰ—12ʰ | +21° | | | 12ʰ—13ʰ | +21° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.6 | 22 2.9 | 25.2 | | 9.4 | 46 41.8 | 39.6 | | 9.5 | 19 48.7 | 29.8 | | 9.0 | 52 58.7 | 33.5 | | 9.5 | 32 36.5 | 0.8 | |
| 8.2 | 10.6 | 33.8 | S | 8.2 | 45.8 | 31.7 | K | 9.3 | 20 30.4 | 20.5 | | 9.1 | 53 45.6 | 6.0 | K | 8.8 | 51.1 | 37.3 | B |
| 9.0 | 13.4 | 12.2 | | 9.3 | 48 0.0 | 11.8 | | 9.1 | 21 23.9 | 19.7 | *b* | 9.0 | 54 45.9 | 56.5 | K | 9.5 | 34 38.2 | 54.1 | |
| 8.8 | 23.2 | 51.7 | | 9.3 | 49 9.3 | 58.6 | | 9.2 | 22 7.0 | 59.3 | | 9.2 | 55.1 | 35.5 | K | 9.5 | 52.9 | 5.8 | |
| 8.9 | 24 46.4 | 6.3 | | 7.8 | 31.2 | 54.7 | K | 9.5 | 23 39.0 | 13.4 | | 9.3 | 55 27.3 | 1.1 | | 9.2 | 35 16.7 | 40.0 | K |
| 9.5 | 25 10.9 | 36.9 | B | 9.5 | 51 10.0 | 17.7 | | 9.4 | 43.6 | 15.2 | B*b* | 9.5 | 53.1 | 33.1 | | 9.1 | 26.5 | 31.4 | *b* |
| 9.5 | 43.0 | 39.6 | | 9.4 | 55.7 | 43.9 | B | 9.5 | 24 4.0 | 34.5 | | 9.5 | 57 16.4 | 50.6 | | 9.4 | 27.0 | 47.6 | |
| 8.6 | 45.9 | 30.6 | K*b* | 9.5 | 52 8.4 | 52.2 | | 9.1 | 26 38.5 | 15.8 | *b* | 8.5 | 39.8 | 1.9 | | 9.0 | 37.4 | 9.2 | |
| 9.5 | 53.0 | 32.0 | | 9.2 | 27.0 | 34.2 | K | 9.4 | 27 4.8 | 35.2 | B | 9.0 | 58 6.6 | 48.0 | | 9.3 | 38.4 | 24.8 | αB |
| 7.5 | 58.1 | 3.1 | K | 8.7 | 53 28.1 | 52.1 | K | 9.4 | 11.9 | 11.0 | | 9.5 | 36.7 | 58.7 | ? | 9.2 | 36 38.9 | 6.2 | |
| 9.5 | 26 2.5 | 15.8 | | 8.0 | 57.9 | 36.8 | B | 6.5 | 29.6 | 14.5 | K | 9.5 | 55.6 | 55.0 | | 7.5 | 49.2 | 57.5 | K |
| 9.3 | 37.4 | 31.3 | | 9.5 | 54 31.0 | 11.3 | | 9.5 | 28 40.5 | 15.9 | | 8.6 | 59 31.2 | 19.0 | K*b* | 9.5 | 37 23.1 | 3.2 | |
| 9.5 | 27 2.0 | 38.9 | | 9.5 | 55 40.0 | 13.8 | | 8.5 | 29 10.8 | 52.3 | K*b* | 9.2 | 35.4 | 54.1 | K | 9.5 | 39 12.0 | 35.5 | |
| 9.5 | 12.7 | 1.8 | | 9.5 | 45.0 | 35.2 | | 9.2 | 11.4 | 3.1 | | 9.5 | 1 44.0 | 57.6 | | 9.4 | 16.4 | 9.7 | |
| 9.5 | 25.2 | 31.6 | | 9.5 | 56 19.5 | 2.6 | | 9.0 | 14.6 | 19.8 | | 9.5 | 3 36.2 | 42.0 | | 8.0 | 18.2 | 51.3 | K |
| 8.9 | 29 5.0 | 41.9 | K | 8.8 | 19.7 | 40.3 | K*b* | 9.5 | 17.5 | 30.0 | | 9.2 | 4 29.6 | 11.1 | K | 9.5 | 40 43.5 | 40.1 | B |
| 9.5 | 30 15.5 | 36.1 | | 9.5 | 46.4 | 12.8 | | 9.3 | 41.0 | 8.9 | | 9.4 | 36.4 | 21.6 | B | 9.1 | 41 5.3 | 40.4 | αB*b* |
| 9.2 | 31 15.1 | 53.9 | | 9.5 | 48.8 | 29.9 | B | 9.5 | 41.0 | 57.2 | B | 6.0 | 46.8 | 21.7 | K*b* | 8.0 | 12.6 | 25.2 | K |
| 9.5 | 32 45.0 | 47.5 | B | 8.4 | 57 26.1 | 35.2 | K | 9.5 | 30 0.8 | 4.5 | | 9.5 | 53.3 | 22.2 | | 9.2 | 23.9 | 30.7 | |
| 9.5 | 33 18.0 | 33.4 | | 9.0 | 27.5 | 19.7 | | 9.3 | 31 45.5 | 24.8 | | 9.3 | 5 17.3 | 19.4 | | 9.3 | 43 1.0 | 3.6 | K |
| 9.1 | 22.2 | 59.0 | *b* | 9.5 | 49.4 | 50.7 | | 9.4 | 56.5 | 58.2 | | 9.5 | 54.5 | 42.1 | | 9.2 | 29.2 | 54.7 | α |
| 8.6 | 31.8 | 6.3 | K*b* | 7.2 | 59 13.4 | 15.9 | K | 7.8 | 33 7.9 | 50.6 | S | 9.4 | 8 55.0 | 38.6 | *b* | 8.9 | 31.7 | 19.7 | K |
| 7.6 | 34.0 | 18.6 | K | 8.3 | 26.8 | 53.6 | K | 8.6 | 34 7.0 | 13.1 | K | 9.3 | 10 16.9 | 29.3 | | 9.5 | 44 51.9 | 22.5 | |
| 9.5 | 34 6.9 | 21.3 | | 7.3 | 46.4 | 56.8 | K | 9.1 | 19.9 | 41.0 | B | 9.5 | 21.0 | 31.9 | | 9.1 | 46 2.0 | 31.0 | *b* |
| 9.5 | 24.0 | 45.5 | | 8.3 | 51.9 | 3.3 | B | 8.0 | 35 19.3 | 53.2 | K | 9.4 | 34.3 | 43.4 | B | 9.1 | 37.4 | 26.1 | K |
| 9.4 | 47.8 | 56.4 | B | 8.8 | 0 3.0 | 11.5 | | 8.7 | 33.2 | 3.8 | | 9.0 | 40.2 | 13.5 | K*b* | 9.2 | 47 24.0 | 42.6 | B |
| 9.5 | 35 15.1 | 7.0 | B | 9.4 | 36.1 | 53.9 | | 8.0 | 43.9 | 10.0 | K*b* | 9.4 | 11 1.0 | 31.6 | | 9.5 | 48 17.4 | 25.7 | |
| 9.4 | 23.3 | 56.1 | B | 7.8 | 43.3 | 49.4 | K | 8.5 | 37 8.0 | 45.1 | | 9.0 | 22.4 | 20.0 | K | 8.5 | 50.1 | 33.0 | |
| 9.5 | 36 17.4 | 41.0 | | 8.0 | 46.3 | 51.5 | K | 9.5 | 24.9 | 22.7 | | 9.4 | 12 0.2 | 57.1 | B | 9.3 | 49 0.4 | 28.5 | |
| 8.5 | 48.9 | 27.6 | K | 9.3 | 46.7 | 11.0 | | 9.4 | 29.9 | 19.2 | B | 9.2 | 56.5 | 54.9 | K | 8.8 | 23.7 | 48.5 | L*b* |
| 9.5 | 37 8.4 | 55.2 | | 9.5 | 50.3 | 59.9 | | 9.2 | 41.5 | 52.8 | | 9.0 | 13 14.5 | 57.4 | K | 9.2 | 50 4.2 | 4.7 | *b* |
| 8.5 | 23.6 | 58.5 | K*b* | 8.3 | 1 14.1 | 3.3 | K | 9.5 | 42.7 | 37.9 | | 9.2 | 54.3 | 50.4 | | 9.5 | 19.4 | 14.2 | |
| 9.0 | 39 11.5 | 21.0 | K | 8.8 | 41.7 | 47.9 | K | 8.1 | 38 37.1 | 7.7 | K | 9.5 | 15 11.7 | 26.0 | | 9.3 | 51 52.7 | 39.3 | |
| 9.5 | 19.4 | 21.3 | | 9.5 | 52.4 | 48.3 | | 8.8 | 39 7.7 | 23.8 | | 9.3 | 16 1.7 | 53.5 | | 9.5 | 52 17.9 | 8.4 | |
| 8.5 | 26.7 | 48.2 | | 9.5 | 2 37.0 | 4.5 | | 9.3 | 52.4 | 35.1 | | 9.2 | 10.4 | 6.5 | K*b* | 9.5 | 28.7 | 48.2 | |
| 8.5 | 28.0 | 33.4 | K | 9.3 | 3 1.3 | 4.5 | | 9.5 | 40 27.0 | 12.8 | | 9.4 | 15.8 | 47.2 | B | 9.1 | 53 9.4 | 31.2 | K*b* |
| 9.5 | 40 8.6 | 42.8 | | 9.1 | 5 49.3 | 22.8 | K | 9.0 | 29.7 | 3.2 | K | 9.5 | 19 1.7 | 22.8 | | 9.1 | 54 9.5 | 53.2 | K |
| 9.3 | 19.8 | 56.6 | B | 2.3 | 6 25.6 | 18.6 | K | 4.0 | 31.0 | 2.4 | K | 9.3 | 19.6 | 45.3 | B | 9.1 | 43.4 | 21.9 | |
| 9.5 | 39.8 | 41.0 | B | 9.4 | 7 0.0 | 15.7 | B | 9.5 | 33.0 | 13.2 | | 9.5 | 20.1 | 48.8 | | 9.4 | 44.6 | 36.7 | B |
| 8.4 | 41 11.9 | 39.6 | K | 9.5 | 8 15.9 | 42.2 | B | 8.7 | 41 19.7 | 40.6 | K | 9.5 | 23.5 | 22.2 | | 8.5 | 55 16.3 | 21.2 | K |
| 9.5 | 41.9 | 20.1 | B | 9.0 | 30.7 | 10.1 | K | 8.2 | 22.2 | 18.5 | K | 9.1 | 50.9 | 46.5 | *b* | 9.0 | 56 0.2 | 31.5 | |
| 9.2 | 53.6 | 31.6 | B | 9.3 | 10 2.2 | 20.7 | B | 9.5 | 48.2 | 40.6 | | 7.7 | 20 47.7 | 9.7 | K | 9.4 | 10.6 | 1.4 | B |
| 9.5 | 42 3.2 | 26.9 | | 9.0 | 27.5 | 13.1 | | 9.5 | 42 18.2 | 30.3 | | 9.5 | 21 1.6 | 34.1 | | 8.7 | 30.6 | 19.0 | K |
| 9.2 | 6.0 | 16.0 | | 6.8 | 11 56.9 | 30.6 | K | 9.0 | 32.7 | 54.8 | | 5.8 | 22 25.5 | 42.0 | K | 8.8 | 57 46.4 | 21.8 | |
| 9.1 | 21.1 | 20.3 | B | 8.8 | 59.0 | 37.6 | | 8.9 | 37.5 | 57.1 | | 9.5 | 47.8 | 14.3 | B | 9.3 | 59 6.4 | 41.6 | |
| 9.1 | 43 20.9 | 35.8 | K | 8.9 | 12 35.0 | 20.0 | R | 8.3 | 38.1 | 5.8 | K | 8.0 | 24 2.2 | 1.8 | K | 8.8 | 10.5 | 30.6 | |
| 7.9 | 42.5 | 3.3 | K | 9.5 | 50.6 | 55.3 | B | 7.0 | 45 2.7 | 12.8 | K | 9.5 | 19.4 | 35.6 | | 6.0 | 17.2 | 56.2 | K*b* |
| 9.5 | 44 15.7 | 35.1 | | 7.6 | 13 21.4 | 38.9 | K | 9.3 | 38.8 | 48.8 | | 8.6 | 52.9 | 42.7 | K*b* | 9.3 | 43.4 | 13.9 | |
| 9.4 | 41.0 | 14.1 | B | 9.5 | 14 44.5 | 30.7 | | 9.5 | 41.9 | 55.8 | B | 8.8 | 25 13.5 | 53.9 | S | 9.3 | 0 45.8 | 29.9 | |
| 9.3 | 43.4 | 45.9 | | 9.5 | 46.2 | 43.5 | | 9.5 | 49.8 | 47.6 | B | 7.8 | 26 11.2 | 13.5 | L | 9.5 | 1 0.7 | 38.2 | |
| 9.0 | 45 6.9 | 49.6 | K | 9.5 | 15 23.5 | 29.4 | | 9.0 | 50.8 | 6.9 | S | 8.3 | 27 17.1 | 41.1 | K | 9.3 | 11.7 | 32.9 | |
| 9.4 | 21.2 | 34.4 | | 8.8 | 36.6 | 30.0 | K | 8.5 | 46 24.3 | 8.9 | K | 9.3 | 36.8 | 2.9 | B | 9.3 | 19.4 | 0.3 | B |
| 9.3 | 45.5 | 23.8 | | 9.2 | 53.0 | 15.9 | | 8.7 | 30.3 | 18.3 | K | 9.5 | 28 37.0 | 28.7 | | 9.5 | 2 15.6 | 36.5 | |
| 9.5 | 48.8 | 51.4 | | 8.0 | 16 51.4 | 24.5 | K*b* | 9.3 | 47 18.6 | 49.4 | K*b* | 7.7 | 29 34.2 | 0.9 | K | 8.2 | 46.1 | 25.7 | K |
| 9.5 | 46 6.1 | 0.9 | B | 9.5 | 17 27.5 | 47.6 | | 9.3 | 48 39.8 | 3.1 | | 9.5 | 50.7 | 37.9 | | 9.0 | 4 55.7 | 37.5 | B |
| 8.5 | 7.5 | 17.2 | K | 7.8 | 30.7 | 12.8 | K | 9.4 | 51 4.3 | 58.3 | | 7.3 | 57.1 | 59.8 | S | 8.5 | 5 24.0 | 37.0 | B |
| 9.3 | 8.8 | 19.0 | R*b* | 8.0 | 18 36.9 | 11.0 | K | 9.4 | 37.6 | 39.7 | | 8.8 | 31 0.7 | 14.2 | K | 9.2 | 26.5 | 35.9 | α |
| 9.5 | 23.5 | 53.5 | | 7.5 | 51.4 | 17.1 | K | 9.2 | 57.2 | 30.3 | | 8.7 | 22.1 | 30.8 | K | 9.5 | 38.7 | 57.0 | |
| 9.0 | 35.4 | 45.7 | | 9.3 | 53.0 | 49.3 | | 8.7 | 52 0.1 | 40.1 | K | 5.7 | 54.2 | 52.5 | K*b* | 9.3 | 44.6 | 24.6 | K |
| 9.1 | 38.5 | 29.3 | K | 9.5 | 19 48.7 | 29.0 | B | 9.4 | 33.2 | 14.5 | | 9.2 | 32 2.6 | 49.7 | K | 8.8 | 6 7.1 | 46.2 | K |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 32.69 | 3.12 | | 10pr. | 32.06 | 3.23 | | 10pr. | 31.24 | 3.33 | | 10pr. | 30.42 | 3.34 | | 10pr. | 29.59 | 3.26 | |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13ᵘ | | +21° | | | 13ᵘ—14ᵘ | | +21° | | | 14ᵘ | | +21° | | | 14ᵘ—15ᵘ | | +21° | | | 15ᵘ | | +21° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.3 | 6 | 27.2 | 58.6 | | 9.5 | 35 | 6.3 | 42.3 | | 9.2 | 4 | 21.5 | 27.7 | | 9.3 | 38 | 16.8 | 42.6 | | 8.7 | 8 | 17.5 | 51.9 | Kb |
| 8.2 | | 39.8 | 11.8 | K | 9.5 | | 23.4 | 14.2 | | 9.5 | 5 | 5.0 | 4.7 | | 8.5 | | 41.3 | 41.6 | K | 9.5 | | 37.9 | 19.5 | |
| 9.4 | 7 | 8.8 | 54.8 | B | 9.5 | | 36.1 | 6.4 | | 9.3 | | 21.7 | 0.6 | | 8.8 | 39 | 19.0 | 59.1 | | 9.5 | 9 | 5.5 | 22.6 | |
| 9.0 | | 32.4 | 3.1 | Kb | 8.1 | | 56.0 | 11.9 | L | 9.1 | | 24.6 | 47.4 | b | 9.5 | | 28.9 | 8.9 | | 9.5 | | 7.2 | 48.7 | |
| 9.3 | | 37.1 | 33.4 | | 8.5 | 36 | 46.9 | 48.9 | | 7.5 | | 25.8 | 18.5 | K | 8.7 | | 37.4 | 29.8 | Kb | 9.2 | | 39.4 | 50.2 | B |
| 9.3 | 8 | 12.3 | 9.4 | | 8.8 | | 49.6 | 27.7 | | 8.8 | | 33.0 | 32.2 | | 9.4 | 40 | 52.1 | 35.4 | | 9.3 | | 41.3 | 52.9 | |
| 9.0 | 9 | 31.1 | 56.1 | | 9.1 | 37 | 6.7 | 19.0 | | 9.1 | 6 | 40.8 | 53.2 | Kb | 9.0 | | 55.6 | 16.2 | K | 9.0 | | 47.3 | 32.4 | K |
| 9.1 | | 59.5 | 5.8 | K | 9.0 | | 26.4 | 36.1 | | 9.3 | | 59.8 | 32.6 | B | 9.4 | 41 | 4.6 | 52.1 | B | 9.1 | | 48.7 | 48.7 | K |
| 8.5 | 10 | 1.4 | 38.4 | | 9.4 | | 29.0 | 56.6 | B | 8.8 | 7 | 30.4 | 5.9 | | 9.0 | | 14.3 | 37.4 | K | 8.3 | 10 | 3.3 | 2.5 | K |
| 8.3 | | 59.9 | 46.5 | Kb | 8.0 | | 58.8 | 12.1 | R | 8.8 | 8 | 14.2 | 15.6 | | 8.0 | | 45.4 | 55.6 | K | 9.5 | | 32.0 | 40.3 | |
| 9.5 | 11 | 26.5 | 31.2 | | 9.0 | 39 | 4.3 | 55.2 | | 8.9 | | 31.8 | 11.6 | | 8.8 | | 54.4 | 10.2 | | 8.3 | | 46.1 | 31.9 | B |
| 9.2 | | 34.9 | 16.0 | K | 9.3 | | 22.2 | 26.7 | | 7.5 | 9 | 27.9 | 55.8 | K | 8.0 | 42 | 32.6 | 0.3 | K | 9.5 | 11 | 33.7 | 0.9 | |
| 9.0 | | 43.8 | 43.1 | K | 9.3 | 40 | 25.7 | 13.5 | | 8.8 | | 48.4 | 45.8 | | 9.4 | | 47.3 | 1.9 | | 9.5 | | 40.7 | 5.1 | B |
| 9.3 | | 44.9 | 1.2 | Kb | 9.5 | 41 | 20.8 | 59.0 | | 9.0 | 10 | 25.6 | 43.3 | K | 9.5 | 44 | 42.6 | 38.1 | | 9.5 | | 48.4 | 20.5 | |
| 8.0 | 12 | 25.4 | 49.4 | K | 9.5 | | 27.3 | 16.3 | | 8.7 | | 25.9 | 39.8 | K | 9.5 | 45 | 23.2 | 23.5 | | 6.2 | | 55.2 | 7.1 | K |
| 9.5 | 13 | 20.0 | 9.3 | | 9.5 | | 44.9 | 34.0 | | 9.2 | 11 | 17.6 | 33.5 | B | 9.5 | | 28.9 | 29.8 | b | 9.4 | 12 | 28.2 | 11.1 | |
| 9.1 | 15 | 6.0 | 2.6 | K | 9.5 | 42 | 48.0 | 14.2 | | 9.2 | | 29.7 | 51.3 | K | 9.5 | 46 | 31.3 | 54.6 | | 9.5 | 13 | 4.7 | 4.1 | |
| 9.5 | | 24.9 | 35.7 | | 5.1 | | 51.4 | 59.1 | Bb | 7.2 | | 39.5 | 58.1 | Kb | 9.5 | 47 | 13.2 | 4.7 | | 9.5 | | 42.9 | 7.3 | |
| 7.2 | | 25.7 | 27.7 | K | 7.5 | 43 | 30.5 | 58.8 | K | 9.5 | 12 | 2.4 | 12.0 | | 9.2 | 48 | 16.3 | 53.1 | K | 8.5 | 14 | 32.2 | 34.8 | K |
| 9.5 | | 51.2 | 49.8 | | 7.4 | | 33.9 | 59.7 | K | 9.3 | | 11.3 | 24.9 | | 9.0 | | 34.8 | 44.3 | K | 9.3 | | 41.8 | 0.9 | |
| 9.3 | | 55.9 | 11.8 | | 9.3 | | 53.1 | 24.4 | Bb | 9.5 | 13 | 4.0 | 26.6 | | 8.5 | 49 | 15.2 | 6.3 | K | 9.0 | | 46.3 | 9.8 | |
| 9.3 | 16 | 18.4 | 57.4 | | 8.3 | 44 | 10.0 | 59.3 | K | 9.1 | 14 | 47.3 | 55.0 | K | 9.5 | | 56.4 | 19.7 | | 9.4 | | 56.1 | 32.3 | B |
| 9.2 | | 58.7 | 51.4 | b | 9.5 | | 18.5 | 29.1 | | 8.2 | 15 | 50.9 | 11.1 | K | 9.5 | 50 | 1.1 | 47.5 | | 9.3 | 15 | 23.9 | 29.7 | B |
| 9.5 | 18 | 41.7 | 10.5 | | 9.2 | 45 | 52.9 | 58.0 | K | 9.5 | | 59.1 | 25.6 | | 9.0 | | 8.4 | 40.1 | K | 8.3 | | 57.0 | 27.3 | Lb |
| 9.0 | | 58.3 | 39.2 | B | 9.5 | 46 | 19.9 | 49.3 | | 9.5 | 16 | 21.1 | 21.8 | | 8.8 | | 20.9 | 7.9 | | 9.3 | 16 | 45.2 | 31.0 | |
| 7.5 | 19 | 11.3 | 34.1 | Kb | 9.0 | | 37.6 | 45.8 | | 9.3 | 17 | 3.5 | 23.5 | | 9.5 | 51 | 0.0 | 16.2 | | 9.3 | 17 | 55.3 | 6.6 | |
| 8.9 | | 19.4 | 15.5 | | 9.5 | | 53.7 | 55.8 | | 9.1 | | 25.6 | 49.8 | Bb | 9.5 | | 31.4 | 28.0 | | 8.7 | 18 | 18.1 | 55.3 | K |
| 9.4 | | 34.0 | 42.0 | | 8.0 | 47 | 35.0 | 21.8 | K | 9.4 | 18 | 13.2 | 2.7 | | 9.5 | | 47.8 | 53.6 | | 9.3 | | 48.6 | 50.4 | |
| 9.4 | | 51.6 | 51.1 | | 9.5 | | 38.5 | 27.5 | B | 7.7 | | 46.3 | 16.2 | B | 9.3 | 52 | 21.2 | 53.3 | | 9.5 | 19 | 27.3 | 11.6 | |
| 8.8 | | 54.9 | 33.0 | K | 9.4 | | 59.3 | 53.5 | | 9.3 | | 58.0 | 37.1 | | 9.4 | 54 | 14.8 | 5.4 | | 8.5 | | 37.8 | 58.1 | K |
| 9.0 | 20 | 11.5 | 13.5 | | 9.0 | 48 | 1.3 | 25.7 | | 9.3 | 19 | 25.1 | 51.7 | | 9.5 | | 31.7 | 23.3 | | 9.0 | | 42.5 | 52.2 | |
| 8.2 | | 19.7 | 1.7 | K | 8.6 | 49 | 52.5 | 21.9 | K | 9.0 | | 39.2 | 45.1 | K | 9.3 | 55 | 40.1 | 16.0 | | 9.0 | 22 | 14.9 | 22.8 | |
| 9.3 | | 27.0 | 12.5 | | 6.8 | 50 | 17.6 | 39.8 | K | 9.5 | 20 | 4.5 | 53.8 | | 9.5 | 56 | 0.3 | 10.5 | B | 8.5 | | 16.0 | 40.4 | K |
| 9.5 | | 37.9 | 50.6 | | 9.5 | 52 | 35.4 | 25.9 | | 9.5 | | 22.3 | 7.9 | | 9.3 | | 0.6 | 38.6 | b | 8.8 | | 17.9 | 6.9 | |
| 9.3 | | 52.0 | 49.7 | B | 9.5 | | 44.9 | 51.3 | | 9.2 | | 53.0 | 15.5 | Kb | 8.7 | | 11.3 | 1.8 | Kb | 9.3 | | 41.4 | 36.3 | |
| 9.5 | | 55.7 | 1.9 | | 9.3 | 53 | 49.2 | 14.5 | Bb | 9.0 | 21 | 24.7 | 35.0 | K | 8.3 | | 49.4 | 20.9 | K | 9.4 | 24 | 8.4 | 27.5 | |
| 9.4 | 21 | 27.6 | 29.3 | Bb | 9.5 | | 59.7 | 55.4 | | 8.7 | | 31.8 | 19.3 | K | 9.5 | 57 | 32.0 | 44.1 | | 8.7 | | 40.5 | 49.8 | K |
| 9.5 | 22 | 1.5 | 56.2 | | 7.5 | 55 | 32.0 | 35.0 | K | 7.0 | 22 | 18.6 | 25.2 | K | 9.3 | | 29.6 | 16.0 | | 9.5 | | 51.8 | 58.7 | |
| 9.5 | | 4.5 | 25.3 | | 9.5 | 56 | 7.1 | 5.9 | | 9.0 | 23 | 52.9 | 34.8 | K | 8.5 | | 47.7 | 17.4 | K | 9.3 | 25 | 3.1 | 43.1 | B |
| 9.5 | | 17.7 | 53.6 | | 8.6 | | 22.0 | 0.4 | | 9.5 | 24 | 26.4 | 31.2 | | 9.5 | 58 | 5.0 | 4.9 | | 9.5 | | 8.4 | 41.6 | |
| 9.8 | | 42.6 | 28.6 | | 9.5 | | 37.9 | 43.3 | | 9.3 | | 42.2 | 19.7 | | 9.4 | | 14.9 | 54.0 | | 8.2 | | 35.3 | 26.8 | K |
| 9.5 | 23 | 21.8 | 42.7 | | 9.5 | 57 | 23.8 | 27.3 | | 9.5 | 25 | 44.9 | 8.1 | | 9.4 | | 17.0 | 58.7 | | 9.5 | | 53.5 | 38.7 | |
| 9.0 | 24 | 11.9 | 40.3 | K | 8.8 | 58 | 15.8 | 54.1 | K | 9.5 | 26 | 4.6 | 54.4 | | 9.5 | | 39.7 | 57.7 | | 8.5 | 26 | 13.9 | 33.1 | K |
| 9.0 | | 59.8 | 42.7 | | 9.3 | 59 | 7.4 | 7.0 | | 9.4 | 28 | 48.7 | 11.1 | B | 9.3 | 59 | 40.2 | 34.5 | | 9.5 | | 34.7 | 52.9 | |
| 8.0 | 25 | 31.0 | 37.8 | K | 9.0 | | 19.0 | 0.1 | | 9.2 | 29 | 3.5 | 4.5 | K | 9.5 | | 59.0 | 59.5 | | 8.9 | 27 | 14.3 | 43.2 | K |
| 9.5 | 26 | 22.6 | 12.4 | | 9.4 | 0 | 16.3 | 26.3 | B | 9.3 | 31 | 43.4 | 6.5 | | 8.4 | 1 | 25.1 | 58.4 | K | 9.5 | | 18.6 | 52.5 | |
| 7.5 | 27 | 45.0 | 23.3 | K | 9.4 | | 45.7 | 58.3 | | 9.5 | 32 | 2.0 | 51.0 | | 8.0 | | 39.1 | 38.5 | K | 9.1 | | 33.1 | 26.2 | b |
| 7.8 | 28 | 14.4 | 32.6 | K | 9.5 | | 48.2 | 16.2 | | 9.5 | | 5.8 | 38.8 | | 8.5 | | 51.1 | 37.2 | K | 9.2 | | 58.8 | 45.6 | B |
| 8.5 | | 22.5 | 21.5 | K | 9.2 | 1 | 5.0 | 6.5 | K | 9.5 | | 27.2 | 51.4 | | 8.7 | 2 | 7.2 | 24.0 | R | 9.5 | 30 | 4.3 | 12.7 | |
| 9.1 | | 41.1 | 51.6 | b | 8.2 | | 9.5 | 7.3 | K | 9.5 | 33 | 7.7 | 22.5 | | 9.3 | 3 | 11.2 | 24.0 | | 9.2 | | 18.0 | 4.8 | |
| 9.3 | | 59.8 | 53.3 | | 9.4 | | 12.1 | 30.4 | | 9.5 | | 30.5 | 29.1 | | 9.3 | | 26.1 | 43.5 | | 9.3 | | 39.0 | 12.8 | B |
| 9.0 | 29 | 3.3 | 26.0 | K | 8.5 | | 19.9 | 14.6 | K | 9.5 | | 38.4 | 28.4 | | 9.5 | | 52.4 | 52.8 | | 9.0 | 31 | 16.4 | 37.6 | K |
| 9.3 | | 13.4 | 23.5 | a | 8.0 | | 29.9 | 52.7 | S | 9.1 | 35 | 10.8 | 3.0 | B | 9.0 | 5 | 31.3 | 40.3 | | 9.2 | | 25.3 | 7.1 | b |
| 9.5 | 30 | 16.1 | 33.0 | | 9.5 | | 57.8 | 29.4 | | 6.5 | | 18.1 | 45.4 | K | 9.1 | 6 | 4.7 | 13.9 | | 7.7 | | 28.5 | 54.9 | K |
| 8.3 | | 29.9 | 14.2 | Kb | 9.5 | 2 | 14.7 | 31.5 | | 9.5 | | 37.8 | 52.3 | B | 9.3 | | 41.5 | 39.0 | | 9.0 | 32 | 17.4 | 49.1 | K |
| 9.5 | 31 | 37.3 | 25.3 | | 9.5 | | 37.0 | 55.0 | | 7.8 | | 48.0 | 55.6 | K | 8.8 | | 54.4 | 31.7 | K | 9.4 | | 40.1 | 43.0 | B |
| 8.8 | 32 | 40.0 | 37.4 | | 9.5 | | 42.8 | 27.6 | | 8.0 | | 56.9 | 6.0 | K | 9.5 | 7 | 12.6 | 37.3 | | 8.6 | | 59.4 | 50.8 | K |
| 9.3 | | 58.0 | 56.1 | | 7.7 | | 46.9 | 9.8 | K | 8.6 | 36 | 12.9 | 58.6 | Kb | 9.5 | | 15.5 | 28.4 | | 9.0 | 33 | 23.9 | 45.6 | |
| 9.1 | 33 | 8.3 | 41.7 | K | 9.5 | 3 | 1.3 | 59.5 | | 9.3 | | 17.5 | 16.2 | | 8.3 | | 45.6 | 7.1 | K | 9.5 | | 33.1 | 56.5 | |
| 9.3 | | 58.9 | 22.3 | | 9.1 | | 50.0 | 22.8 | | 8.9 | | 23.1 | 5.9 | | 9.5 | 8 | 7.2 | 13.9 | | 8.5 | | 35.2 | 38.7 | Kb |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 28.92 | 3.14 | | 10pr. | | 28.33 | 2.97 | | 10pr. | | 27.72 | 2.75 | | 10pr. | | 27.09 | 2.42 | | 10pr. | | 26.69 | 2.15 | |

| 2801—2860 | | | | | 2861—2920 | | | | | 2921—2980 | | | | | 2981—3040 | | | | | 3041—3100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵘ | | +21° | | | 15ᵘ—16ᵘ | | +21° | | | 16ᵘ | | +21° | | | 16ᵘ | | +21° | | | 16ᵘ—17ᵘ | | +21° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.4 | 33 | 49.8 | 25.6 | | 9.5 | 53 | 24.9 | 42.4 | | 9.5 | 20 | 5.3 | 15.6 | | 9.2 | 39 | 20.3 | 37.4 | K | 9.2 | 58 | 49.6 | 24.1 | |
| 8.0 | 34 | 0.2 | 50.1 | K | 9.5 | | 38.9 | 47.6 | | 9.3 | | 36.0 | 48.5 | | 8.9 | | 36.8 | 54.0 | Kb | 9.0 | | 51.2 | 20.0 | |
| 9.5 | | 58.3 | 51.5 | | 9.5 | 54 | 4.3 | 55.6 | | 9.4 | 21 | 5.1 | 36.7 | | 9.4 | 40 | 20.0 | 58.9 | | 9.4 | 59 | 6.9 | 56.6 | |
| 9.5 | 35 | 18.6 | 19.3 | | 9.4 | 55 | 16.0 | 24.4 | | 8.0 | | 9.0 | 32.9 | K | 9.5 | | 24.2 | 12.9 | | 9.5 | | 11.1 | 48.3 | |
| 8.3 | 36 | 6.2 | 4.0 | K | 9.5 | | 31.1 | 38.0 | B | 8.2 | | 23.6 | 9.1 | K | 8.7 | | 32.6 | 6.8 | K | 8.0 | | 15.8 | 41.4 | R |
| 9.2 | | 7.3 | 22.5 | | 9.5 | | 32.0 | 15.0 | B | 8.2 | | 27.0 | 12.8 | K | 9.0 | | 59.3 | 49.1 | K | 8.7 | | 16.0 | 31.1 | L |
| 9.5 | 37 | 33.0 | 43.2 | | 8.2 | | 45.4 | 17.6 | B | 9.1 | | 35.5 | 37.4 | | 9.2 | 41 | 0.8 | 56.0 | K | 9.0 | | 29.9 | 13.8 | |
| 9.4 | | 45.7 | 15.1 | | 9.5 | 56 | 20.0 | 31.4 | | 7.9 | | 39.8 | 58.7 | B | 9.4 | | 0.9 | 39.8 | | 9.0 | 0 | 8.9 | 54.3 | |
| 9.5 | | 54.9 | 58.7 | B | 9.5 | | 22.8 | 40.5 | | 9.5 | 22 | 25.7 | 55.5 | | 9.2 | | 42.8 | 57.4 | | 9.2 | | 9.2 | 16.0 | |
| 9.4 | 38 | 10.2 | 6.8 | | 9.4 | 59 | 7.6 | 24.3 | | 9.5 | | 36.5 | 21.9 | | 9.5 | 42 | 17.0 | 1.1 | | 9.0 | | 12.6 | 46.0 | |
| 8.9 | | 18.6 | 41.7 | K | 8.5 | | 36.1 | 36.6 | K | 9.4 | | 36.7 | 55.0 | | 8.5 | | 20.8 | 39.1 | K | 9.5 | | 28.9 | 25.9 | |
| 7.0 | | 33.3 | 19.6 | K | 9.5 | 0 | 9.2 | 5.1 | | 9.4 | | 39.4 | 45.7 | | 9.5 | 43 | 2.9 | 28.0 | | 8.9 | 1 | 9.9 | 53.9 | |
| 7.0 | | 33.7 | 54.4 | K | 9.0 | | 23.1 | 47.1 | K | 9.5 | 23 | 27.2 | 12.4 | | 8.1 | | 38.1 | 54.9 | K | 8.2 | | 59.0 | 11.0 | K |
| 9.3 | | 42.4 | 52.4 | | 9.4 | 1 | 7.4 | 25.0 | | 2.5 | | 59.8 | 49.3 | K | 9.4 | 44 | 16.3 | 22.2 | | 9.3 | 2 | 11.9 | 28.7 | |
| 9.3 | | 44.9 | 38.3 | | 8.0 | 2 | 24.4 | 27.4 | K | 9.3 | 25 | 0.2 | 8.7 | | 9.5 | | 57.2 | 39.6 | | 9.5 | | 32.7 | 31.1 | |
| 8.5 | 39 | 7.8 | 37.3 | K | 9.2 | | 42.2 | 0.8 | | 9.0 | 26 | 6.4 | 25.0 | | 9.5 | 45 | 32.9 | 43.9 | | 9.5 | | 50.3 | 37.0 | |
| 9.5 | | 25.9 | 32.8 | | 9.4 | 3 | 55.7 | 4.1 | B | 9.5 | | 14.1 | 56.8 | | 7.8 | 46 | 26.6 | 13.2 | K | 9.5 | | 56.9 | 48.4 | |
| 9.2 | 40 | 2.3 | 49.4 | Kb | 8.9 | | 56.8 | 48.1 | K | 9.5 | | 17.0 | 4.5 | | 9.3 | | 38.6 | 3.1 | | 9.5 | 4 | 3.6 | 39.5 | |
| 9.0 | 41 | 10.7 | 44.6 | K | 8.7 | 4 | 1.1 | 30.9 | K | 9.0 | | 24.3 | 47.4 | K | 8.0 | 47 | 30.6 | 25.6 | K | 7.8 | | 18.7 | 23.9 | B |
| 9.5 | | 51.3 | 59.4 | B | 8.9 | | 23.9 | 6.0 | K | 8.5 | | 25.6 | 35.0 | | 9.5 | | 30.9 | 45.1 | B | 9.5 | | 42.6 | 29.4 | |
| 8.8 | 42 | 2.1 | 0.1 | K | 9.5 | | 33.4 | 43.3 | | 9.1 | | 57.4 | 2.8 | b | 9.1 | 48 | 5.8 | 46.3 | | 9.3 | | 54.7 | 15.8 | B |
| 9.3 | | 35.3 | 40.3 | | 8.3 | 5 | 6.4 | 18.4 | K | 9.5 | 27 | 47.8 | 59.9 | | 6.0 | | 40.1 | 13.1 | K | 9.4 | 5 | 20.2 | 15.1 | |
| 9.1 | 43 | 0.2 | 40.3 | | 9.0 | | 22.8 | 2.4 | K | 9.0 | 28 | 6.6 | 34.6 | K | 9.5 | | 49.4 | 3.3 | | 7.5 | | 54.0 | 24.6 | S |
| 9.4 | | 9.4 | 53.8 | B | 9.5 | | 46.4 | 8.0 | | 9.5 | | 29.2 | 5.8 | | 8.6 | | 53.3 | 35.0 | K | 9.3 | 6 | 1.0 | 48.1 | |
| 9.0 | | 22.8 | 10.5 | | 8.3 | 6 | 34.7 | 54.7 | K | 9.5 | 29 | 14.7 | 54.0 | | 7.8 | 49 | 8.4 | 43.5 | K | 9.4 | | 17.8 | 9.5 | |
| 9.3 | 44 | 3.8 | 0.9 | | 6.8 | | 51.9 | 56.1 | K | 9.0 | | 21.3 | 36.7 | | 9.3 | | 27.2 | 6.1 | | 9.0 | | 21.7 | 24.5 | K |
| 8.0 | | 6.4 | 41.4 | K | 9.5 | 7 | 0.0 | 37.4 | | 9.5 | | 23.7 | 9.1 | | 9.5 | 50 | 4.9 | 32.5 | | 8.5 | | 25.2 | 17.3 | K |
| 9.0 | | 45.4 | 54.2 | K | 9.0 | | 11.1 | 32.2 | K | 9.5 | | 57.2 | 6.5 | | 9.5 | | 17.3 | 1.4 | | 9.5 | | 47.1 | 58.2 | B |
| 5.0 | | 54.6 | 25.5 | Kb | 9.4 | | 33.1 | 7.9 | | 8.3 | 30 | 3.0 | 3.1 | P | 8.8 | | 42.3 | 43.0 | K | 9.2 | 7 | 7.4 | 29.0 | B |
| 9.5 | 45 | 9.9 | 47.0 | | 9.5 | 8 | 23.5 | 1.2 | | 8.6 | | 10.9 | 6.9 | K | 9.4 | 51 | 3.3 | 39.5 | | 6.5 | | 29.2 | 37.4 | K |
| 9.5 | | 14.0 | 54.3 | | 9.3 | | 27.4 | 17.3 | | 9.1 | 31 | 18.4 | 20.8 | | 9.5 | | 5.4 | 2.4 | | 8.5 | | 40.2 | 1.1 | |
| 9.4 | | 29.9 | 46.3 | | 8.8 | | 50.2 | 24.3 | K | 9.5 | | 26.9 | 47.1 | | 9.4 | | 17.0 | 8.0 | | 9.4 | | 47.9 | 30.2 | |
| 9.3 | | 34.7 | 54.0 | | 8.5 | 9 | 18.4 | 48.3 | K | 9.1 | | 54.8 | 13.2 | b | 8.7 | | 22.6 | 13.6 | K | 9.3 | 8 | 16.2 | 54.9 | |
| 8.5 | | 57.4 | 59.2 | K | 9.5 | | 36.6 | 2.8 | | 8.2 | 32 | 19.4 | 49.2 | K | 9.5 | 52 | 0.0 | 34.6 | a | 9.5 | | 21.0 | 43.6 | |
| 9.3 | 46 | 6.9 | 11.0 | | 9.0 | 10 | 53.7 | 35.4 | K | 7.7 | | 48.7 | 57.9 | K | 9.3 | | 5.8 | 53.7 | | 9.4 | | 51.2 | 43.6 | |
| 9.3 | | 16.5 | 30.0 | | 9.0 | 11 | 10.1 | 18.0 | | 9.2 | | 57.7 | 35.7 | | 9.2 | | 15.3 | 59.7 | | 8.6 | | 59.9 | 44.2 | K |
| 9.2 | | 25.3 | 4.8 | | 8.0 | 12 | 5.1 | 23.6 | K | 8.8 | | 57.9 | 25.6 | K | 9.3 | | 29.7 | 33.9 | Kb | 9.5 | 9 | 4.2 | 49.8 | |
| 8.8 | | 52.3 | 18.5 | Kb | 9.3 | | 34.9 | 11.8 | | 9.3 | 33 | 16.8 | 26.0 | | 9.5 | | 30.8 | 54.0 | | 9.5 | | 40.9 | 7.1 | |
| 9.3 | 47 | 8.2 | 35.9 | | 9.1 | | 36.1 | 22.9 | | 8.2 | | 37.6 | 31.5 | K | 9.4 | | 33.2 | 4.5 | | 9.4 | 10 | 30.9 | 32.8 | B |
| 9.5 | | 14.3 | 10.6 | | 9.5 | | 56.0 | 26.3 | | 9.5 | | 37.9 | 40.1 | | 9.5 | 53 | 28.6 | 3.9 | | 9.5 | | 33.9 | 42.5 | |
| 9.3 | | 47.0 | 45.2 | | 9.0 | 13 | 46.1 | 13.5 | | 9.5 | 34 | 13.4 | 17.0 | | 9.3 | 54 | 19.4 | 42.0 | K | 9.5 | | 36.2 | 12.5 | |
| 9.3 | 48 | 2.4 | 59.0 | B | 6.5 | | 48.4 | 29.1 | K | 8.5 | | 14.3 | 47.7 | Kb | 7.3 | | 55.4 | 43.4 | K | 9.0 | | 46.0 | 51.2 | |
| 8.8 | | 9.3 | 39.7 | | 9.5 | 15 | 3.1 | 51.9 | | 9.3 | | 16.4 | 25.6 | K | 9.5 | 55 | 29.8 | 2.3 | | 9.5 | 11 | 4.2 | 53.6 | |
| 9.5 | | 27.8 | 6.1 | | 8.5 | | 4.7 | 43.5 | K | 9.5 | 35 | 17.0 | 47.1 | | 9.3 | | 30.3 | 36.5 | K | 8.7 | | 4.5 | 22.4 | K |
| 9.4 | | 37.9 | 20.7 | | 9.5 | | 22.9 | 7.2 | | 9.2 | | 22.7 | 9.6 | K | 9.5 | | 36.6 | 34.2 | | 9.4 | | 24.8 | 26.5 | |
| 8.2 | | 42.3 | 59.7 | K | 9.5 | | 24.2 | 30.5 | | 8.7 | | 29.5 | 18.1 | K | 9.5 | 56 | 9.0 | 26.7 | | 9.2 | | 42.5 | 1.7 | K |
| 9.3 | 49 | 13.9 | 45.6 | | 8.2 | | 26.4 | 59.8 | K | 9.5 | | 31.3 | 23.4 | B | 9.2 | | 11.4 | 2.6 | | 9.5 | 12 | 6.9 | 21.5 | |
| 9.1 | | 15.7 | 16.0 | Bb | 9.5 | | 50.1 | 4.9 | | 9.5 | | 56.9 | 7.2 | | 9.5 | | 22.4 | 1.0 | | 9.2 | | 26.5 | 32.5 | K |
| 9.3 | | 49.6 | 45.4 | | 8.5 | 16 | 3.7 | 46.3 | | 9.5 | 36 | 0.6 | 59.2 | | 9.1 | | 38.5 | 36.3 | B | 8.1 | | 30.9 | 55.9 | K |
| 9.2 | | 53.0 | 49.1 | B | 9.0 | | 5.1 | 18.0 | | 7.3 | | 14.4 | 51.2 | L | 9.4 | | 50.6 | 15.9 | | 9.4 | | 33.9 | 56.0 | |
| 8.2 | 50 | 6.2 | 41.4 | K | 9.5 | | 54.7 | 24.0 | a | 9.5 | | 23.2 | 51.5 | | 7.5 | | 53.5 | 46.9 | Lb | 9.5 | 13 | 3.6 | 4.1 | |
| 9.2 | | 35.8 | 1.6 | K | 9.2 | 17 | 6.8 | 4.9 | K | 9.1 | | 24.6 | 11.6 | | 9.3 | 57 | 0.6 | 30.3 | | 9.4 | | 9.6 | 48.1 | |
| 9.3 | 51 | 7.5 | 18.2 | | 8.2 | | 17.8 | 23.6 | K | 8.6 | | 32.2 | 56.0 | L | 9.5 | | 1.9 | 35.8 | | 9.5 | | 24.6 | 20.8 | |
| 9.1 | | 21.4 | 22.9 | B | 9.5 | | 24.1 | 6.9 | B | 9.5 | 37 | 18.4 | 16.7 | | 9.5 | | 13.9 | 20.0 | | 9.5 | | 40.5 | 48.8 | |
| 8.9 | | 25.5 | 19.1 | B | 8.8 | 18 | 20.4 | 9.7 | K | 8.9 | | 23.1 | 51.0 | B | 8.7 | | 45.4 | 5.4 | K | 9.1 | | 52.9 | 34.6 | |
| 8.6 | | 47.7 | 49.0 | K | 9.1 | | 24.1 | 41.5 | b | 8.2 | | 27.9 | 51.2 | Kb | 9.5 | 58 | 7.6 | 34.6 | | 9.5 | 14 | 8.3 | 12.3 | |
| 9.3 | 52 | 29.3 | 36.9 | | 9.3 | | 36.2 | 23.5 | B | 9.5 | | 55.3 | 39.8 | | 8.2 | | 10.5 | 53.6 | K | 9.5 | | 13.8 | 2.0 | |
| 9.4 | 53 | 0.7 | 29.7 | B | 9.5 | | 49.9 | 55.1 | | 9.1 | 38 | 23.4 | 1.0 | | 9.3 | | 16.9 | 45.0 | | 9.1 | | 19.5 | 11.8 | b |
| 9.2 | | 9.4 | 36.9 | K | 9.3 | 19 | 10.4 | 9.3 | | 9.4 | | 29.2 | 54.4 | | 9.0 | | 20.9 | 57.4 | K | 9.4 | | 27.2 | 13.1 | |
| 9.5 | | 11.6 | 24.7 | | 9.2 | | 14.7 | 14.3 | B | 9.0 | | 47.0 | 9.6 | | 9.1 | | 32.0 | 20.8 | | 7.2 | | 35.9 | 41.9 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 26.34 | 1.86 | | 10pr. | | 26.07 | 1.56 | | 10pr. | | 25.85 | 1.27 | | 10pr. | | 25.68 | 0.99 | | 10pr. | | 25.59 | 0.76 | |

### 3101—3160

| m | 17ʰ | +21° | |
|---|---|---|---|
| 9.4 | 14′ 50.3 | 51.9 | |
| 9.5 | 15 9.4 | 3.1 | |
| 7.0 | 51.2 | 17.7 | Kb |
| 9.4 | 55.3 | 21.2 | B |
| 8.8 | 56.7 | 55.4 | |
| 9.5 | 16 3.5 | 6.1 | |
| 8.7 | 12.2 | 5.2 | K |
| 8.7 | 20.0 | 10.7 | K |
| 9.0 | 20.6 | 5.5 | |
| 9.3 | 17 13.1 | 23.5 | |
| 9.1 | 28.3 | 42.9 | b |
| 9.1 | 51.9 | 33.9 | |
| 9.5 | 18 28.2 | 47.0 | |
| 9.3 | 36.0 | 2.9 | |
| *9.1 | 50.2 | 21.1 | b |
| 9.5 | 55.8 | 9.1 | |
| 9.5 | 19 15.2 | 22.1 | |
| 9.4 | 54.3 | 1.0 | B |
| 9.3 | 56.9 | 7.9 | |
| 9.2 | 57.5 | 58.4 | |
| 9.0 | 57.9 | 28.0 | |
| 9.5 | 20 11.5 | 4.2 | |
| 9.0 | 19.7 | 33.2 | K |
| 8.1 | 57.1 | 50.7 | K |
| 9.4 | 58.0 | 7.1 | |
| 9.5 | 21 6.8 | 6.7 | |
| 9.0 | 20.0 | 28.0 | Kb |
| 9.3 | 32.3 | 39.5 | |
| 9.4 | 49.5 | 47.3 | |
| 9.5 | 54.0 | 14.6 | |
| 9.4 | 22 4.7 | 18.6 | B |
| 9.5 | 6.2 | 23.2 | |
| 8.8 | 9.1 | 31.3 | |
| 8.4 | 21.9 | 48.1 | K |
| 9.4 | 25.8 | 23.1 | |
| 9.5 | 59.6 | 57.4 | |
| 9.5 | 23 44.7 | 53.9 | |
| 9.4 | 48.8 | 43.5 | |
| 9.5 | 24 10.2 | 18.5 | |
| 9.5 | 42.2 | 2.4 | B |
| 9.5 | 45.4 | 43.2 | |
| 8.8 | 52.8 | 56.4 | K |
| 8.1 | 55.1 | 8.7 | L |
| 9.3 | 25 21.4 | 51.0 | |
| 9.5 | 35.3 | 0.0 | |
| 8.2 | 26 1.7 | 22.8 | K |
| 9.5 | 41.4 | 12.6 | |
| 9.5 | 42.0 | 50.3 | |
| 9.5 | 42.2 | 45.4 | |
| 8.7 | 45.5 | 58.6 | K |
| 9.3 | 27 13.6 | 53.7 | |
| 9.1 | 25.6 | 26.9 | |
| 7.8 | 46.0 | 40.6 | K |
| 9.3 | 55.9 | 57.7 | |
| 9.5 | 29 5.6 | 59.8 | |
| 9.5 | 17.2 | 43.6 | |
| 6.0 | 47.5 | 5.7 | K |
| 9.0 | 51.7 | 11.2 | K |
| 9.5 | 30 6.7 | 41.0 | |
| 9.5 | 23.8 | 25.8 | |

| 10pr. | + 25.52 | — 0.55 |
|---|---|---|

### 3161—3220

| m | 17ʰ | +21° | |
|---|---|---|---|
| 9.5 | 30′ 48.5 | 53.9 | |
| 9.5 | 31 1.6 | 37.6 | |
| 8.5 | 2.7 | 10.3 | K |
| 9.2 | 6.6 | 52.8 | b |
| 9.4 | 8.2 | 31.0 | |
| 9.5 | 15.8 | 34.9 | |
| 8.5 | 16.7 | 14.3 | K |
| 9.5 | 21.6 | 5.6 | |
| 9.5 | 34.6 | 52.1 | |
| 7.8 | 56.1 | 2.0 | L |
| 9.2 | 56.5 | 34.8 | |
| 9.4 | 32 18.4 | 2.5 | |
| 9.1 | 21.3 | 18.8 | |
| 9.5 | 37.5 | 40.0 | |
| 8.5 | 39.7 | 19.9 | Lb |
| 9.0 | 52.7 | 10.1 | |
| 9.3 | 53.2 | 30.7 | |
| 9.4 | 33 7.7 | 20.6 | |
| 9.0 | 15.2 | 30.6 | |
| 9.0 | 22.2 | 50.3 | |
| 9.5 | 41.1 | 41.6 | |
| 8.3 | 46.2 | 47.6 | K |
| 9.5 | 59.1 | 57.4 | |
| 9.5 | 34 14.1 | 47.3 | |
| 9.5 | 35 8.0 | 11.4 | |
| 9.4 | 23.0 | 15.9 | |
| 9.5 | 31.5 | 47.6 | |
| 7.5 | 41.6 | 36.3 | K |
| 8.1 | 45.7 | 11.5 | S |
| 8.5 | 46.0 | 0.6 | |
| 8.7 | 51.7 | 31.1 | K |
| 9.3 | 52.2 | 37.0 | a |
| 8.5 | 56.6 | 5.6 | |
| 9.5 | 36 11.8 | 58.6 | |
| 9.5 | 42.1 | 43.2 | |
| 9.3 | 42.6 | 22 5 | |
| 9.5 | 56.6 | 56.8 | |
| 7.5 | 37 9.0 | 42.2 | K |
| 9.5 | 17.6 | 11.5 | |
| 8.7 | 19.0 | 44.2 | K |
| 9.5 | 57.9 | 1.5 | |
| 9.5 | 38 3.1 | 33.2 | |
| 8.7 | 5.7 | 54.4 | K |
| 9.4 | 39 0 8 | 10.8 | |
| 9.4 | 8.1 | 57.4 | |
| 9.5 | 28.1 | 11.1 | |
| 9.4 | 28.4 | 3.4 | |
| 8.0 | 46.5 | 56.4 | K |
| 9.0 | 47.5 | 56.3 | |
| 9.4 | 52.0 | 59.9 | |
| 9.5 | 40 13.2 | 9.0 | |
| 8.5 | 20.3 | 45.7 | K |
| 8.9 | 31.1 | 33.5 | K |
| 9.5 | 31.1 | 15.9 | |
| 9.5 | 32.1 | 18.0 | |
| 9.5 | 54.9 | 2.5 | |
| 9.5 | 41 4.6 | 52.9 | |
| 9.5 | 38.1 | 12.7 | |
| 9.0 | 40.3 | 8.8 | |
| 9.5 | 42 11.0 | 58.8 | |

| 10pr. | + 25.48 | — 0.35 |
|---|---|---|

### 3221—3280

| m | 17ʰ | +21° | |
|---|---|---|---|
| 9.1 | 42′ 23.1 | 11.3 | |
| 8.0 | 28.1 | 8.3 | K |
| 9.5 | 53.4 | 0.6 | |
| 9.5 | 54.6 | 25.6 | |
| 9.3 | 43 2.8 | 16.3 | |
| 8.8 | 9.1 | 23.3 | |
| 9.5 | 34.9 | 50.6 | |
| 8.3 | 39.2 | 26.2 | Kb |
| 9.5 | 44 5.8 | 50.4 | |
| 9.5 | 32.6 | 47.6 | |
| 9.3 | 54.6 | 35.6 | |
| 8.6 | 45 12.6 | 8.1 | L |
| 9.2 | 15.6 | 12.2 | |
| 9.5 | 26.3 | 29.8 | |
| 9.1 | 27.1 | 52.3 | b |
| 9.3 | 41.4 | 2.5 | |
| 9.5 | 46 27.5 | 43.3 | |
| 9.5 | 34.4 | 49.6 | |
| 9.0 | 42.9 | 34.3 | |
| 9.3 | 56.0 | 27.5 | |
| 9.5 | 47 9.8 | 57.0 | |
| 9.4 | 10.4 | 10.0 | |
| 8.3 | 19.3 | 4.8 | K |
| 9.1 | 21.8 | 57.0 | |
| 8.7 | 23.0 | 20.2 | K |
| 8.5 | 48 11.2 | 3.2 | L |
| 9.0 | 30.1 | 2.0 | |
| 9.0 | 50.6 | 17.0 | K |
| 8.1 | 55.6 | 38.0 | K |
| 9.3 | 49 22.9 | 5.2 | |
| 9.5 | 29.1 | 18.7 | |
| 9.5 | 55.8 | 7.8 | |
| 8.0 | 59.7 | 30.0 | K |
| 9.3 | 50 1.0 | 6.8 | |
| 9.5 | 6.2 | 7.8 | |
| 9.0 | 16.6 | 6.3 | |
| 9.0 | 22.2 | 0.2 | B |
| 9.5 | 37.4 | 2.5 | |
| 9.5 | 46.6 | 5.3 | |
| 8.5 | 51 5.6 | 21.2 | K |
| 9.5 | 7.0 | 26.3 | |
| 9.5 | 11.1 | 25.3 | |
| 9.1 | 14.1 | 11.5 | |
| 9.2 | 16.3 | 54.6 | |
| 9.2 | 21.7 | 11.5 | |
| 8.6 | 24.3 | 43.6 | |
| 9.5 | 25.0 | 31.8 | |
| 9.5 | 35.2 | 31.0 | |
| 8.2 | 56.6 | 20.3 | Kb |
| 9.0 | 52 13.5 | 9.8 | |
| 9.5 | 19.1 | 29.1 | |
| 9.5 | 53 0.4 | 13.9 | |
| 9.5 | 30.6 | 11.8 | |
| 8.6 | 54 9.7 | 54.2 | |
| 9.5 | 10.1 | 58.0 | |
| 9.0 | 13.1 | 11.5 | |
| 9.0 | 55 3.2 | 16.0 | |
| 9.2 | 3.5 | 41.1 | R |
| 9.5 | 15.0 | 23.6 | |
| 4.2 | 24.7 | 36.7 | Sb |

| 10pr. | + 25.46 | — 0.16 |
|---|---|---|

### 3281—3340

| m | 17ʰ—18ʰ | +21° | |
|---|---|---|---|
| 9.0 | 55′ 36.5 | 17.7 | |
| 9.1 | 44.5 | 56.0 | |
| 9.2 | 49.8 | 0.0 | |
| 9.5 | 56.3 | 17.7 | |
| 9.0 | 56 9.1 | 52.5 | |
| 9.1 | 15.9 | 40.4 | |
| 9.5 | 18.6 | 1.5 | |
| 9.5 | 53.7 | 33.2 | |
| 9.5 | 57 9.6 | 32.5 | |
| 9.5 | 37.5 | 3.1 | |
| 9.5 | 58 4.7 | 29.0 | |
| 8.8 | 24.7 | 43.3 | K |
| 9.3 | 25.0 | 0.4 | |
| 9.2 | 34.2 | 55.3 | |
| 9.4 | 46.0 | 1.3 | |
| 8.2 | 50.6 | 26.9 | K |
| 9.5 | 57.4 | 13.5 | |
| 9.2 | 59 4.7 | 34.7 | |
| 9.5 | 13.1 | 28.0 | |
| 7.5 | 21.1 | 38.4 | K |
| 7.7 | 35.6 | 25.6 | K |
| 7.5 | 42.1 | 26.3 | K |
| 9.5 | 56.6 | 22.8 | |
| 9.5 | 58.0 | 26.0 | |
| 9.2 | 0 24.7 | 52.8 | |
| 9.5 | 34.6 | 28.5 | B |
| 8.5 | 38.8 | 0.0 | K |
| 8.0 | 55.0 | 45.8 | K |
| 9.2 | 1 13.5 | 42.7 | B |
| 9.5 | 15.5 | 4.8 | |
| 9.5 | 23.6 | 41.5 | |
| 9.4 | 24.9 | 36.7 | |
| 9.5 | 45.1 | 53.0 | |
| 9.5 | 46.1 | 4.0 | |
| 9.5 | 57.4 | 32.9 | |
| 9.5 | 59.5 | 25.7 | |
| 9.5 | 2 10.7 | 31.0 | |
| 9.5 | 46.0 | 37.6 | |
| 8.5 | 47.3 | 57.3 | |
| 9.1 | 53.1 | 21.7 | B |
| 9.5 | 58.7 | 6.5 | |
| 9.4 | 3 3.4 | 28.5 | |
| 8.7 | 20.3 | 7.5 | K |
| 9.1 | 32.5 | 14.2 | |
| 8.0 | 35.5 | 19.5 | B |
| 9.4 | 46.5 | 25.1 | |
| 9.5 | 58.3 | 43.0 | |
| 8.5 | 4 25.4 | 0.4 | Kb |
| 9.1 | 26.9 | 9.9 | |
| 9.5 | 31.1 | 14.8 | |
| 9.4 | 36.6 | 19.6 | |
| 9.5 | 41.7 | 32.0 | |
| 9.3 | 44.9 | 34.7 | |
| 9.5 | 5 1.0 | 59.4 | |
| 9.4 | 10.8 | 44.8 | B |
| 9.0 | 16.6 | 4 6 | K |
| 9.5 | 22.0 | 28.7 | |
| 9.4 | 27.4 | 31.5 | |
| 9.5 | 31.9 | 57.4 | |
| 9.2 | 34.4 | 53.2 | |

| 10pr. | + 25.45 | + 0.02 |
|---|---|---|

### 3341—3400

| m | 18ʰ | +21° | |
|---|---|---|---|
| 9.5 | 5′ 41.0 | 30.2 | B |
| 9.4 | 47.8 | 25.2 | |
| 9.5 | 6 12.9 | 27.3 | |
| 8.7 | 17.0 | 42.1 | K |
| 9.3 | 21.8 | 49.2 | |
| 9.5 | 28.9 | 58.9 | |
| 7.0 | 7 7.5 | 50.8 | B |
| 8.8 | 13.4 | 9.5 | |
| 9.5 | 34.3 | 36.5 | |
| 9.5 | 38.1 | 38.8 | |
| 9.5 | 40.6 | 48.9 | |
| 9.5 | 49.3 | 39.5 | |
| 9.2 | 8 1.9 | 24.4 | B |
| 9.5 | 7.3 | 53.1 | |
| 8.9 | 14.4 | 25.1 | K |
| 9.3 | 15.4 | 24.8 | |
| 9.3 | 24.3 | 29.2 | |
| 9.2 | 33.9 | 3.7 | |
| 9.5 | 37.1 | 12.0 | |
| 9.2 | 50.8 | 34.4 | |
| 8.3 | 52.9 | 50.4 | K |
| 9.4 | 54.8 | 35.4 | |
| 9.1 | 9 3.7 | 45.1 | B |
| 9.5 | 18.6 | 17.5 | |
| 9.5 | 32.9 | 39.5 | |
| 9.5 | 54.8 | 32.3 | |
| 9.5 | 57.1 | 36.7 | |
| 9.5 | 10 18.3 | 53.4 | |
| 8.8 | 31.4 | 19.6 | |
| 9.5 | 53.7 | 8.3 | B |
| 8.6 | 58.0 | 51.5 | K |
| 9.1 | 11 0.4 | 8.8 | B |
| 9.3 | 8.5 | 3.3 | |
| 9.0 | 14.2 | 18.0 | B |
| 9.0 | 17.2 | 54.5 | K |
| 9.0 | 21.2 | 28.8 | B |
| 8.5 | 46.9 | 11.6 | K |
| 8.2 | 49.8 | 56.7 | K |
| 9.5 | 12 10.9 | 5.1 | |
| 9.5 | 31.7 | 54.2 | B |
| 8.5 | 43.5 | 4.8 | |
| 9.3 | 49.9 | 6.1 | |
| 9.1 | 52.3 | 33.8 | b |
| 9.5 | 13 20.4 | 22.4 | |
| 8.8 | 25.8 | 29.3 | |
| 9.0 | 52.2 | 10.9 | |
| 7.6 | 14 7.0 | 55.0 | 21.3 |
| 8.6 | 8.3 | 0.8 | B |
| 6.0 | 10.7 | 18.1 | |
| 9.4 | 30.5 | 54.2 | Kb |
| 9.1 | 32.2 | 56.7 | |
| 9.4 | 41.7 | 12.0 | |
| 8.9 | 50.8 | 53.9 | |
| 9.5 | 15 1.6 | 57.1 | K |
| 9.4 | 2.1 | 41.6 | |
| 9.5 | 19.4 | 45.8 | |
| 9.5 | 29.5 | 53.1 | B |
| 8.8 | 34.3 | 39.4 | |
| 7.5 | 39.4 | 17.7 | K |
| | | 26.3 | K |

| 10pr. | + 25.46 | + 0.16 |
|---|---|---|

3114 a
9.7 | 18 38.3 | 56.6 | B

3401—3460

| m | 18ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 15′ 41.8 | 56.7 | |
| 8.2 | 51.0 | 12.0 | K |
| 9.5 | 16 20.5 | 32.3 | |
| 9.5 | 21.1 | 45.4 | |
| 9.2 | 34.7 | 52.3 | b |
| 9.3 | 49.5 | 36.5 | |
| 9.5 | 17 0.0 | 11.7 | |
| 9.4 | 19.6 | 8.0 | |
| 9.2 | 20.4 | 25.7 | |
| 9.4 | 25.9 | 13.2 | B |
| 4.5 | 30.6 | 42.1 | K |
| 9.3 | 47.3 | 38.6 | B |
| 9.4 | 18 2.5 | 44.3 | |
| 9.5 | 7.3 | 39.3 | |
| 9.3 | 28.0 | 2.7 | |
| 9.0 | 32.1 | 6.0 | K |
| 9.4 | 40.4 | 23.8 | |
| 9.4 | 42.5 | 51.4 | B |
| 7.7 | 43.2 | 7.3 | K |
| 9.5 | 47.6 | 55.9 | |
| 9.5 | 19 3.4 | 28.1 | |
| 9.5 | 9.2 | 11.6 | |
| 9.5 | 9.7 | 13.0 | |
| 9.5 | 12.5 | 59.9 | |
| 8.1 | 20.8 | 57.0 | K |
| 9.0 | 40.0 | 59.6 | B |
| 8.5 | 47.4 | 31.3 | K |
| 9.5 | 50.1 | 32.2 | |
| 9.2 | 59.7 | 48.6 | |
| 9.5 | 20 0.2 | 55.4 | |
| 9.0 | 17.6 | 48.8 | B |
| 9.2 | 21.8 | 6.0 | B |
| 8.7 | 22.1 | 42.3 | |
| 9.2 | 28.8 | 56.6 | |
| 9.3 | 55.3 | 21.0 | |
| 9.5 | 21 4.3 | 18.3 | |
| 9.5 | 16.6 | 45.9 | |
| 8.7 | 29.6 | 43.0 | R |
| 8.3 | 29.8 | 22.3 | K |
| 9.5 | 30.0 | 15.6 | |
| 9.5 | 50.3 | 53.2 | |
| 9.5 | 57.5 | 38.4 | |
| 9.5 | 22 4.0 | 13.3 | |
| 9.5 | 17.5 | 37.9 | |
| 9.0 | 20.7 | 50.5 | |
| 9.3 | 29.2 | 11.2 | |
| 9.5 | 29.7 | 13.7 | |
| 9.5 | 31.5 | 33.7 | |
| 9.2 | 37.9 | 3.5 | |
| 9.0 | 46.7 | 50.5 | |
| 8.9 | 23 8.6 | 43.1 | |
| 9.3 | 16.3 | 18.1 | |
| 9.3 | 19.4 | 28.4 | |
| 9.5 | 37.3 | 44.9 | |
| 9.3 | 38.8 | 50.6 | B |
| 8.0 | 43.7 | 55.3 | K |
| 8.0 | 49.4 | 25.9 | K |
| 9.3 | 58.5 | 35.9 | |
| 7.8 | 24 7.6 | 46.0 | K |
| 9.5 | 10.4 | 30.7 | |
| | + | + | |
| 10pr. | 25.47 | 0.29 | |

3461—3520

| m | 18ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 24′ 32.4 | 39.9 | |
| 9.1 | 39.2 | 6.7 | K |
| 9.4 | 47.1 | 16.1 | |
| 8.8 | 48.3 | 23.3 | K |
| 8.0 | 50.5 | 33.2 | K |
| 9.1 | 58.7 | 51.0 | |
| 9.5 | 25 6.1 | 10.9 | |
| 9.5 | 6.5 | 40.7 | |
| 9.5 | 34.6 | 4.6 | |
| 7.8 | 36.6 | 48.3 | K |
| 9.4 | 26 14.5 | 37.2 | |
| 9.4 | 18.7 | 53.5 | |
| 9.1 | 52.3 | 22.1 | b |
| 9.5 | 27 9.0 | 18.7 | |
| 8.9 | 17.7 | 54.0 | |
| 9.0 | 25.7 | 50.5 | |
| 8.2 | 45.6 | 43.1 | K |
| 9.0 | 53.0 | 5.1 | K |
| 9.3 | 55.4 | 27.0 | |
| 9.3 | 28 9.1 | 6.0 | |
| 7.9 | 21.0 | 4.0 | K |
| 9.5 | 26.4 | 30.9 | |
| 7.5 | 36.6 | 22.5 | B |
| 8.3 | 38.1 | 43.3 | K |
| 9.5 | 59.8 | 35.4 | |
| 9.0 | 29 6.6 | 43.8 | |
| 9.3 | 9.4 | 11.8 | B |
| 8.7 | 9.5 | 36.6 | |
| 9.4 | 11.5 | 11.0 | |
| 8.9 | 19.6 | 35.8 | |
| 9.5 | 59.4 | 30.9 | |
| 8.8 | 30 7.5 | 35.8 | |
| 9.1 | 15.8 | 57.5 | |
| 6.9 | 28.8 | 59.1 | K |
| 8.5 | 38.2 | 13.0 | |
| 9.5 | 48.5 | 2.4 | |
| 9.5 | 49.8 | 14.7 | |
| 9.0 | 31 13.6 | 44.1 | |
| 9.5 | 26.7 | 50.8 | |
| 8.5 | 30.3 | 23.6 | |
| 9.5 | 30.9 | 0.4 | |
| 9.3 | 38.6 | 43.4 | |
| 9.3 | 50.8 | 59.1 | |
| 9.5 | 32 20.1 | 1.6 | |
| 9.5 | 20.6 | 3.8 | |
| 9.0 | 49.2 | 7.8 | |
| 9.5 | 33 1.9 | 15.1 | |
| 9.5 | 2.4 | 23.3 | |
| 9.5 | 2.7 | 50.3 | |
| 9.5 | 18.9 | 5.3 | B |
| 9.5 | 23.1 | 3.7 | |
| 9.5 | 50.7 | 51.7 | |
| 9.5 | 50.9 | 29.0 | |
| 9.5 | 58.8 | 0.7 | |
| 8.5 | 34 4.3 | 16.7 | K |
| 9.5 | 23.5 | 40.0 | |
| 9.5 | 27.6 | 45.7 | |
| 8.8 | 40.5 | 33.8 | K |
| 9.5 | 50.9 | 47.2 | |
| 9.2 | 53.3 | 21.4 | |
| | + | + | |
| 10pr. | 25.49 | 0.43 | |

3521—3580

| m | 18ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 34′ 57.8 | 2.6 | B |
| 9.5 | 35 25.3 | 17.0 | |
| 9.5 | 47.6 | 41.1 | B |
| 9.5 | 49.9 | 59.9 | |
| 9.4 | 53.4 | 46.0 | |
| 9.3 | 36 6.2 | 12.6 | |
| 9.5 | 25.4 | 28.7 | |
| 9.2 | 32.8 | 20.8 | |
| 9.5 | 45.7 | 42.7 | B |
| 9.4 | 56.2 | 22.9 | B |
| 7.7 | 56.4 | 24.7 | L |
| 9.2 | 58.7 | 53.6 | |
| 9.3 | 37 0.2 | 12.1 | L |
| 9.5 | 0.7 | 55.6 | |
| 9.3 | 10.9 | 32.7 | |
| 9.2 | 13.2 | 31.7 | B |
| 9.5 | 30.2 | 7.7 | |
| 9.5 | 53.2 | 7.7 | |
| 9.5 | 38 2.2 | 13.4 | |
| 9.5 | 4.7 | 10.2 | |
| 9.3 | 31.4 | 23.4 | |
| 9.3 | 37.6 | 48.2 | |
| 9.5 | 41.0 | 59.3 | B |
| 9.5 | 49.2 | 13.8 | |
| 9.4 | 53.3 | 16.3 | |
| 9.3 | 54.3 | 36.1 | B |
| 9.5 | 39 2.7 | 51.6 | |
| 9.5 | 11.4 | 2.7 | |
| 9.5 | 26.2 | 5.8 | B |
| 6.9 | 26.6 | 50.2 | K |
| 9.2 | 40.1 | 5.3 | |
| 9.4 | 40.6 | 50.4 | B |
| 9.3 | 40 10.7 | 4.1 | B |
| 9.2 | 41 12.1 | 5.9 | K |
| 9.5 | 43.0 | 29.8 | B |
| 9.4 | 42 6.2 | 4.4 | B |
| 9.5 | 7.2 | 6.0 | |
| 9.5 | 7.5 | 27.1 | |
| 9.5 | 30.4 | 31.1 | |
| 7.1 | 44.9 | 0.4 | K |
| 9.5 | 49.3 | 12.7 | |
| 9.5 | 43 3.0 | 19.9 | B |
| 8.8 | 10.2 | 9.0 | |
| 9.4 | 32.7 | 56.1 | |
| 8.8 | 35.2 | 14.6 | K |
| 9.5 | 42.0 | 26.1 | |
| 9.2 | 45.7 | 56.1 | Rb |
| 9.1 | 48.6 | 41.3 | |
| 9.3 | 44 19.9 | 6.8 | B |
| 9.3 | 25.4 | 8.0 | |
| 8.9 | 32.6 | 41.9 | K |
| 9.5 | 42.3 | 38.9 | |
| 9.5 | 55.0 | 49.9 | |
| 9.1 | 56.7 | 37.4 | aB |
| 8.9 | 45 1.0 | 37.5 | B |
| 8.9 | 4.3 | 43.8 | |
| 9.5 | 18.7 | 6.8 | B |
| 9.5 | 44.1 | 32.6 | |
| 9.5 | 52.2 | 59.9 | |
| 9.3 | 57.3 | 8.8 | |
| | + | + | |
| 10pr. | 25.53 | 0.57 | |

3581—3640

| m | 18ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 45′ 59.0 | 31.0 | |
| 5.5 | 46 4.8 | 15.5 | Kb |
| 9.0 | 16.8 | 12.8 | |
| 9.5 | 29.2 | 51.6 | |
| 9.4 | 31.8 | 8.1 | K |
| 9.4 | 32.6 | 58.4 | |
| 7.8 | 44.8 | 16.9 | K |
| 9.1 | 45.3 | 59.7 | Bb |
| 9.1 | 47 4.7 | 2.9 | K |
| 9.2 | 22.1 | 23.4 | K |
| 9.5 | 23.2 | 54.7 | |
| 9.5 | 23.7 | 57.7 | |
| 9.5 | 47.8 | 2.5 | |
| 9.5 | 55.8 | 1.7 | |
| 9.4 | 59.5 | 5.0 | |
| 9.5 | 48 2.1 | 46.1 | |
| 9.5 | 7.0 | 33.4 | |
| 9.4 | 14.8 | 32.8 | B |
| 9.5 | 54.9 | 0.2 | |
| 9.3 | 49 7.5 | 3.4 | |
| 9.3 | 14.1 | 47.4 | |
| 9.3 | 24.7 | 4.9 | B |
| 9.3 | 27.0 | 36.5 | |
| 9.5 | 37.0 | 24.2 | |
| 9.4 | 39.0 | 25.7 | |
| 9.5 | 41.2 | 24.8 | |
| 9.5 | 43.1 | 19.0 | |
| 9.2 | 50 0.5 | 3.0 | |
| 9.5 | 0.9 | 28.1 | |
| 9.5 | 4.9 | 21.5 | |
| 9.3 | 11.0 | 39.4 | |
| 8.5 | 23.0 | 38.0 | |
| 9.5 | 23.4 | 17.7 | |
| 9.5 | 26.1 | 43.6 | |
| 8.0 | 27.8 | 11.0 | K |
| 9.4 | 32.8 | 8.0 | |
| 9.5 | 38.5 | 58.6 | |
| 9.0 | 51 8.1 | 51.2 | K |
| 8.8 | 13.9 | 17.1 | |
| 9.3 | 16.0 | 40.3 | |
| 9.5 | 30.7 | 2.3 | |
| 9.5 | 35.1 | 47.7 | |
| 9.5 | 44.8 | 2.3 | |
| 9.1 | 52 6.8 | 3.3 | |
| 8.5 | 9.9 | 28.2 | K |
| 8.6 | 13.1 | 53.1 | K |
| 9.5 | 21.0 | 40.3 | |
| 9.5 | 38.2 | 59.9 | |
| 9.4 | 53 17.9 | 23.3 | |
| 8.6 | 32.0 | 27.7 | K |
| 8.2 | 59.8 | 13.9 | K |
| 9.4 | 54 53.1 | 52.4 | |
| 9.5 | 55 5.0 | 1.2 | |
| 6.7 | 5.9 | 18.3 | R |
| 8.9 | 41.2 | 55.0 | |
| 9.5 | 49.2 | 57.5 | |
| 9.5 | 56 2.1 | 49.8 | |
| 9.0 | 21.9 | 18.4 | |
| 8.8 | 30.0 | 32.8 | K |
| 9.4 | 31.0 | 29.6 | |
| | + | + | |
| 10pr. | 25.58 | 0.72 | |

3641—3700

| m | 18ᵘ—19ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 56′ 40.2 | 55.3 | |
| 9.5 | 44.0 | 28.5 | |
| 9.4 | 48.8 | 5.9 | |
| 9.3 | 53.1 | 48.9 | |
| 9.5 | 59.8 | 15.2 | |
| 9.4 | 57 10.0 | 32.8 | |
| 9.2 | 12.9 | 24.4 | |
| 6.7 | 28.8 | 3.4 | K |
| 9.5 | 39.9 | 1.3 | |
| 8.9 | 57.9 | 0.8 | K |
| 9.5 | 58 1.1 | 53.0 | |
| 9.5 | 23.0 | 28.8 | |
| 7.8 | 23.8 | 15.5 | K |
| 7.7 | 26.1 | 52.8 | R |
| 9.4 | 35.9 | 19.7 | |
| 9.5 | 42.2 | 57.0 | |
| 7.7 | 45.7 | 1.1 | K |
| 9.5 | 59 40.8 | 4.9 | |
| 9.0 | 56.1 | 42.2 | |
| 9.4 | 0 2.4 | 52.5 | |
| 8.9 | 7.8 | 16.5 | |
| 9.3 | 9.7 | 25.3 | |
| 8.8 | 11.8 | 9.0 | |
| 9.1 | 32.8 | 53.8 | |
| 9.5 | 33.7 | 21.2 | |
| 7.2 | 43.2 | 57.5 | K |
| 9.2 | 1 25.3 | 1.8 | B |
| 9.5 | 28.4 | 36.5 | |
| 9.5 | 33.0 | 6.0 | |
| 9.3 | 38.1 | 2.0 | |
| 9.5 | 42.9 | 53.8 | |
| 6.2 | 50.9 | 28.1 | K |
| 9.5 | 56.6 | 13.0 | |
| 7.7 | 57.5 | 33.0 | K |
| 9.3 | 2 11.0 | 56.0 | |
| 9.5 | 43.4 | 8.7 | |
| 9.3 | 43.9 | 16.9 | |
| 9.5 | 3 24.0 | 42.9 | |
| 9.5 | 4 1.5 | 53.0 | |
| 9.5 | 3.6 | 43.7 | |
| 9.5 | 22.2 | 56.8 | |
| 9.3 | 22.7 | 54.1 | |
| 8.0 | 33.3 | 2.2 | K |
| 9.5 | 5 1.0 | 4.7 | |
| 9.5 | 3.5 | 23.0 | |
| 7.6 | 8.3 | 1.2 | K |
| 9.5 | 22.0 | 38.3 | |
| 8.8 | 46.1 | 53.4 | Rb |
| 9.4 | 6 24.2 | 59.9 | |
| 6.0 | 25.0 | 18.2 | K |
| 8.7 | 29.3 | 53.4 | |
| 9.1 | 35.1 | 43.8 | |
| 9.5 | 45.4 | 10.8 | |
| 8.8 | 46.3 | 15.7 | |
| 8.2 | 56.0 | 39.9 | B |
| 9.5 | 7 6.2 | 35.2 | |
| 9.5 | 29.8 | 13.5 | |
| 9.5 | 34.1 | 16.2 | |
| 9.4 | 40.4 | 49.6 | |
| 9.3 | 41.6 | 46.1 | |
| | + | + | |
| 10pr. | 25.64 | 0.89 | |

3701—3760

| m | 19ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 7′ 54.0″ | 38.6 | B |
| 9.4 | 54.5 | 8.8 | |
| 9.4 | 55.0 | 45.6 | B |
| 9.5 | 8 1.3 | 45.6 | |
| 9.5 | 12.1 | 23.9 | |
| 9.5 | 20.9 | 27.6 | |
| 9.2 | 30.8 | 7.4 | |
| 9.2 | 37.0 | 44.9 | |
| 9.5 | 38.0 | 19.5 | |
| 9.4 | 9 11.9 | 23.7 | |
| 9.3 | 51.3 | 14.6 | |
| 9.2 | 53.8 | 28.1 | |
| 4.7 | 59.8 | 8.2 | Kb |
| 9.5 | 10 3.5 | 36.3 | |
| 9.3 | 20.7 | 20.5 | |
| 9.5 | 28.6 | 20.5 | |
| 9.2 | 33.1 | 47.7 | |
| 9.5 | 11 15.7 | 4.1 | |
| 7.3 | 20.0 | 33.0 | R |
| 9.1 | 30.2 | 33.0 | |
| 9.1 | 36.3 | 15.7 | |
| 9.5 | 52.0 | 33.5 | |
| 9.2 | 12 1.4 | 28.6 | |
| 9.5 | 6.2 | 33.5 | |
| 9.3 | 13.9 | 23.9 | |
| 8.2 | 21.2 | 41.2 | K |
| 9.3 | 21.8 | 8.3 | |
| 9.5 | 28.4 | 56.5 | |
| 9.2 | 31.0 | 10.8 | K |
| 9.5 | 52.0 | 33.7 | |
| 9.5 | 13 3.1 | 46.3 | |
| 8.5 | 34.7 | 26.0 | K |
| 9.0 | 45.8 | 16.2 | |
| 9.3 | 57.8 | 14.1 | |
| 9.3 | 14 7.1 | 18.1 | |
| 8.1 | 15.0 | 30.7 | B |
| 8.9 | 19.6 | 22.2 | |
| 9.5 | 33.7 | 25.4 | |
| 8.0 | 34.2 | 32.4 | L |
| 6.7 | 42.5 | 55.8 | R |
| 9.5 | 53.2 | 55.6 | |
| 8.9 | 57.7 | 0.4 | |
| 9.2 | 15 10.2 | 56.3 | |
| 9.4 | 10.3 | 25.9 | B |
| 9.5 | 14.2 | 31.3 | B |
| 9.0 | 19.1 | 31.3 | B |
| 9.3 | 24.8 | 10.3 | |
| 9.3 | 28.9 | 23.6 | |
| 9.1 | 57.9 | 7.3 | |
| 9.5 | 16 6.8 | 15.7 | |
| 9.4 | 11.0 | 35.5 | |
| 9.3 | 17.9 | 26.4 | |
| 7.9 | 19.2 | 55.1 | K |
| 9.5 | 24.5 | 38.0 | |
| 9.4 | 32.3 | 53.6 | |
| 9.2 | 35.2 | 56.3 | |
| 9.2 | 44.7 | 2.6 | |
| 9.3 | 47.4 | 17.8 | |
| 9.5 | 49.5 | 43.0 | |
| 9.2 | 17 1.3 | 52.7 | |
| | + | + | |
| 10pr. | 25.71 | 1.05 | |

3761—3820

| m | 19ᵘ | +21° | |
|---|---|---|---|
| 9.5 | 17′ 6.1″ | 48.1 | |
| 9.3 | 34.1 | 36.3 | |
| 9.5 | 35.2 | 41.4 | |
| 8.8 | 46.2 | 59.8 | |
| 9.1 | 49.3 | 45.4 | B |
| 8.3 | 57.9 | 20.8 | K |
| 9.1 | 18 3.5 | 20.2 | αB |
| *8.3 | 17.8 | 14.1 | K |
| *8.1 | 28.7 | 55.5 | Kb |
| 9.4 | 36.3 | 9.6 | |
| 9.5 | 38.9 | 22.9 | |
| 9.0 | 52.7 | 33.0 | |
| 8.5 | 55.2 | 55.7 | K |
| 9.5 | 19 3.7 | 11.2 | |
| 8.5 | 12.7 | 0.4 | L |
| 9.4 | 19.1 | 43.6 | |
| 9.5 | 20.5 | 24.5 | B |
| 9.5 | 39.4 | 24.2 | B |
| 9.5 | 42.1 | 52.5 | |
| 9.4 | 20 8.9 | 19.2 | |
| 9.3 | 21.4 | 31.0 | |
| 7.3 | 30.9 | 21.7 | K |
| 9.4 | 46.7 | 45.0 | |
| 9.5 | 51.9 | 15.7 | |
| 9.1 | 56.2 | 55.5 | |
| 9.3 | 56.5 | 48.9 | |
| 9.1 | 21 8.1 | 24.2 | |
| 9.3 | 13.5 | 40.5 | |
| 9.5 | 45.2 | 38.0 | B |
| 8.4 | 47.7 | 27.7 | K |
| 9.5 | 22 4.9 | 8.2 | |
| 9.5 | 17.5 | 35.6 | |
| 9.2 | 23.8 | 37.0 | |
| 7.7 | 27.1 | 41.0 | K |
| 8.3 | 40.9 | 19.8 | K |
| 9.5 | 43.0 | 36.7 | |
| 9.2 | 54.5 | 43.1 | |
| 9.4 | 58.2 | 46.8 | |
| 8.9 | 23 9.8 | 15.9 | |
| 8.3 | 14.2 | 2.4 | K |
| 9.5 | 31.3 | 58.0 | |
| 9.5 | 37.4 | 51.5 | |
| 9.2 | 38.3 | 19.2 | |
| 9.3 | 51.9 | 22.9 | |
| 9.5 | 24 9.6 | 41.4 | |
| 9.3 | 50.3 | 21.9 | |
| 8.8 | 56.1 | 42.8 | |
| 9.5 | 25 6.2 | 56.2 | |
| 9.1 | 6.5 | 35.2 | |
| 8.4 | 38.7 | 0.7 | K |
| 9.3 | 46.1 | 33.4 | |
| 9.4 | 54.2 | 15.8 | |
| 9.0 | 55.8 | 43.5 | |
| 9.2 | 26 17.0 | 19.0 | |
| 8.5 | 25.2 | 54.3 | |
| 9.0 | 25.9 | 17.8 | |
| 9.2 | 26.3 | 7.5 | |
| 9.5 | 39.5 | 29.5 | |
| 7.9 | 40.8 | 8.7 | K |
| 9.5 | 53.4 | 13.3 | |
| | + | + | |
| 10pr. | 25.79 | 1.17 | |

3821—3880

| m | 19ᵘ | +21° | |
|---|---|---|---|
| 9.3 | 26′ 57.9″ | 21.0 | |
| 6.8 | 27 11.2 | 32.4 | K |
| 9.3 | 14.5 | 50.7 | |
| 9.5 | 30.0 | 23.8 | |
| 9.0 | 30.9 | 12.1 | K |
| 8.7 | 44.1 | 40.5 | K |
| 8.2 | 47.6 | 42.4 | K |
| 9.4 | 50.5 | 25.7 | |
| 8.8 | 28 6.4 | 24.0 | R |
| 9.2 | 10.9 | 27.8 | |
| 8.5 | 13.0 | 30.0 | R |
| 9.2 | 14.0 | 37.7 | B |
| 9.4 | 17.8 | 41.2 | |
| 9.5 | 31.7 | 0.4 | |
| 9.3 | 39.3 | 22.6 | |
| 7.4 | 55.1 | 50.8 | R |
| 9.4 | 29 0.1 | 45.9 | |
| 7.5 | 29.2 | 49.4 | L |
| 9.5 | 33.4 | 58.9 | B |
| 9.5 | 50.6 | 24.7 | B |
| 8.9 | 30 2.3 | 58.4 | |
| 8.5 | 3.0 | 38.9 | R |
| 8.5 | 7.1 | 44.3 | L |
| 9.5 | 10.6 | 9.0 | B |
| 9.5 | 20.7 | 44.3 | |
| 9.5 | 34.3 | 18.1 | |
| 9.3 | 37.8 | 39.3 | B |
| 9.5 | 40.8 | 33.3 | |
| 6.8 | 52.0 | 40.5 | K |
| 9.4 | 31 11.5 | 36.3 | |
| 9.0 | 11.6 | 13.2 | K |
| 8.7 | 21.1 | 53.4 | Lb |
| 9.4 | 28.9 | 26.6 | |
| 8.8 | 39.6 | 2.2 | B |
| 9.5 | 46.2 | 13.7 | |
| 7.8 | 32 0.0 | 33.4 | K |
| 9.5 | 0.1 | 38.2 | |
| 7.9 | 31.5 | 34.3 | K |
| 9.3 | 41.0 | 43.9 | |
| 9.5 | 49.0 | 13.5 | |
| 9.3 | 33 4.7 | 3.0 | |
| 7.5 | 13.2 | 55.6 | Kb |
| 7.5 | 14.9 | 0.6 | K |
| 8.5 | 31.3 | 41.4 | K |
| 9.4 | 36.6 | 30.3 | |
| 9.5 | 41.5 | 35.9 | |
| 8.2 | 42.2 | 14.1 | |
| 7.7 | 34 16.7 | 14.1 | L |
| 9.5 | 18.6 | 37.4 | |
| 9.0 | 18.8 | 12.4 | |
| 8.6 | 20.1 | 51.1 | K |
| 8.9 | 26.4 | 19.7 | |
| 9.4 | 32.8 | 10.8 | |
| 9.5 | 43.5 | 49.5 | |
| 9.5 | 35 12.9 | 22.7 | |
| 9.1 | 27.8 | 8.9 | |
| 8.9 | 45.6 | 56.5 | B |
| 8.9 | 45.8 | 8.0 | |
| 9.3 | 48.7 | 50.4 | |
| 8.9 | 36 3.1 | 40.7 | R |
| | + | + | |
| 10pr. | 25.87 | 1.30 | |

3881—3940

| m | 19ᵘ | +21° | |
|---|---|---|---|
| 9.0 | 36′ 11.5″ | 34.5 | |
| 9.5 | 23.9 | 51.0 | |
| 9.4 | 34.0 | 44.5 | |
| 9.5 | 36.9 | 23.7 | |
| 8.1 | 50.5 | 57.8 | L |
| 9.2 | 55.2 | 18.1 | B |
| 9.4 | 57.1 | 7.7 | |
| 8.7 | 57.5 | 4.3 | B |
| 9.4 | 37 1.7 | 55.3 | B |
| 9.5 | 7.1 | 55.6 | B |
| 9.5 | 11.9 | 7.0 | |
| 9.5 | 31.8 | 33.0 | |
| 9.5 | 32.7 | 23.3 | |
| 9.4 | 58.6 | 29.7 | |
| 9.5 | 38 2.5 | 56.4 | |
| 9.5 | 13.4 | 21.8 | |
| 9.5 | 25.6 | 17.8 | B |
| 9.5 | 26.8 | 30.8 | |
| 8.5 | 33.8 | 6.6 | K |
| 9.4 | 39 25.9 | 24.0 | |
| 9.1 | 30.0 | 41.6 | |
| 8.4 | 32.2 | 54.8 | K |
| 9.5 | 40 6.6 | 30.5 | |
| 9.5 | 7.3 | 7.4 | |
| 9.0 | 8.5 | 0.2 | K |
| 9.5 | 30.1 | 25.4 | |
| 9.5 | 36.9 | 30.3 | |
| 9.0 | 45.8 | 9.3 | |
| 7.0 | 41 1.9 | 25.1 | K |
| 8.9 | 5.9 | 25.7 | K |
| 9.4 | 6.4 | 0.4 | |
| 8.6 | 7.2 | 42.9 | K |
| 9.2 | 10.8 | 50.1 | |
| 9.1 | 17.8 | 6.4 | K |
| 9.2 | 30.9 | 18.8 | |
| 9.1 | 38.0 | 37.6 | |
| 8.4 | 40.2 | 52.8 | K |
| 9.5 | 53.0 | 10.9 | |
| 9.4 | 55.2 | 45.7 | |
| 8.3 | 59.7 | 1.0 | K |
| 8.4 | 42 6.1 | 50.9 | K |
| 9.0 | 10.5 | 36.3 | |
| 9.5 | 12.8 | 10.8 | |
| 8.7 | 14.5 | 36.0 | L |
| 9.5 | 22.2 | 3.9 | |
| 8.2 | 24.1 | 37.7 | L |
| 9.4 | 31.3 | 11.0 | B |
| 9.4 | 31.3 | 3.9 | |
| 9.5 | 48.9 | 50.2 | |
| 9.0 | 54.0 | 35.8 | |
| 9.0 | 56.4 | 32.5 | |
| *9.5 | 59.7 | 6.6 | |
| *9.1 | 43 29.8 | 39.7 | |
| 9.5 | 37.8 | 5.9 | |
| 9.5 | 40.9 | 28.4 | |
| 9.5 | 44.8 | 16.3 | |
| 9.5 | 55.9 | 25.7 | |
| 8.4 | 44 3.1 | 42.5 | |
| 9.1 | 11.7 | 2.8 | |
| 8.7 | 12.3 | 17.3 | |
| | + | + | |
| 10pr. | 25.96 | 1.42 | |

3941—4000

| m | 19ᵘ | +21° | |
|---|---|---|---|
| 7.3 | 44′ 25.5″ | 44.7 | L |
| 9.5 | 35.4 | 20.5 | |
| 8.6 | 45.1 | 52.5 | |
| 9.4 | 50.3 | 19.3 | B |
| 9.5 | 45 0.2 | 3.6 | |
| 8.6 | 4.1 | 51.9 | |
| 9.4 | 16.4 | 24.5 | |
| 9.4 | 16.4 | 58.0 | B |
| 8.0 | 17.7 | 55.0 | L |
| 8.0 | 20.6 | 47.3 | L |
| 9.3 | 29.1 | 21.7 | B |
| 9.5 | 57.2 | 50.3 | |
| 8.3 | 57.7 | 40.1 | L |
| 9.1 | 46 1.1 | 36.5 | |
| 9.1 | 17.4 | 10.6 | b |
| 9.0 | 19.5 | 59.5 | |
| 9.5 | 26.3 | 26.6 | B |
| 9.5 | 33.0 | 25.7 | |
| 9.4 | 36.1 | 52.3 | |
| 9.5 | 47.4 | 1.9 | |
| 8.7 | 47 8.0 | 48.9 | B |
| 8.2 | 10.7 | 56.8 | L |
| 9.2 | 14.5 | 49.3 | B |
| 8.5 | 32.1 | 45.2 | |
| 9.3 | 51.9 | 28.4 | |
| 9.2 | 53.4 | 15.3 | |
| 8.8 | 55.1 | 40.3 | |
| 9.5 | 57.9 | 11.7 | |
| 9.3 | 48 2.4 | 12.3 | |
| 9.5 | 42.4 | 37.7 | |
| 8.3 | 46.1 | 7.3 | K |
| 9.3 | 51.3 | 33.3 | |
| 9.5 | 58.0 | 52.9 | |
| 9.2 | 49 2.2 | 38.0 | |
| 9.5 | 25.8 | 16.5 | |
| 8.7 | 48.0 | 40.6 | K |
| 9.5 | 49.4 | 9.8 | |
| 9.2 | 51.3 | 18.0 | |
| 9.1 | 50 13.7 | 21.2 | |
| 9.5 | 14.3 | 3.9 | |
| 9.3 | 21.1 | 42.9 | |
| 9.5 | 28.7 | 36.0 | |
| 9.3 | 42.1 | 42.7 | |
| 9.5 | 47.2 | 58.5 | |
| 9.5 | 54.3 | 35.7 | |
| 8.2 | 55.0 | 20.1 | K |
| 7.8 | 51 11.4 | 22.1 | K |
| 9.5 | 25.6 | 38.5 | |
| 9.5 | 30.8 | 23.4 | |
| 9.0 | 33.4 | 45.4 | K |
| 9.4 | 44.9 | 26.1 | |
| 9.4 | 53.6 | 51.4 | α |
| 9.0 | 55.2 | 52.1 | B |
| 9.0 | 52 0.4 | 44.9 | K |
| 9.0 | 3.7 | 54.8 | |
| 9.3 | 17.1 | 39.0 | |
| 8.6 | 28.6 | 0.3 | K |
| 9.5 | 30.3 | 49.1 | |
| 9.2 | 47.0 | 43.4 | |
| 9.5 | 47.0 | 42.4 | |
| | + | + | |
| 10pr. | 26.04 | 1.52 | |

3767 α
9.8 | 18 7.0 | 8.0 | B
3768 α
9.2 | 18 19.2 | 14.3 | B

3932 α
9.6 | 43 10.2 | 51.7 | B

| 4001—4060 | | | | 4061—4120 | | | | 4121—4180 | | | | 4181—4240 | | | | 4241—4300 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ʰ—20ʰ | +21° | | | 20ʰ | +21° | | | 20ʰ | +21° | | | 20ʰ | +21° | | | 20ʰ | +21° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.9 | 52 58.7 | 52.0 | | 9.5 | 0 52.7 | 54.7 | B | 9.4 | 9 16.0 | 39.8 | | 9.5 | 16 36.9 | 50.3 | | 9.4 | 24 27.4 | 50.1 | |
| 9.0 | 59.6 | 0.1 | K | 9.4 | 1 14.6 | 13.8 | | 9.0 | 23.9 | 54.3 | | 9.4 | 39.7 | 41.1 | | 9.0 | 36.0 | 59.6 | |
| 9.3 | 53 4.8 | 21.0 | | 9.5 | 15.0 | 23.1 | | 9.1 | 29.8 | 33.7 | | 9.1 | 45.2 | 34.0 | | 8.8 | 37.6 | 11.6 | |
| 8.4 | 10.8 | 10.0 | R | 9.1 | 39.2 | 11.2 | | 9.5 | 30.2 | 3.4 | | 9.3 | 57.8 | 36.2 | | 9.5 | 39.7 | 17.9 | |
| 9.4 | 28.7 | 15.2 | | 9.5 | 41.7 | 9.5 | | 9.3 | 46.1 | 10.4 | | 9.5 | 59.6 | 30.4 | | 9.2 | 50.0 | 56.7 | |
| 8.9 | 44.7 | 13.0 | | 9.0 | 49.5 | 56.0 | | 9.5 | 47.0 | 1.9 | | 9.5 | 17 12.3 | 2.7 | | 8.0 | 25 2.3 | 34.1 | K |
| 9.4 | 54 1.5 | 12.3 | | 9.5 | 2 0.3 | 52.9 | | 9.4 | 47.0 | 29.2 | | 9.5 | 14.7 | 47.6 | | 6.5 | 7.7 | 24.9 | K |
| 9.5 | 8.6 | 20.4 | | 9.3 | 5.8 | 28.0 | | 9.2 | 48.3 | 27.9 | B | 9.3 | 17.1 | 21.5 | | 9.1 | 33.6 | 30.3 | B |
| 9.2 | 17.1 | 6.9 | | 9.2 | 16.2 | 1.5 | *a* | 9.0 | 50.0 | 0.7 | R | 9.5 | 17.1 | 23.2 | | 7.9 | 43.2 | 31.3 | K |
| 9.4 | 27.3 | 9.4 | B | 8.3 | 18.0 | 12.1 | K | 6.0 | 57.9 | 9.7 | P | 9.5 | 32.0 | 35.0 | | 9.5 | 47.5 | 50.2 | |
| 9.4 | 33.0 | 15.4 | | 6.8 | 23.9 | 44.2 | K | 9.5 | 59.2 | 58.6 | | 9.0 | 40.9 | 28.0 | B | 9.0 | 56.4 | 42.6 | |
| 9.5 | 33.4 | 45.1 | | 9.5 | 28.7 | 10.3 | | 7.0 | 10 0.4 | 50.8 | K | 9.2 | 42.8 | 28.6 | *a* | 9.1 | 26 0.7 | 57.1 | *b* |
| 9.5 | 43.1 | 20.2 | | 9.2 | 38.3 | 12.7 | K | 7.0 | 6.5 | 57.3 | K | 9.5 | 49.9 | 13.3 | | 7.5 | 45.3 | 39.8 | L |
| 9.2 | 48.2 | 59.1 | - | 9.2 | 40.6 | 59.9 | B | 9.4 | 10.6 | 7.7 | | 9.5 | 56.4 | 52.9 | | 9.5 | 47.9 | 51.6 | |
| 9.2 | 55 1.2 | 32.8 | | 9.5 | 3 26.2 | 13.9 | B | 9.5 | 18.4 | 17.8 | | 9.5 | 58.0 | 35.6 | | 9.5 | 57.5 | 35.1 | |
| 9.5 | 3.2 | 48.6 | | 9.2 | 47.6 | 5.5 | | 9.4 | 20.1 | 12.7 | | 9.4 | 18 0.1 | 29.6 | B | 9.0 | 27 3.8 | 27.3 | |
| 9.5 | 3.9 | 52.4 | | 8.3 | 54.3 | 42.7 | K | 9.2 | 27.0 | 54.8 | B | 9.5 | 3.4 | 29.0 | | 9.4 | 5.0 | 41.1 | |
| 9.5 | 12.9 | 25.9 | | 9.5 | 4 12.1 | 26.5 | | 9.5 | 43.1 | 35.1 | | 9.5 | 6.0 | 23.4 | | 9.0 | 6.5 | 18.4 | |
| 9.5 | 13.8 | 12.8 | | 9.2 | 12.7 | 40.3 | | 8.0 | 46.2 | 7.5 | P | 9.5 | 14.1 | 31.7 | | 9.5 | 12.0 | 53.8 | B |
| 9.5 | 20.7 | 17.5 | | 9.5 | 15.2 | 43.5 | | 9.5 | 11 1.4 | 31.5 | | 8.7 | 19.8 | 27.9 | *k* | 9.5 | 24.5 | 42.5 | |
| 9.3 | 26.6 | 22.9 | | 9.3 | 18.7 | 6.5 | | 7.7 | 2.5 | 18.4 | K | 9.2 | 30.8 | 1.8 | | 9.5 | 25.6 | 58.6 | |
| 9.4 | 27.6 | 6.7 | B | 9.5 | 30.7 | 26.9 | B | 9.5 | 5.3 | 57.4 | | 9.2 | 32.5 | 21.9 | | 9.3 | 27.1 | 52.5 | B |
| 9.3 | 30.9 | 44.4 | | 8.6 | 35.0 | 28.7 | K | 8.1 | 12.5 | 41.5 | K | 6.9 | 46.8 | 1.4 | R | 9.5 | 29.3 | 4.2 | |
| 9.5 | 31.0 | 47.6 | | 9.2 | 38.6 | 6.4 | B | 9.5 | 39.1 | 32.7 | | 9.2 | 52.3 | 28.8 | | 9.5 | 36.0 | 56.3 | |
| 8.3 | 32.7 | 52.8 | K | 9.4 | 42.4 | 6.8 | | 9.1 | 59.7 | 32.1 | K | 9.4 | 58.9 | 28.6 | B | 9.3 | 36.2 | 17.3 | |
| 9.4 | 55.3 | 12.0 | | 9.5 | 44.2 | 46.5 | | 9.5 | 12 1.6 | 10.0 | B | 9.5 | 19 17.4 | 46.1 | | 9.4 | 44.4 | 4.7 | |
| 6.5 | 56 4.5 | 45.2 | K | 9.3 | 49.9 | 50.8 | | 7.2 | 14.0 | 4.1 | K | 8.8 | 23.1 | 15.9 | | 8.9 | 48.7 | 25.3 | |
| 9.5 | 5.0 | 10.2 | | 6.0 | 5 0.7 | 26.9 | B | 9.5 | 19.0 | 22.2 | | 9.4 | 28.9 | 0.5 | | 9.2 | 58.1 | 27.5 | |
| 9.0 | 26.5 | 7.0 | | 8.6 | 7.7 | 36.0 | K | 8.9 | 25.6 | 14.1 | | 9.5 | 37.2 | 20.5 | | 9.0 | 59.0 | 23.5 | |
| 8.0 | 27.4 | 27.3 | K | 9.5 | 11.4 | 17.2 | | 9.4 | 26.8 | 33.5 | | 9.4 | 20 1.8 | 2.9 | | 9.5 | 28 14.0 | 55.4 | |
| 9.1 | 32.9 | 20.4 | B | 8.7 | 11.8 | 22.0 | K | 9.0 | 31.6 | 45.8 | B | 9.5 | 3.5 | 58.7 | | 9.0 | 18.8 | 43.3 | |
| 9.5 | 44.8 | 11.3 | | 9.5 | 12.0 | 32.0 | | 9.4 | 35.7 | 47.8 | | 8.7 | 44.6 | 13.2 | K | 9.5 | 21.5 | 40.1 | |
| 9.0 | 47.7 | 52.2 | B | 9.5 | 13.4 | 43.8 | | 9.5 | 40.0 | 39.1 | | 9.1 | 59.8 | 18.4 | | 9.5 | 30.6 | 23.6 | |
| 9.2 | 57 14.5 | 31.2 | | 9.3 | 17.8 | 50.0 | B | 9.5 | 43.1 | 57.5 | | 7.8 | 21 14.7 | 45.6 | L | 9.5 | 32.2 | 35.3 | |
| 9.1 | 17.0 | 25.1 | | 9.5 | 23.5 | 14.3 | | 9.5 | 51.6 | 7.8 | | 9.5 | 32.2 | 28.6 | | 9.4 | 34.0 | 12.3 | |
| 6.6 | 21.6 | 5.8 | K | 9.5 | 50.6 | 15.3 | | 9.1 | 13 13.9 | 26.3 | *b* | 9.2 | 34.6 | 9.3 | | 9.2 | 34.8 | 4.3 | |
| 9.5 | 26.9 | 21.0 | | 9.5 | 52.3 | 6.2 | | 9.5 | 15.0 | 54.5 | | 9.4 | 39.5 | 24.0 | B | 9.5 | 53.4 | 38.8 | |
| 9.3 | 28.4 | 0.0 | B | 9.4 | 6 7.4 | 58.6 | B | 9.1 | 20.2 | 28.0 | | 9.5 | 40.4 | 17.7 | B | 9.1 | 29 1.4 | 35.7 | *b* |
| 9.4 | 39.3 | 37.1 | B | 9.5 | 17.2 | 51.4 | | 9.0 | 21.3 | 10.6 | K | 9.5 | 45.6 | 50.4 | | 9.5 | 44.4 | 34.7 | |
| 8.9 | 58 3.0 | 57.4 | K | 9.3 | 31.0 | 42.6 | | 9.3 | 23.0 | 3.1 | | 9.4 | 48.0 | 24.3 | | 9.5 | 47.1 | 28.1 | |
| 9.5 | 7.5 | 29.9 | | 9.4 | 43.6 | 43.7 | | 9.5 | 36.0 | 40.5 | | 7.2 | 49.3 | 40.2 | L | 9.5 | 50.5 | 24.0 | |
| 9.2 | 18.7 | 50.7 | B | 9.5 | 46.7 | 18.6 | | 9.2 | 40.7 | 27.9 | | 9.4 | 52.5 | 51.1 | B | 9.3 | 30 1.3 | 42.3 | |
| 9.5 | 35.0 | 59.1 | | 9.0 | 47.2 | 24.6 | *B* | 9.5 | 14 6.6 | 9.6 | | 9.5 | 53.4 | 5.1 | | 9.5 | 22.8 | 33.0 | |
| 9.5 | 39.6 | 7.0 | | 9.0 | 50.7 | 25.0 | *B* | 7.0 | 21.4 | 49.6 | K | 8.7 | 22 13.6 | 33.0 | L | 9.0 | 25.0 | 54.8 | |
| 9.2 | 41.4 | 40.0 | B | 9.4 | 7 4.0 | 57.7 | | 9.0 | 25.9 | 5.5 | K | 8.5 | 24.0 | 38.6 | K | 8.2 | 32.6 | 3.9 | K |
| 9.5 | 56.0 | 4.6 | | 9.5 | 15.8 | 18.7 | | 9.5 | 26.0 | 20.5 | | 9.5 | 33.6 | 32.0 | B | 9.4 | 35.4 | 4.3 | |
| 9.5 | 58.5 | 51.1 | | 9.5 | 28.9 | 12.0 | | 8.2 | 38.0 | 3.8 | K | 8.1 | 36.1 | 33.6 | K | 9.5 | 47.6 | 57.3 | |
| 9.4 | 59 7.1 | 30.4 | | 9.5 | 30.4 | 7.0 | | 9.0 | 44.9 | 45.1 | K | 8.4 | 38 6 | 59.6 | K | 8.3 | 50.8 | 18.6 | K |
| 9.1 | 14.4 | 0.8 | | 7.0 | 44.9 | 47.3 | S | 9.5 | 51.6 | 21.4 | | 8.7 | 44.4 | 28.5 | L | 9.4 | 31 7.7 | 32.9 | |
| 9.5 | 31.1 | 5.2 | B | 9.2 | 46.5 | 46.3 | *B* | 9.5 | 56.5 | 57.2 | | 8.9 | 49.5 | 22.0 | | 9.4 | 10.3 | 18.3 | B |
| 9.5 | 34.7 | 13.6 | | 8.8 | 58.4 | 40.9 | | 9.4 | 15 6.7 | 50.0 | | 9.0 | 49.8 | 10.9 | | 9.5 | 14.2 | 7.3 | |
| 8.1 | 37.7 | 49.1 | | 9.2 | 8 18.0 | 4.9 | | 9.5 | 34.7 | 24.2 | | 9.5 | 23 15.0 | 43.9 | | 8.5 | 17.3 | 32.6 | K |
| 9.3 | 52.8 | 21.0 | | 9.5 | 20.0 | 11.3 | | 9.5 | 37.8 | 2.6 | | 9.0 | 34.3 | 54.4 | | 8.8 | 18.0 | 20.4 | K |
| 9.0 | 54.8 | 48.7 | B | 9.5 | 22.5 | 50.8 | | 9.4 | 39.0 | 59.3 | | 9.4 | 37.4 | 20.8 | B | 8.8 | 28.6 | 10.3 | K |
| 9.3 | 55.3 | 49.1 | *a* | 7.3 | 26.2 | 32.1 | B | 9.3 | 49.6 | 53.3 | | 8.1 | 39.8 | 20.5 | L | 9.5 | 29.7 | 25.6 | |
| 9.3 | 58.6 | 41.2 | | 9.5 | 33.4 | 57.6 | | 9.5 | 53.5 | 59.6 | | 9.3 | 54.9 | 4.4 | | 9.4 | 30.6 | 5.2 | |
| 9.0 | 0 7.8 | 48.2 | | 9.4 | 49.5 | 42.8 | B | 9.4 | 59.2 | 49.4 | | 9.5 | 56.4 | 35.4 | | 9.4 | 32.4 | 21.6 | B |
| 9.3 | 9.0 | 39.5 | | 9.5 | 58.0 | 0.3 | | 9.1 | 16 5.1 | 36.1 | *b* | 9.0 | 24 7.3 | 3.1 | | 9.4 | 47.5 | 3.4 | |
| 8.0 | 29.0 | 22.3 | B | 9.3 | 9 10.3 | 0.3 | | 8.7 | 8 6 | 52.9 | K | 9.0 | 19.4 | 44.7 | | 9.5 | 51.7 | 54.3 | |
| 9.4 | 41.6 | 46.1 | B | 9.1 | 10.5 | 48.5 | B | 8.3 | 11.7 | 20.9 | | 9.4 | 24.5 | 20.7 | B | 8.9 | 53.4 | 27.8 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 26.12 | 1.62 | | 10pr. | 26.22 | 1.74 | | 10pr. | 26.31 | 1.83 | | 10pr. | 26.41 | 1.92 | | 10pr. | 26.52 | 2.01 | |

| 4301—4360 | | | | | 4361—4420 | | | | | 4421—4480 | | | | | 4481—4540 | | | | | 4541—4600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ʰ | | +21° | | | 20ʰ | | +21° | | | 20ʰ—21ʰ | | +21° | | | 21ʰ | | +21° | | | 21ʰ | | +21° | |
| m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ″ | ′ | | | m | | ″ | ′ | | | m | | ″ | ′ | |
| 8.5 | 32 | 25.9 | 0.7 | | | 9.5 | 42 | 2.8 | 7.7 | | | 9.5 | 51 | 17.3 | 43.5 | | | 9.2 | 2 | 42.9 | 35.5 | K | | 9.5 | 18 | 42.1 | 14.7 | B |
| 9.4 | | 32.5 | 39.4 | | | 7.5 | | 4.6 | 5.6 | B | | 9.2 | | 25.0 | 26.1 | | | 9.4 | 3 | 16.0 | 3.4 | | | 9.5 | | 52.4 | 3.5 | |
| 9.5 | | 33.1 | 3.3 | | | 8.3 | | 5.5 | 35.4 | K | | 9.5 | | 26.3 | 45.6 | | | 8.7 | | 17.1 | 20.7 | K | | 9.3 | 19 | 26.0 | 58.7 | |
| 9.5 | | 39.5 | 55.3 | | | 9.4 | | 9.8 | 9.8 | B | | 5.1 | | 47.2 | 45.9 | Kb | | 9.5 | | 34.8 | 6.9 | B | | 8.0 | 20 | 14.2 | 32.9 | K |
| 6.0 | | 44.5 | 18.8 | K | | 8.8 | | 28.2 | 49.7 | K | | 9.5 | 52 | 8.1 | 31.6 | | | 7.5 | | 59.5 | 52.5 | K | | 8.5 | | 17.0 | 49.6 | K |
| 9.1 | | 54.4 | 23.5 | | | 7.5 | | 36.3 | 51.0 | K | | 7.0 | | 34.8 | 47.3 | K | | 6.5 | 4 | 0.0 | 52.3 | Kb | | 8.8 | | 24.1 | 14.7 | |
| 8.4 | 33 | 7.8 | 12.7 | K | | 9.5 | | 42.1 | 47.9 | | | 9.3 | | 35.2 | 29.5 | | | 9.4 | | 15.0 | 58.9 | | | 9.3 | | 34.1 | 7.2 | |
| 8.3 | | 12.6 | 10.7 | K | | 9.4 | | 43.9 | 13.8 | B | | 9.4 | 53 | 17.3 | 58.6 | | | 9.4 | | 18.0 | 1.5 | | | 9.0 | - | 53.6 | 55.6 | |
| 9.4 | | 15.4 | 50.5 | | | 9.5 | | 49.8 | 3.0 | | | 9.5 | | 34.3 | 10.5 | | | 9.2 | | 56.7 | 8.8 | | | 7.0 | 21 | 10.2 | 6.4 | Kb |
| 8.5 | | 31.2 | 38.1 | K | | 9.5 | | 49.8 | 42.6 | | | 9.5 | | 35.7 | 47.5 | | | 9.4 | | 59.4 | 20.0 | B | | 9.3 | | 11.2 | 47.5 | |
| 9.3 | | 31.2 | 20.9 | | | 9.4 | | 54.7 | 35.6 | | | 9.4 | | 38.0 | 54.0 | Rb | | 9.5 | 5 | 1.6 | 18.0 | | | 9.0 | | 12.5 | 49.9 | |
| 8.6 | | 32.1 | 27.4 | K | | 9.5 | 43 | 7.3 | 48.0 | | | 9.5 | | 48.0 | 13.3 | | | 9.5 | | 19.3 | 59.3 | | | 9.5 | | 40.5 | 28.4 | B |
| 9.5 | | 50.2 | 10.7 | | | 9.5 | | 8.1 | 57.6 | | | 9.5 | | 53.8 | 59.3 | | | 9.5 | | 24.8 | 45.0 | | | 9.4 | | 55.9 | 37.6 | B |
| 9.2 | | 53.7 | 21.8 | B | | 9.0 | | 10.8 | 12.6 | B | | 9.5 | 54 | 0.8 | 13.6 | | | 9.5 | 6 | 28.7 | 0.9 | | | 9.5 | 22 | 11.2 | 45.0 | |
| 9.5 | | 59.4 | 3.4 | | | 9.5 | | 24.3 | 40.7 | | | 9.0 | | 37.1 | 19.7 | | | 8.8 | | 58.3 | 19.2 | K | | 5.5 | | 22.3 | 33.4 | K |
| 9.4 | 34 | 4.2 | 45.4 | | | 8.7 | | 34.9 | 23.4 | | | 9.3 | | 37.6 | 30.3 | | | 9.4 | 7 | 2.3 | 41.8 | B | | 9.4 | | 22.7 | 32.2 | B |
| 9.5 | | 6.7 | 18.5 | | | 9.0 | | 45.4 | 0.6 | | | 8.9 | | 44.4 | 23.0 | | | 9.4 | | 2.7 | 39.3 | | | 9.1 | | 46.2 | 29.1 | |
| 7.2 | | 9.7 | 25.2 | K | | 9.0 | | 47.8 | 42.7 | Rb | | 8.7 | | 50.2 | 37.8 | K | | 9.5 | | 12.9 | 28.2 | | | 9.4 | 23 | 7.3 | 27.9 | |
| 8.6 | | 37.4 | 2.0 | | | 9.2 | 44 | 0.5 | 54.3 | B | | 8.3 | 55 | 4.5 | 17.3 | K | | 9.4 | | 27.3 | 7.0 | B | | 9.5 | | 28.0 | 57.0 | |
| 9.4 | | 40.2 | 31.7 | B | | 9.5 | | 21.3 | 59.9 | | | 9.1 | | 13.4 | 22.2 | | | 9.3 | | 35.6 | 18.7 | | | 9.5 | | 34.9 | 6.4 | |
| 8.6 | | 55.9 | 8.1 | Kb | | 9.3 | | 32.0 | 7.7 | | | 9.5 | | 28.1 | 40.5 | | | 7.3 | 8 | 0.8 | 37.1 | K | | 9.5 | | 38.7 | 46.2 | |
| 9.5 | 35 | 9.6 | 22.3 | | | 9.4 | | 36.0 | 54.6 | | | 9.5 | | 48.9 | 59.2 | | | 9.3 | | 13.0 | 47.9 | | | 9.4 | 24 | 3.5 | 45.4 | |
| 9.2 | | 27.8 | 31.8 | | | 9.3 | | 59.5 | 1.2 | B | | 8.9 | | 57.7 | 42.0 | | | 9.5 | | 46.4 | 30.9 | | | 9.5 | | 14.5 | 13.3 | |
| 9.5 | | 41.3 | 2.1 | | | 9.5 | 45 | 5.6 | 38.1 | | | 7.7 | | 59.5 | 6.5 | K | | 8.0 | | 48.5 | 10.7 | Kb | | 9.5 | | 26.5 | 56.8 | B |
| 8.8 | 36 | 0.2 | 13.8 | | | 9.5 | | 13.0 | 15.2 | | | 7.9 | 56 | 3.9 | 7.3 | K | | 9.4 | | 51.8 | 37.5 | | | 9.5 | | 35.0 | 57.8 | |
| 9.2 | | 1.6 | 17.0 | | | 9.5 | | 19.6 | 38.2 | | | 9.4 | | 15.2 | 5.5 | | | 7.7 | 9 | 43.0 | 17.8 | K | | 9.5 | | 41.3 | 41.0 | |
| 9.3 | | 5.7 | 53.0 | | | 7.7 | | 21.3 | 20.2 | K | | 8.7 | | 15.3 | 24.3 | | | 9.4 | 10 | 18.2 | 21.3 | B | | 9.1 | 25 | 7.9 | 35.9 | Bb |
| 9.2 | | 12.4 | 46.4 | Kb | | 9.4 | | 25.1 | 57.9 | | | 7.3 | | 15.8 | 14.6 | K | | 8.2 | | 33.0 | 54.4 | K | | 9.4 | | 28.8 | 34.1 | |
| 9.5 | | 34.9 | 56.9 | | | 9.5 | | 39.5 | 53.5 | | | 9.5 | | 27.0 | 20.4 | | | 6.8 | | 59.8 | 56.4 | K | | 9.4 | | 38.2 | 53.5 | |
| 9.5 | | 34.9 | 22.5 | | | 9.2 | | 52.9 | 20.1 | | | 9.5 | | 27.3 | 39.5 | | | 8.0 | 11 | 10.3 | 48.1 | K | | 9.4 | 26 | 46.5 | 36.8 | B |
| 9.5 | | 49.7 | 0.5 | | | 9.3 | | 59.9 | 27.8 | B | | 9.5 | | 32.7 | 48.8 | | | 9.0 | | 13.0 | 36.9 | K | | 9.4 | | 49.0 | 7.2 | |
| 9.5 | | 52.3 | 54.2 | | | 9.1 | 46 | 1.1 | 15.1 | K | | 9.4 | 57 | 7.1 | 39.8 | | | 9.5 | | 21.1 | 9.4 | | | 9.3 | 27 | 5.2 | 58.5 | |
| 9.3 | 37 | 0.6 | 33.1 | | | 9.4 | | 12.6 | 3.8 | | | 9.5 | | 9.0 | 49.3 | | | 7.0 | | 36.9 | 30.3 | K | | 9.5 | | 23.9 | 31.6 | |
| 8.7 | | 9.2 | 59.7 | | | 9.0 | | 16.8 | 41.7 | | | 8.7 | | 11.4 | 30.9 | K | | 8.7 | | 47.4 | 7.8 | | | 9.5 | | 43.0 | 53.1 | |
| 9.5 | | 14.0 | 45.3 | | | 9.5 | | 26.4 | 10.7 | B | | 9.0 | | 18.0 | 7.4 | K | | 9.5 | 12 | 2.5 | 18.0 | | | 9.5 | 28 | 26.2 | 17.4 | |
| 9.4 | | 17.3 | 47.3 | B | | 8.6 | | 59.0 | 50.7 | Kb | | 9.0 | | 23.0 | 34.2 | | | 9.5 | | 12.8 | 23.5 | B | | 9.5 | | 30.6 | 42.3 | B |
| 9.5 | | 23.4 | 49.3 | | | 9.0 | 47 | 3.5 | 2.5 | | | 9.0 | | 40.7 | 57.1 | K | | 9.5 | | 19.8 | 56.4 | | | 9.0 | 29 | 6.5 | 23.0 | |
| 9.5 | | 30.0 | 45.8 | | | 9.5 | | 19.4 | 36.3 | | | 9.5 | | 53.9 | 3.0 | | | 7.5 | | 39.2 | 46.5 | L | | 9.5 | | 9.5 | 54.0 | |
| 9.4 | | 43.9 | 52.1 | | | 9.5 | | 20.4 | 29.9 | | | 9.5 | 58 | 12.2 | 55.7 | | | 9.1 | 13 | 4.1 | 5.9 | Kb | | 9.2 | | 9.5 | 8.7 | |
| 9.4 | | 44.3 | 22.9 | | | 9.2 | | 28.0 | 58.7 | | | 9.4 | | 15.0 | 2.3 | | | 9.0 | | 8.5 | 40.9 | | | 9.3 | | 34.2 | 0.2 | Kb |
| 8.8 | | 50.2 | 57.3 | | | 9.5 | | 54.3 | 32.5 | | | 9.2 | | 28.9 | 52.5 | | | 6.0 | | 40.2 | 25.7 | K | | 9.3 | | 53.9 | 33.0 | |
| 8.6 | | 53.5 | 3.7 | | | 8.1 | | 58.5 | 9.0 | K | | 8.0 | | 58.0 | 17.7 | B | | 9.0 | | 41.9 | 30.8 | K | | 9.5 | 30 | 8.1 | 53.6 | |
| 9.5 | | 54.1 | 14.2 | | | 9.2 | 48 | 11.4 | 59.7 | | | 9.3 | 59 | 23.3 | 6.7 | | | 9.1 | | 48.0 | 29.3 | K | | 9.5 | | 21.7 | 35.1 | |
| 9.5 | 39 | 6.6 | 56.9 | | | 9.5 | | 26.3 | 58.8 | | | 9.5 | | 34.2 | 22.1 | | | 9.5 | | 50.2 | 9.2 | | | 9.5 | | 33.7 | 6.3 | |
| 9.1 | | 10.0 | 57.3 | B | | 9.5 | | 28.2 | 51.7 | | | 9.1 | | 52.1 | 3.1 | K | | 9.5 | 14 | 11.5 | 29.8 | | | 9.4 | | 42.5 | 12.6 | |
| 9.0 | | 25.0 | 9.6 | B | | 9.5 | | 37.8 | 13.5 | | | 9.5 | | 59.3 | 56.7 | | | 9.5 | | 16.2 | 43.8 | | | 9.5 | | 49.6 | 42.6 | |
| 9.3 | 40 | 10.2 | 9.3 | | | 9.4 | 49 | 4.0 | 24.8 | | | 9.0 | 0 | 4.6 | 15.8 | | | 9.5 | | 16.8 | 31.3 | | | 8.8 | 31 | 3.2 | 17.3 | |
| 9.5 | | 14.8 | 24.6 | | | 7.8 | | 10.4 | 9.7 | K | | 9.5 | | 5.3 | 0.4 | | | 9.5 | | 21.3 | 56.4 | | | 9.5 | | 22.9 | 15.4 | |
| 9.5 | | 21.4 | 18.3 | B | | 9.1 | | 14.7 | 25.3 | | | 9.0 | | 7.8 | 7.3 | K | | 9.0 | | 45.4 | 20.9 | - | | 9.5 | | 30.4 | 44.8 | |
| 7.7 | | 41.3 | 27.4 | K | | 9.1 | | 30.1 | 51.6 | R | | 9.4 | | 43.4 | 42.1 | | | 9.5 | 15 | 18.9 | 1.5 | | | 8.9 | 32 | 2.1 | 10.5 | K |
| 9.3 | | 44.9 | 44.7 | αB | | 8.7 | | 32.9 | 55.0 | K | | 7.4 | 1 | 28.4 | 11.1 | K | | 9.4 | | 45.9 | 44.4 | B | | 9.3 | | 14.9 | 48.5 | |
| 9.2 | | 46.3 | 43.6 | K | | 9.4 | | 35.3 | 17.0 | | | 8.9 | | 30.1 | 57.5 | | | 9.5 | | 48.5 | 30.9 | | | 9.4 | | 25.7 | 35.2 | B |
| 9.5 | 41 | 0.5 | 22.9 | | | 8.5 | | 41.5 | 49.0 | | | 9.5 | | 46.8 | 59.9 | | | 9.5 | | 52.8 | 48.2 | | | 8.8 | | 30.3 | 29.9 | K |
| 9.5 | | 16.4 | 22.9 | | | 8.1 | | 43.0 | 12.7 | K | | 8.8 | | 48.7 | 28.4 | | | 9.5 | 16 | 32.1 | 28.1 | | | 9.1 | | 30.8 | 35.0 | B |
| 9.4 | | 20.0 | 0.5 | | | 9.5 | 50 | 36.3 | 14.5 | | | 9.4 | | 56.2 | 32.1 | | | 8.8 | 17 | 8.5 | 9.7 | K | | 9.0 | | 40.1 | 49.5 | |
| 8.3 | | 21.6 | 43.6 | K | | 9.3 | | 38.4 | 2.5 | | | 9.1 | 2 | 3.9 | 34.8 | B | | 9.5 | | 14.2 | 5.9 | / | | 8.8 | 33 | 8.2 | 18.1 | K |
| 9.5 | | 33.7 | 50.8 | | | 9.5 | | 43.5 | 22.1 | B | | 9.5 | | 10.3 | 37.6 | | | 7.2 | | 19.2 | 20.2 | K | | 9.5 | | 30.8 | 58.1 | |
| 9.5 | | 47.9 | 15.4 | | | 9.4 | | 53.1 | 21.9 | B | | 9.4 | | 19.0 | 51.4 | | | 9.4 | | 22.3 | 58.8 | Bb | | 9.5 | 34 | 11.1 | 5.3 | |
| 9.1 | | 49.6 | 23.1 | | | 9.5 | | 54.8 | 25.6 | | | 9.5 | | 31.9 | 13.8 | | | 9.5 | | 29.6 | 50.5 | | | 7.5 | | 22.5 | 33.7 | K |
| 9.5 | 42 | 1.2 | 56.0 | | | 9.5 | 51 | 9.6 | 37.7 | | | 9.1 | | 33.2 | 50.0 | | | 9.5 | 18 | 9.2 | 18.2 | | | 6.7 | | 41.9 | 17.1 | K |
| | | + | + | | | | | + | + | | | | | + | + | | | | | + | + | | | | | + | + | |
| 10pr. | | 26.63 | 2.11 | | | 10pr. | | 26.78 | 2.22 | | | 10pr. | | 26.95 | 2.32 | | | 10pr. | | 27.18 | 2.47 | | | 10pr. | | 27.45 | 2.62 | |

| m | 4601—4660 21ᵘ ′ ″ | +21° ′ | | m | 4661—4720 21ᵘ—22ᵘ ′ ″ | +21° ′ | | m | 4721—4780 22ᵘ ′ ″ | +21° ′ | | m | 4781—4840 22ᵘ ′ ″ | +21° ′ | | m | 4841—4900 22ᵘ—23ᵘ ′ ″ | +21° ′ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.3 | 35 1.0 | 22.8 | B | 8.7 | 52 35.4 | 27.8 | R | 9.1 | 9 8.0 | 17.5 | | 9.5 | 26 41.3 | 31.8 | | 9.5 | 44 39.6 | 28.8 | |
| 9.0 | 36 0.2 | 58.6 | | 9.1 | 51.5 | 30.6 | B | 9.5 | 10.1 | 30.4 | | 9.5 | 52.9 | 56.9 | | 9.5 | 53.8 | 8.2 | |
| 8.8 | 4.7 | 48.7 | R | 8.0 | 53 26.4 | 22.1 | K | 7.5 | 10 21.3 | 41.1 | K | 9.2 | 57.0 | 40.8 | Bb | 9.4 | 55.8 | 33.2 | |
| 9.5 | 4.9 | 52.6 | | 8.2 | 26.7 | 30.4 | K | 8.1 | 28.7 | 17.9 | Kb | 9.5 | 27 18.1 | 36.3 | | 9.0 | 46 0.4 | 6.6 | |
| 9.2 | 13.5 | 11.6 | b | 7.3 | 54 11.4 | 10.4 | K | 9.5 | 30.3 | 4.6 | B | 8.8 | 28 1.3 | 21.4 | Kb | 9.4 | 16.4 | 20.9 | |
| 9.5 | 42.7 | 7.0 | B | 9.5 | 17.4 | 30.2 | | 9.5 | 11 12.5 | 8.7 | B | 7.3 | 2.4 | 32.8 | K | 9.3 | 25.7 | 49.8 | |
| 9.5 | 52.9 | 8.0 | | 9.5 | 52.7 | 48.4 | | 9.1 | 30.3 | 29.0 | | 9.5 | 12.5 | 18.0 | | 8.8 | 54.4 | 37.4 | |
| 9.4 | 37 28.9 | 12.0 | | 9.5 | 55 31.5 | 8.9 | | 9.1 | 36.8 | 58.5 | K | 9.5 | 17.0 | 12.5 | | 8.8 | 47 6.1 | 51.1 | |
| 9.5 | 34.5 | 17.8 | | 9.3 | 51.2 | 16.6 | | 9.2 | 59.6 | 52.1 | | 9.5 | 40.7 | 24.6 | | 8.8 | 12.4 | 12.5 | |
| 9.5 | 55.6 | 56.1 | | 9.5 | 56 5.2 | 9.2 | | 8.0 | 13 21.1 | 5.8 | K | 9.2 | 29 13.0 | 45.0 | | 8.3 | 13.1 | 38.4 | Kb |
| 8.8 | 38 48.9 | 16.1 | | 9.2 | 5.4 | 6.6 | | 9.2 | 32.5 | 30.0 | b | 9.3 | 24.2 | 4.2 | | 9.5 | 38.8 | 19.1 | B |
| 8.9 | 50.4 | 38.9 | | 8.5 | 9.3 | 22.6 | | 9.4 | 36.0 | 46.9 | | 9.5 | 42.3 | 3.8 | | 9.3 | 48 15.8 | 6.5 | |
| 9.3 | 39 4.2 | 9.8 | | 9.5 | 10.5 | 28.9 | | 9.2 | 37.4 | 12.5 | B | 8.5 | 51.8 | 0.0 | K | 9.5 | 31.4 | 24.2 | |
| 8.5 | 46.0 | 10.2 | K | 9.4 | 33.4 | 44.5 | | 9.5 | 14 9.3 | 55.5 | | 8.9 | 55.7 | 22.8 | | 9.1 | 49 19.2 | 5.3 | b |
| 6.8 | 46.9 | 30.9 | L | 9.2 | 48.7 | 6.0 | | 9.3 | 15 23.1 | 9.8 | | 9.2 | 30 5.0 | 57.7 | Bb | 9.5 | 21.1 | 31.9 | |
| 8.8 | 40 22.9 | 43.0 | | 9.5 | 57 27.5 | 57.4 | | 9.5 | 23.7 | 31.8 | | 9.5 | 10.5 | 51.7 | | 9.5 | 42.6 | 27.8 | |
| 7.5 | 30.2 | 21.0 | B | 8.8 | 30.4 | 5.7 | K | 9.5 | 27.5 | 54.1 | | 9.3 | 20.4 | 34.2 | | 9.3 | 50.8 | 19.2 | |
| 9.5 | 59.4 | 1.8 | | 8.7 | 57.8 | 6.5 | K | 8.8 | 40.0 | 40.1 | K | 9.5 | 27.8 | 8.3 | | 9.0 | 50 6.6 | 16.4 | B |
| 9.5 | 41 3.9 | 34.1 | | 9.5 | 58 8.1 | 6.0 | B | 9.1 | 41.4 | 2.0 | K | 8.5 | 42.3 | 31.1 | B | 9.5 | 13.0 | 54.8 | |
| 9.5 | 23.0 | 53.8 | | 6.8 | 11.7 | 56.4 | R | 9.0 | 54.8 | 12.3 | K | 9.1 | 31 38.0 | 29.6 | | 9.5 | 55.3 | 53.8 | B |
| 9.5 | 58.7 | 3.2 | | 9.5 | 20.7 | 23.6 | | 9.5 | 16 12.4 | 32.8 | | 9.1 | 41.0 | 3.3 | b | 9.5 | 56.1 | 16.7 | |
| 7.0 | 42 6.2 | 46.4 | Kb | 9.2 | 23.0 | 14.6 | K | 9.4 | 21.1 | 51.1 | | 9.2 | 32 13.4 | 0.6 | | 9.5 | 51 15.6 | 40.6 | |
| 7.8 | 18.3 | 12.6 | B | 9.5 | 27.3 | 12.8 | | 9.1 | 21.4 | 54.4 | B | 9.0 | 53.3 | 17.3 | | 8.5 | 17.7 | 45.4 | K |
| 9.2 | 29.1 | 15.5 | B | 9.1 | 50.3 | 46.3 | K | 9.1 | 23.3 | 14.5 | K | 9.1 | 33 10.0 | 48.9 | | 9.5 | 23.3 | 48.8 | B |
| 9.0 | 48.6 | 34.5 | | 9.0 | 55.4 | 34.9 | | 8.0 | 55.5 | 22.5 | B | 9.0 | 16.2 | 44.9 | B | 7.5 | 53 53.2 | 53.1 | K |
| 8.3 | 49.5 | 56.2 | | 9.5 | 59 15.7 | 0.6 | | 8.8 | 17 0.6 | 48.4 | | 9.1 | 20.6 | 17.0 | | 7.5 | 55.3 | 36.5 | K |
| 8.9 | 43 10.9 | 28.2 | | 9.5 | 59.6 | 17.0 | | 8.9 | 54.7 | 50.4 | R | 9.0 | 34 21.5 | 59.8 | | 8.8 | 54 16.3 | 8.7 | |
| 9.5 | 13.2 | 17.2 | | 9.5 | 0 1.2 | 7.3 | | 9.2 | 18 0.9 | 1.3 | | 9.3 | 25.1 | 5.3 | | 9.5 | 19.0 | 56.9 | |
| 7.0 | 49.9 | 16.8 | K | 9.4 | 3.6 | 46.4 | B | 8.2 | 16.9 | 8.6 | R | 9.5 | 32.3 | 20.9 | B | 9.0 | 19.2 | 49.7 | |
| 8.0 | 53.2 | 36.0 | K | 9.5 | 27.5 | 46.7 | B | 9.4 | 24.6 | 18.1 | | 9.4 | 36.7 | 30.4 | | 9.5 | 50.9 | 27.1 | |
| 9.0 | 44 42.9 | 54.0 | | 9.5 | 35.8 | 54.9 | | 7.5 | 36.7 | 51.0 | K | 9.5 | 39.2 | 3.8 | | 9.2 | 51.5 | 44.4 | K |
| 9.0 | 45 0.3 | 58.2 | | 9.5 | 39.7 | 37.3 | | 9.0 | 44.8 | 34.8 | K | 7.3 | 52.6 | 37.6 | K | 9.5 | 56 42.0 | 15.0 | |
| 9.5 | 21.8 | 52.5 | | 9.5 | 41.1 | 46.2 | B | 9.4 | 59.9 | 0.1 | | 7.0 | 35 4.0 | 20.4 | K | 9.2 | 58.5 | 30.1 | |
| 9.2 | 23.6 | 3.4 | B | 9.1 | 48.6 | 7.2 | R | 9.1 | 19 5.6 | 13.9 | | 9.5 | 24.5 | 51.8 | | 8.7 | 57 2.9 | 36.7 | B |
| 9.5 | 41.5 | 54.3 | | 5.8 | 1 2.1 | 0.1 | Kb | 7.5 | 53.9 | 8.6 | R | 9.5 | 41.3 | 16.3 | B | 9.5 | 15.8 | 40.6 | |
| 9.1 | 47.9 | 20.9 | | 6.8 | 2 2.0 | 27.0 | K | 9.5 | 20 27.5 | 17.3 | | 9.4 | 36 3.4 | 44.5 | | 9.5 | 58 16.3 | 25.0 | |
| 9.3 | 53.2 | 28.2 | | 8.0 | 33.4 | 49.9 | K | 9.5 | 37.3 | 37.7 | | 8.9 | 18.7 | 38.7 | | 9.5 | 37.2 | 17.4 | |
| 8.2 | 58.9 | 4.1 | K | 7.3 | 49.7 | 31.7 | K | 9.4 | 38.0 | 44.6 | | 9.5 | 18.9 | 48.7 | | 9.5 | 54.0 | 54.6 | |
| 8.8 | 47 0.4 | 29.9 | K | 9.3 | 55.7 | 13.8 | | 9.1 | 21 51.3 | 24.2 | b | 9.5 | 37 19.0 | 45.6 | | 8.9 | 59 4.7 | 48.6 | |
| 9.5 | 3.5 | 42.0 | | 9.1 | 3 15.3 | 39.0 | | 9.1 | 51.8 | 49.0 | K | 7.8 | 30.0 | 11.1 | Kb | 9.5 | 13.8 | 27.1 | |
| 9.5 | 34.0 | 50.9 | | 9.5 | 23.0 | 42.7 | | 9.5 | 22 3.2 | 47.9 | B | 8.5 | 38 28.0 | 33.5 | | 8.6 | 34.1 | 2.3 | K |
| 9.3 | 48 5.5 | 53.6 | | 9.4 | 34.3 | 49.7 | | 9.4 | 11.2 | 50.6 | B | 8.8 | 35.8 | 49.7 | | 9.5 | 0 54.9 | 57.8 | |
| 9.3 | 6.2 | 29.5 | | 9.5 | 58.5 | 8.6 | | 9.5 | 23.0 | 18.6 | | 9.1 | 38.1 | 24.2 | | 9.5 | 1 6.5 | 50.7 | |
| 9.1 | 42.9 | 37.6 | K | 9.5 | 4 27.8 | 9.3 | | 9.5 | 37.3 | 55.0 | | 9.5 | 39 1.5 | 2.9 | | 8.5 | 7.3 | 19.5 | Kb |
| 9.5 | 58.9 | 8.6 | | 9.5 | 45.6 | 27.0 | | 9.5 | 59.0 | 41.8 | | 9.5 | 4.0 | 17.0 | | 8.5 | 46.1 | 41.3 | K |
| 9.5 | 49 0.5 | 59.9 | | 9.5 | 47.1 | 4.8 | B | 9.5 | 23 6.6 | 5.5 | | 9.3 | 6.9 | 57.1 | | 9.3 | 50.6 | 58.4 | |
| 8.8 | 2.3 | 54.1 | Kb | 9.5 | 50.0 | 38.0 | | 9.5 | 7.5 | 14.3 | | 9.2 | 46.9 | 37.3 | | 9.5 | 2 34.5 | 56.7 | |
| 9.3 | 35.6 | 41.2 | B | 9.5 | 5 24.1 | 56.7 | | 9.3 | 12.8 | 13.7 | B | 8.3 | 51.1 | 55.4 | K | 9.0 | 44.2 | 41.6 | |
| 8.8 | 36.2 | 50.6 | | 9.5 | 31.2 | 57.6 | | 9.4 | 13.0 | 18.5 | B | 9.5 | 40 5.4 | 22.9 | | 9.5 | 51.4 | 55.5 | |
| 7.7 | 46.1 | 7.5 | B | 9.5 | 6 14.6 | 8.0 | | 7.3 | 20.3 | 43.6 | K | 9.4 | 28.7 | 44.7 | | 9.5 | 3 52.8 | 14.2 | |
| 9.5 | 52.3 | 36.2 | | 9.0 | 17.9 | 4.0 | | 9.5 | 35.4 | 53.7 | | 9.5 | 34.5 | 34.6 | | 9.4 | 55.7 | 19.8 | |
| 9.5 | 50 21.5 | 50.2 | B | 9.3 | 20.8 | 20.0 | B | 8.5 | 36.7 | 47.7 | K | 8.8 | 40.6 | 0.1 | | 9.5 | 4 9.9 | 54.6 | |
| 9.1 | 25.2 | 58.1 | | 9.4 | 25.1 | 49.2 | B | 9.3 | 46.9 | 6.3 | | 8.7 | 41 13.4 | 13.6 | K | 9.5 | 19.1 | 5.2 | |
| 9.5 | 59.9 | 4.0 | B | 9.1 | 35.0 | 41.2 | b | 9.5 | 24 20.0 | 27.0 | | 9.5 | 40.8 | 50.6 | | 9.5 | 21.0 | 37.5 | |
| 9.2 | 51 12.9 | 42.7 | | 9.5 | 7 11.8 | 25.2 | | 9.3 | 25 20.0 | 44.2 | | 9.3 | 42 19.9 | 6.8 | | 9.5 | 25.3 | 54.3 | B |
| 9.4 | 15.0 | 4.2 | B | 9.3 | 31.7 | 23.9 | | 9.5 | 23.2 | 0.8 | | 9.5 | 43 6.4 | 41.8 | | 9.3 | 56.5 | 57.6 | b |
| 8.0 | 36.2 | 33.1 | R | 9.1 | 38.4 | 8.4 | | 9.3 | 38.0 | 53.6 | | 9.4 | 26.1 | 13.9 | | 9.3 | 5 46.1 | 11.1 | |
| 8.3 | 56.1 | 54.1 | R | 8.6 | 59.0 | 13.5 | K | 9.3 | 44.0 | 32.1 | | 9.5 | 55.4 | 10.1 | | 9.5 | 57.0 | 30.5 | |
| 9.5 | 52 22.1 | 49.0 | | 6.6 | 8 0.4 | 48.8 | K | 9.0 | 26 4.5 | 9.9 | | 9.5 | 56.3 | 52.1 | | 9.5 | 6 1.2 | 56.0 | B |
| 9.5 | 25.3 | 58.4 | Rb | 9.3 | 8.2 | 56.2 | | 9.5 | 20.6 | 53.1 | | 9.4 | 44 24.0 | 7.5 | | 8.5 | 8.2 | 16.7 | K |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 27.78 | 2.77 | | 10pr. | 28.10 | 2.89 | | 10pr. | 28.46 | 3.02 | | 10pr. | 28.80 | 3.11 | | 10pr. | 29.25 | 3.21 | |

| | 4901—4926 | | | | 4927—4951 | | | | 4952—4976 | | | | 4977—5001 | | | | 5002—5026 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | | +21° | | 23ʰ | | +21° | | 23ʰ | | +21° | | 23ʰ | | +21° | | 23ʰ | | +21° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 6 | 31.5 | 52.4 | | 8.9 | 17 13.3 | 28.1 | K | 6.0 | 26 13.7 | 43.4 | Kb | 7.8 | 36 24.4 | 8.4 | K | 7.8 | 49 56.1 | 33.3 | K |
| 9.5 | 7 | 51.4 | 6.5 | | 9.5 | 18 2.2 | 39.6 | | 8.0 | 22.2 | 31.3 | K | 9.3 | 27.3 | 20.5 | | 9.5 | 50 16.9 | 27.0 | B |
| 8.9 | 8 | 55.3 | 23.3 | | 9.1 | 8.9 | 24.4 | | 9.5 | 27 11.3 | 5.1 | | 9.5 | 29.9 | 58.7 | | 9.4 | 51 9.0 | 2.7 | |
| 9.4 | 9 | 15.4 | 42.3 | B | 8.8 | 51.8 | 12.3 | | 9.3 | 17.2 | 8.6 | B | 9.5 | 56.1 | 56.8 | | 8.8 | 10.1 | 34.3 | |
| 9.5 | | 18.9 | 45.5 | | 8.8 | 19 26.7 | 53.5 | K | 9.4 | 25.4 | 24.3 | | 9.0 | 39 48.2 | 27.7 | b | 8.6 | 43.6 | 22.6 | K |
| 9.1 | 10 | 4.8 | 33.4 | K | 9.2 | 20 31.4 | 2.9 | | 9.5 | 28 47.2 | 20.5 | | 9.5 | 40 15.5 | 12.5 | | 9.2 | 53 11.6 | 5.7 | R |
| 9.5 | | 14.3 | 53.0 | | 9.3 | 47.4 | 40.6 | B | 8.2 | 29 13.1 | 5.3 | K | 9.4 | 49.1 | 53.6 | B | 9.5 | 24.7 | 22.4 | |
| 9.5 | | 20.5 | 58.2 | | 9.3 | 21 0.5 | 54.4 | B | 9.3 | 34.4 | 9.9 | | 9.5 | 41 28.5 | 11.4 | B | 8.3 | 34.4 | 54.1 | |
| 8.8 | | 41.5 | 50.0 | | 9.5 | 7.8 | 47.8 | | 7.3 | 30 2.7 | 26.7 | K | 9.2 | 43 7.6 | 13.6 | b | 9.5 | 46.0 | 16.1 | |
| 8.8 | | 46.6 | 31.5 | K | 9.5 | 14.0 | 39.4 | | 7.7 | 5.0 | 41.3 | L | 9.2 | 58.5 | 57.8 | | 9.3 | 54 4.7 | 36.4 | Bb |
| 9.1 | 11 | 23.2 | 55.5 | | 9.5 | 18.2 | 38.9 | | 8.5 | 21.8 | 31.6 | K | 8.8 | 44 1.3 | 31.8 | | 9.5 | 13.1 | 1.7 | |
| 9.5 | | 57.7 | 48.6 | | 9.0 | 22 1.1 | 33.4 | R | 9.0 | 26.4 | 27.4 | K | 9.5 | 28.4 | 7.9 | | 9.4 | 17.0 | 5.2 | B |
| 9.4 | 12 | 5.8 | 36.2 | | 9.5 | 12.5 | 43.4 | | 9.5 | 31 39.2 | 56.2 | | 9.5 | 46.6 | 23.6 | | 9.5 | 21.2 | 37.4 | |
| 8.1 | 13 | 15.0 | 21.7 | K | 9.4 | 38.6 | 23.6 | | 9.1 | 40.2 | 44.9 | K | 9.5 | 58.7 | 9.5 | | 9.2 | 37.5 | 31.4 | |
| 9.4 | | 32.9 | 31.0 | | 9.2 | 46.2 | 24.9 | B | 9.5 | 49.3 | 16.4 | | 9.2 | 45 16.2 | 4.9 | | 9.4 | 55 41.5 | 34.7 | |
| 7.6 | | 37.1 | 10.0 | K | 9.2 | 57.0 | 52.7 | | 9.5 | 56.5 | 51.0 | | 9.3 | 46 32.9 | 37.3 | | 9.4 | 50.1 | 37.5 | |
| 9.5 | 14 | 3.6 | 57.7 | | 9.0 | 23 5.1 | 54.9 | | 9.2 | 32 55.2 | 53.2 | | 8.6 | 47 27.7 | 21.6 | | 9.3 | 56 20.5 | 30.3 | B |
| 9.2 | | 17.9 | 48.9 | | 9.5 | 25.3 | 39.3 | | 8.5 | 33 13.7 | 41.4 | Kb | 7.8 | 29.1 | 39.3 | K | 8.0 | 27.1 | 29.2 | K |
| 9.5 | | 33.0 | 6.5 | | 7.5 | 27.3 | 14.3 | K | 9.5 | 17.3 | 52.7 | | 9.0 | 48 2.6 | 24.7 | K | 9.5 | 35.7 | 59.7 | |
| 9.2 | | 46.2 | 29.1 | | 9.5 | 24 33.5 | 3.5 | | 9.5 | 29.9 | 58.6 | | 9.3 | 16.7 | 1.1 | | 9.4 | 45.1 | 36.1 | |
| 9.0 | | 49.4 | 52.1 | B | 9.5 | 53.4 | 19.4 | | 9.5 | 43.8 | 57.8 | | 9.5 | 49 16.1 | 22.0 | | 8.3 | 55.1 | 45.7 | K |
| 9.3 | 15 | 21.3 | 41.0 | R | 9.5 | 25 4.1 | 11.1 | | 9.5 | 34 23.0 | 38.2 | | 9.4 | 19.0 | 15.4 | | 9.5 | 57 2.0 | 54.2 | |
| 9.4 | | 35.2 | 20.6 | | 9.5 | 9.5 | 20.2 | | 9.3 | 35 7.3 | 43.4 | | 6.0 | 19.8 | 50.5 | Kb | 9.3 | 25.2 | 18.4 | |
| 9.5 | 16 | 10.4 | 25.7 | | 9.5 | 21.1 | 0.9 | | 9.0 | 39.5 | 9.0 | | 8.8 | 20.2 | 57.6 | R | 9.5 | 59.6 | 6.9 | |
| 9.3 | | 26.5 | 53.8 | | 9.5 | 31.7 | 29.9 | R | 8.6 | 42.0 | 18.8 | | 8.0 | 51.2 | 12.7 | K | 9.1 | 58 0.0 | 24.9 | K |
| 9.5 | | 43.7 | 8.1 | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10pr.* | | *29.64* | *3.27* | | *10pr.* | | *29.85* | *3.29* | *10pr.* | | *30.07* | *3.31* | *10pr.* | | *30.37* | *3.33* | *10pr.* | | *30.59* | *3.34* |

## Zone +22°

| | 1—20 | | | | 21—40 | | | | 41—60 | | | | 61—80 | | | | 81—100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ʰ | | +22° | | 0ʰ | | +22° | | 0ʰ | | +22° | | 0ʰ | | +22° | | 0ʰ | | +22° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.4 | 0 | 30.0 | 50.3 | | 9.5 | 5 46.4 | 18.8 | | 9.0 | 10 53.5 | 35.8 | | 9.1 | 18 26.4 | 19.3 | b | 9.4 | 25 31.4 | 15.8 | |
| 9.5 | | 45.5 | 4.2 | | 9.5 | 6 17.6 | 45.2 | | 7.0 | 11 9.0 | 4.3 | K | 9.0 | 26.5 | 58.2 | | 8.2 | 26 1.6 | 27.2 | L |
| 9.5 | 1 | 6.1 | 37.5 | | 9.5 | 20.3 | 51.7 | | 9.5 | 41.7 | 29.3 | | 9.4 | 31.0 | 47.5 | B | 9.5 | 11.5 | 22.1 | |
| 9.0 | | 14.7 | 49.7 | B | 9.5 | 25.0 | 36.5 | | 9.5 | 43.1 | 21.7 | | 9.5 | 19 31.4 | 22.4 | | 9.3 | 18.5 | 47.8 | R |
| 9.1 | | 32.2 | 50.3 | | 9.5 | 7 9.3 | 32.8 | | 9.4 | 13 5.8 | 48.9 | | 8.4 | 20 12.1 | 39.2 | B | 9.5 | 46.6 | 58.1 | |
| 9.0 | | 53.0 | 59.7 | | 8.0 | 21.2 | 59.8 | Kb | 9.1 | 20.0 | 57.0 | b | 7.9 | 19.0 | 45.8 | L | 8.5 | 27 18.3 | 6.0 | Kb |
| 9.1 | 2 | 31.6 | 52.3 | | 9.1 | 36.3 | 5.9 | | 9.4 | 28.5 | 34.4 | | 9.3 | 20.4 | 57.8 | | 8.9 | 25.7 | 58.4 | K |
| 9.1 | | 39.2 | 4.3 | b | 8.5 | 39.1 | 14.2 | | 9.4 | 32.6 | 44.1 | | 8.6 | 46.0 | 56.1 | | 9.5 | 36.0 | 55.9 | B |
| 9.3 | | 56.5 | 21.8 | | 8.3 | 8 1.5 | 14.2 | B | 8.9 | 52.1 | 18.9 | K | 8.9 | 21 31.8 | 29.4 | | 9.5 | 28 20.1 | 17.0 | |
| 9.4 | 3 | 2.6 | 45.5 | | 9.0 | 6.6 | 15.5 | | 9.5 | 14 42.5 | 35.9 | | 9.0 | 22 0.9 | 3.9 | | 9.4 | 36.5 | 24.1 | |
| 9.2 | | 4.5 | 50.0 | | 8.0 | 11.5 | 37.9 | | 9.1 | 43.6 | 22.8 | b | 9.3 | 42.1 | 28.6 | | 9.5 | 46.1 | 59.2 | |
| 9.5 | | 36.0 | 23.1 | | 9.5 | 16.1 | 0.8 | | 9.5 | 15 9.2 | 18.0 | | 8.4 | 23 0.0 | 40.9 | | 9.3 | 51.2 | 26.1 | Bb |
| 9.5 | | 51.3 | 30.6 | | 9.3 | 9 5.6 | 0.2 | | 9.3 | 16 27.0 | 2.9 | | 9.5 | 50.0 | 14.8 | | 9.5 | 29 5.6 | 2.5 | |
| 6.0 | 4 | 32.5 | 40.6 | K | 6.5 | 24.5 | 27.6 | K | 9.5 | 36.6 | 28.0 | | 8.7 | 50.3 | 7.9 | | 9.3 | 30 34.0 | 51.7 | |
| 9.5 | | 36.3 | 27.5 | B | 8.7 | 35.0 | 27.5 | B | 9.5 | 17 2.0 | 3.6 | | 8.4 | 24 6.0 | 54.1 | K | 9.3 | 39.8 | 59.6 | |
| 9.0 | | 55.1 | 37.9 | | 8.0 | 43.1 | 47.2 | L | 9.4 | 7.1 | 17.9 | | 9.5 | 14.5 | 57.5 | | 9.4 | 31 20.6 | 44.4 | |
| 9.5 | | 59.4 | 10.0 | | 9.4 | 55.6 | 17.6 | | 9.5 | 29.2 | 31.4 | | 9.2 | 38.1 | 7.6 | | 9.5 | 33.5 | 10.4 | |
| 9.4 | 5 | 1.3 | 3.1 | | 9.5 | 56.6 | 7.8 | B | 7.7 | 18 6.8 | 8.4 | B | 8.6 | 43.1 | 17.6 | L | 8.5 | 44.4 | 52.9 | K |
| 9.4 | | 12.1 | 7.5 | | 9.5 | 10 42.8 | 53.0 | | 9.3 | 9.9 | 13.5 | | 7.5 | 25 3.5 | 23.2 | K | 9.5 | 32 25.4 | 28.7 | |
| 9.2 | | 25.1 | 16.2 | | 7.8 | 53.4 | 4.3 | K | 9.5 | 18.5 | 43.0 | | 9.2 | 19.7 | 3.9 | | 9.1 | 30.5 | 9.7 | b |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10pr.* | | *30.80* | *3.34* | | *10pr.* | | *30.92* | *3.34* | *10pr.* | | *31.08* | *3.34* | *10pr.* | | *31.27* | *3.33* | *10pr.* | | *31.42* | *3.31* |

101—160

| m | 0ᵘ | +22° | |
|---|---|---|---|
| 7.5 | 32′ 45.1″ | 58.9 | K |
| 9.5 | 55.9 | 22.2 | B |
| 8.7 | 33 3.1 | 18.7 | K |
| 8.8 | 34 9.6 | 1.7 | |
| 9.5 | 12.5 | 59.6 | |
| 8.3 | 43.0 | 2.4 | K |
| 9.5 | 35 3.5 | 36.8 | |
| 9.3 | 32.1 | 40.6 | |
| 9.1 | 36 6.1 | 12.5 | b |
| 9.3 | 22.5 | 30.0 | |
| 9.3 | 31.4 | 36.5 | |
| 9.0 | 52.0 | 54.5 | |
| 7.0 | 37 33.6 | 48.2 | Kb |
| 9.5 | 34.0 | 7.8 | |
| 9.3 | 51.1 | 13.2 | |
| 9.4 | 38 9.5 | 51.6 | |
| 9.3 | 51.6 | 58.7 | |
| 9.4 | 53.5 | 26.2 | |
| 9.5 | 39 7.5 | 43.8 | |
| 9.3 | 17.6 | 52.0 | |
| 8.0 | 20.0 | 27.9 | R |
| 9.5 | 31.3 | 2.5 | |
| 9.5 | 45.1 | 26.9 | |
| 8.6 | 50.6 | 0.0 | K |
| 9.5 | 40 13.7 | 16.9 | |
| 9.5 | 41 7.2 | 25.9 | |
| 9.2 | 17.5 | 3.8 | |
| 9.5 | 35.7 | 28.4 | |
| 8.1 | 47.9 | 20.4 | L |
| 9.5 | 42 23.6 | 5.9 | |
| 9.1 | 28.9 | 4.4 | B |
| 9.4 | 31.3 | 53.3 | |
| 8.8 | 43 18.4 | 56.8 | K |
| 8.0 | 21.8 | 4.5 | R |
| 9.3 | 33.2 | 42.0 | |
| 9.0 | 33.7 | 4.6 | |
| 9.5 | 45.7 | 33.8 | |
| 9.0 | 55.3 | 50.8 | K |
| 9.5 | 44 19.7 | 10.4 | |
| 9.5 | 21.7 | 16.5 | |
| 9.5 | 26.2 | 41.4 | |
| 9.5 | 46.7 | 23.5 | |
| 9.5 | 55.4 | 11.8 | |
| 9.5 | 45 3.3 | 41.8 | B |
| 9.3 | 30.3 | 7.7 | |
| 6.0 | 47 14.1 | 50.6 | L |
| 8.0 | 25.2 | 37.6 | Kb |
| 9.4 | 44.5 | 7.5 | |
| 8.1 | 57.3 | 21.1 | K |
| 9.5 | 48 33.7 | 34.6 | |
| 9.3 | 49 14.5 | 6.6 | |
| 9.3 | 17.7 | 0.4 | |
| 4.5 | 29.3 | 38.7 | Kb |
| 9.5 | 50 51.5 | 21.0 | |
| 9.5 | 51 40.8 | 26.4 | B |
| 9.5 | 52.3 | 21.4 | |
| 9.5 | 52 3.2 | 32.5 | |
| 9.4 | 5.0 | 8.2 | |
| 9.5 | 13.3 | 44.9 | |
| 9.3 | 18.9 | 38.0 | |
| 10pr. | 31.74 | 3.28 | |

161—220

| m | 0ᵘ—1ᵘ | +22° | |
|---|---|---|---|
| 8.7 | 52′ 44.9″ | 53.9 | Kb |
| 9.4 | 50.8 | 7.6 | |
| 9.5 | 53 1.0 | 25.9 | |
| 9.5 | 37.1 | 5.2 | |
| 9.4 | 54 1.2 | 38.3 | |
| 9.1 | 22.7 | 20.7 | b |
| 9.0 | 26.4 | 56.6 | |
| 8.8 | 55 44.2 | 16.0 | |
| 9.4 | 47.9 | 53.4 | |
| 8.5 | 49.4 | 59.1 | K |
| 9.5 | 56 14.6 | 57.5 | |
| 9.5 | 58 34.8 | 2.9 | |
| 9.1 | 35.9 | 40.3 | Bb |
| 8.0 | 52.7 | 27.6 | K |
| 9.5 | 59 15.4 | 4.3 | |
| 8.4 | 48.8 | 12.1 | K |
| 9.5 | 0 0.5 | 33.9 | |
| 9.5 | 7.7 | 32.4 | |
| 9.5 | 10.5 | 7.0 | B |
| 9.5 | 39.8 | 24.9 | |
| 8.8 | 1 18.0 | 21.8 | K |
| 7.5 | 34.1 | 8.7 | K |
| 9.5 | 35.2 | 29.1 | B |
| 9.3 | 2 13.9 | 39.0 | |
| 9.5 | 28.4 | 5.5 | |
| 8.3 | 55.2 | 42.1 | K |
| 9.5 | 3 12.0 | 29.6 | |
| 9.5 | 14.7 | 56.2 | |
| 9.2 | 4 15.1 | 1.5 | |
| 9.5 | 21.8 | 5.4 | |
| 9.5 | 31.9 | 34.9 | |
| 7.5 | 38.7 | 29.0 | B |
| 9.4 | 48.6 | 1.6 | |
| 8.6 | 54.5 | 41.5 | |
| 8.2 | 5 5.2 | 4.5 | Kb |
| 9.5 | 26.4 | 10.3 | |
| 9.5 | 39.7 | 29.3 | |
| 8.9 | 52.0 | 48.8 | |
| 9.4 | 6 53.3 | 45.0 | B |
| 8.3 | 7 26.4 | 6.0 | K |
| 9.5 | 58.9 | 54.0 | |
| 9.5 | 8 16.7 | 46.9 | |
| 9.5 | 36.1 | 2.2 | |
| 7.0 | 39.0 | 48.4 | K |
| 8.4 | 41.7 | 46.6 | K |
| 9.5 | 9 45.9 | 56.3 | |
| 8.8 | 50.3 | 46.3 | |
| 9.5 | 10 33.2 | 43.5 | |
| 9.5 | 49.1 | 45.5 | |
| 8.7 | 55.4 | 52.9 | K |
| 8.8 | 11 32.4 | 16.6 | |
| 9.5 | 12 1.7 | 32.5 | |
| 9.5 | 58.5 | 7.3 | |
| 9.4 | 13 6.3 | 45.2 | |
| 9.5 | 39.2 | 16.0 | |
| 9.2 | 46.9 | 16.3 | Bb |
| 9.4 | 53.4 | 57.8 | |
| 9.3 | 14 22.7 | 37.6 | |
| 9.5 | 56.2 | 56.5 | |
| 9.3 | 15 39.8 | 34.6 | |
| 10pr. | 32.25 | 3.21 | |

221—280

| m | 1ᵘ | +22° | |
|---|---|---|---|
| 8.9 | 15′ 39.8″ | 10.8 | Kb |
| 9.5 | 16 34.3 | 16.0 | |
| 8.0 | 17 19.1 | 11.2 | L |
| 9.5 | 22.2 | 26.3 | |
| 9.0 | 23.7 | 20.8 | R |
| 6.5 | 42.9 | 45.9 | K |
| 9.0 | 51.8 | 20.4 | |
| 8.8 | 18 26.0 | 1.8 | |
| 8.6 | 40.5 | 49.7 | |
| 8.5 | 54.1 | 32.4 | K |
| 8.8 | 56.2 | 1.6 | |
| 9.0 | 19 5.0 | 47.3 | |
| 9.5 | 30.7 | 28.7 | |
| 9.5 | 30.9 | 30.0 | |
| 9.5 | 20 15.3 | 54.0 | |
| 6.5 | 21 46.7 | 4.3 | K |
| 9.5 | 54.2 | 24.2 | |
| 7.5 | 54.6 | 56.3 | K |
| 8.0 | 22 56.7 | 26.2 | K |
| 9.5 | 23 44.7 | 42.1 | |
| 9.0 | 24 18.5 | 2.2 | K |
| 9.1 | 32.6 | 6.3 | |
| 9.2 | 36.1 | 17.6 | |
| 9.0 | 25 3.3 | 0.5 | K |
| 8.6 | 3.5 | 58.4 | K |
| 7.4 | 33.2 | 50.6 | R |
| 8.5 | 26 31.0 | 39.7 | K |
| 9.2 | 27 0.7 | 45.9 | |
| 8.8 | 21.7 | 18.3 | K |
| 9.5 | 29 30.3 | 27.0 | |
| 9.5 | 32.8 | 18.0 | |
| 9.4 | 30 58.5 | 13.5 | |
| 9.5 | 31 9.6 | 41.1 | |
| 9.3 | 18.4 | 12.3 | b |
| 9.5 | 32 8.8 | 54.7 | |
| 9.5 | 46.9 | 38.3 | |
| 7.0 | 33 9.7 | 17.9 | K |
| 9.4 | 49.6 | 7.7 | |
| 9.3 | 52.4 | 15.3 | |
| 9.5 | 53.2 | 23.9 | |
| 9.5 | 34 21.4 | 3.8 | |
| 9.3 | 23.7 | 36.3 | |
| 9.0 | 35 9.2 | 15.6 | |
| 9.3 | 36 33.0 | 37.6 | B |
| 9.3 | 36.7 | 39.6 | |
| 9.0 | 37 39.3 | 20.4 | |
| 9.1 | 38 2.0 | 42.9 | Bb |
| 9.5 | 2.4 | 40.4 | |
| 9.3 | 11.2 | 12.4 | |
| 9.5 | 35.7 | 48.7 | |
| 8.5 | 39 53.3 | 1.9 | K |
| 9.5 | 41 57.7 | 23.1 | |
| 9.3 | 42 10.4 | 6.9 | b |
| 9.5 | 43 26.5 | 41.0 | |
| 9.5 | 44 16.8 | 57.2 | |
| 9.3 | 19.9 | 48.8 | Bb |
| 8.9 | 27.4 | 13.5 | K |
| 9.5 | 45 22.8 | 22.8 | |
| 9.5 | 53.5 | 21.1 | |
| 9.3 | 46 2.8 | 48.3 | |
| 10pr. | 32.83 | 3.09 | |

281—340

| m | 1ᵘ—2ᵘ | +22° | |
|---|---|---|---|
| 9.3 | 46′ 25.2″ | 26.2 | |
| 9.3 | 34.0 | 33.1 | |
| 9.4 | 45.8 | 32.4 | |
| 6.5 | 47 47.7 | 52.4 | Kb |
| 8.8 | 48 0.2 | 34.5 | K |
| 9.3 | 11.4 | 27.6 | |
| 8.0 | 45.5 | 20.4 | K |
| 5.0 | 49 52.6 | 53.2 | K |
| 8.5 | 54.1 | 53.6 | K |
| 9.3 | 50 9.4 | 53.6 | B |
| 9 2 | 50.2 | 43.1 | |
| 9.3 | 51 7.8 | 32.0 | |
| 9.1 | 10.9 | 38.6 | b |
| 9.4 | 43.9 | 42.0 | R |
| 8.7 | 52 54.0 | 9.0 | K |
| 7.0 | 53 30.1 | 41.4 | R |
| 9.3 | 54 2.5 | 48.3 | |
| 8.5 | 55 30.7 | 10.4 | Kb |
| 9.3 | 56 7.0 | 0.6 | |
| 8.6 | 17.2 | 0.6 | |
| 9.1 | 47.6 | 6.5 | |
| 9.2 | 50.8 | 50.1 | Kb |
| 9.3 | 57 59.8 | 17.9 | |
| 9.5 | 58 20.3 | 33.1 | |
| 9.5 | 51.3 | 28.0 | |
| 2.0 | 59 2.6 | 47.2 | K |
| 9.5 | 6.4 | 17.7 | B |
| 9.3 | 7.2 | 20.1 | B |
| 8.3 | 1 27.7 | 32.5 | K |
| 9.4 | 2 24.5 | 8.8 | B |
| 9.4 | 46.5 | 5.7 | |
| 8.1 | 3 2.2 | 32.4 | K |
| 9.5 | 56.4 | 51.0 | |
| 9.5 | 4 1.5 | 5.5 | |
| 9.4 | 41.7 | 8.7 | |
| 9.4 | 42.9 | 2.7 | B |
| 9.5 | 58.5 | 32.5 | Rb |
| 9.4 | 5 1.9 | 9.3 | |
| 9.5 | 35.2 | 41.3 | |
| 9.5 | 6 29.5 | 3.3 | |
| 9.1 | 7 29.7 | 30.4 | K |
| 9.0 | 42.3 | 52.4 | |
| 9.5 | 59.2 | 27.9 | |
| 9.2 | 8 0.0 | 33.1 | K |
| 9.0 | 17.7 | 27.6 | K |
| 8.9 | 37.7 | 37.1 | K |
| 9.5 | 9 32.4 | 11.8 | |
| 9.4 | 10 0.2 | 28.4 | |
| 6.0 | 47.7 | 30.0 | R |
| 9.4 | 12 27.3 | 24.3 | B |
| 7.8 | 13 2.9 | 45.4 | R |
| 9.4 | 12.6 | 33.1 | |
| 8.7 | 24.5 | 57.8 | Kb |
| 6.8 | 55.5 | 11.9 | R |
| 9.5 | 14 59.7 | 19.7 | |
| 9.1 | 15 7.3 | 35.9 | b |
| 9.3 | 11.0 | 4.8 | |
| 8.2 | 18.6 | 4.2 | B |
| 8.9 | 27.3 | 0.2 | K |
| 9.5 | 16 10.8 | 29.9 | B |
| 10pr. | 33.54 | 2.87 | |

341—400

| m | 2ᵘ | +22° | |
|---|---|---|---|
| 9.1 | 16′ 37.2″ | 39.3 | K |
| 9.3 | 40.4 | 30.0 | B |
| 9.4 | 17 18.5 | 5.2 | |
| 9.5 | 40.7 | 44.9 | |
| 9.4 | 42.2 | 32.5 | R |
| 9.4 | 18 10.5 | 57.7 | |
| 7.8 | 46.3 | 13.9 | K |
| 9.1 | 19 0.2 | 13.9 | Kb |
| 9.5 | 18.3 | 28.3 | |
| 9.1 | 58.5 | 41.1 | |
| 9.4 | 20 0.8 | 27.4 | |
| 9.2 | 48.3 | 52.1 | |
| 8.6 | 51.5 | 13.8 | K |
| 6.0 | 59.0 | 49.6 | R |
| 9.5 | 21 18.2 | 34.2 | |
| 9.1 | 22 7.3 | 38.3 | |
| 9.3 | 23 18.2 | 44.5 | |
| 9.1 | 22.8 | 48.4 | b |
| 8.8 | 51.7 | 10.5 | K |
| 9.5 | 24 4.8 | 14.9 | |
| 8.6 | 15.7 | 29.1 | |
| 9.5 | 33.8 | 20.3 | |
| 9.5 | 44.2 | 11.6 | |
| 9.1 | 45.0 | 34.5 | K |
| 9.5 | 25 0.3 | 13.5 | |
| 9.5 | 26 11.8 | 56.8 | |
| 8.8 | 12.4 | 51.9 | K |
| 8.1 | 23.6 | 19.4 | K |
| 9.5 | 27 10.2 | 32.8 | |
| 9.3 | 28 3.6 | 17.1 | |
| 9.5 | 21.3 | 43.5 | |
| 7.6 | 26.3 | 25.9 | K |
| 9.5 | 41.5 | 59.2 | |
| 9.4 | 48.2 | 49.3 | B |
| 8.3 | 29 32.3 | 30.3 | K |
| 9.5 | 53.5 | 6.8 | |
| 9.5 | 55.0 | 29.0 | B |
| 8.9 | 30 43.6 | 54.9 | K |
| 9.5 | 31 15.2 | 1.4 | |
| 9.2 | 23.2 | 31.8 | B |
| 9.3 | 36.3 | 16.3 | |
| 9.5 | 38.8 | 20.8 | |
| 9.2 | 59.4 | 19.0 | Bb |
| 9.5 | 32 27.6 | 1.2 | |
| 9.3 | 45.5 | 59.0 | |
| 9.2 | 56.8 | 53.5 | b |
| 9.3 | 33 55.9 | 35.3 | |
| 9.5 | 34 23.9 | 26.4 | |
| 8.5 | 35.4 | 14.7 | K |
| 8.0 | 36 38.4 | 45.6 | K |
| 9.5 | 38 39.9 | 35.2 | |
| 6.5 | 57.2 | 21.2 | K |
| 9.0 | 39 2.9 | 23.0 | |
| 9.5 | 58.9 | 20.5 | |
| 9.5 | 40 13.1 | 29.5 | |
| 9.3 | 18.7 | 0.1 | |
| 9.5 | 37.9 | 42.6 | |
| 9.0 | 41.7 | 52.9 | Kb |
| 9.5 | 41 44.1 | 2.6 | |
| 9.5 | 42 19.4 | 35.0 | |
| 10pr. | 34.06 | 2.67 | |

| 349a | | | |
|---|---|---|---|
| 9.6 | 19 | 52.2 | 6.2 | B |

| 401—460 | | | | | 461—520 | | | | | 521—580 | | | | | 581—640 | | | | | 641—700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ª—3ª | | +22° | | | 3ª | | +22° | | | 3ª | | +22° | | | 3ª—4ª | | +22° | | | 4ª | | +22° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.4 | 43 | 34.4 | 32.6 | K | 9.0 | 7 | 8.6 | 39.9 | | 9.3 | 29 | 53.3 | 1.4 | R | 9.5 | 42 | 52.3 | 50.3 | | 9.3 | 0 | 57.0 | 8.2 | |
| 9.5 | 44 | 53.8 | 7.3 | | 9.5 | | 33.4 | 30.3 | | 9.5 | | 53.3 | 8.2 | | 9.0 | 43 | 0.2 | 47.9 | Rb | 9.5 | 1 | 34.3 | 9.2 | |
| 9.4 | | 54.9 | 54.7 | B | 8.3 | | 46.3 | 13.0 | | 6.8 | 30 | 11.0 | 11.0 | Kb | 7.7 | | 31.1 | 14.7 | K | 9.4 | | 45.2 | 26.6 | b |
| 9.4 | 45 | 6.7 | 47.9 | | 9.5 | 8 | 18.5 | 1.1 | | 9.5 | | 56.7 | 57.1 | | 9.5 | | 35.7 | 52.5 | | 9.5 | | 54.7 | 42.1 | |
| 8.8 | 47 | 9.4 | 21.9 | Rb | 7.3 | | 31.1 | 35.0 | Kb | 9.5 | 31 | 3.0 | 4.2 | | 9.5 | 44 | 2.7 | 0.2 | | 9.5 | 2 | 16.8 | 33.4 | |
| 8.8 | | 18.8 | 0.5 | | 8.7 | | 31.1 | 18.4 | R | 7.8 | | 3.3 | 22.4 | K | 9.5 | | 21.0 | 2.8 | | 9.5 | | 30.2 | 26.5 | |
| 9.3 | | 51.6 | 36.5 | B | 9.4 | | 42.0 | 0.4 | | 9.3 | | 6.8 | 48.3 | | 9.5 | | 25.4 | 37.9 | | 9.5 | 3 | 34.3 | 1.3 | |
| 9.3 | 48 | 13.6 | 27.5 | | 8.9 | | 49.4 | 24.8 | | 9.3 | 32 | 27.2 | 58.5 | B | 8.7 | | 47.1 | 42.1 | Kb | 9.5 | | 57.3 | 20.1 | |
| 9.4 | | 16.7 | 38.7 | | 7.5 | 9 | 23.8 | 17.8 | K | 9.4 | | 30.2 | 57.2 | | 9.4 | | 50.2 | 10.5 | B | 6.0 | 4 | 15.2 | 2.7 | K |
| 9.2 | 49 | 26.5 | 10.3 | Bb | 9.4 | 10 | 5.0 | 7.9 | | 9.4 | | 31.5 | 3.4 | | 9.5 | 45 | 2.0 | 14.5 | | 9.0 | | 27.4 | 42.8 | B |
| 9.5 | | 52.4 | 7.4 | | 9.5 | 11 | 2.3 | 48.1 | | 8.7 | 33 | 33.1 | 24.8 | R | 9.2 | | 19.7 | 42.0 | R | 9.0 | | 36.9 | 34.2 | |
| 9.4 | 50 | 8.9 | 52.5 | b | 9.0 | | 35.5 | 55.4 | K | 7.5 | | 44.6 | 19.6 | Kb | 9.5 | | 40.1 | 26.6 | | 9.2 | | 45.7 | 21.8 | |
| 9.5 | 51 | 10.8 | 57.8 | | 8.9 | 12 | 4.1 | 32.3 | | 9.5 | 34 | 39.5 | 23.5 | | 9.5 | | 40.3 | 46.5 | | 9.5 | 5 | 11.6 | 39.0 | |
| 9.4 | | 57.3 | 27.5 | | 8.8 | | 14.6 | 57.9 | K | 9.5 | | 51.3 | 46.5 | | 8.5 | 46 | 10.5 | 46.0 | R | 8.3 | | 23.2 | 20.4 | Kb |
| 9.5 | | 59.1 | 46.7 | | 8.0 | | 18.1 | 39.3 | B | 8.9 | | 57.9 | 16.9 | K | 9.5 | | 11.1 | 14.2 | | 9.4 | | 46.4 | 29.4 | B |
| 7.0 | 52 | 14.8 | 15.4 | Kb | 9.3 | | 55.4 | 28.9 | | 9.3 | 35 | 16.8 | 46.5 | | 8.4 | | 42.0 | 55.9 | K | 9.0 | | 47.7 | 33.6 | |
| 9.5 | | 39.9 | 3.8 | B | 9.5 | | 59.2 | 46.1 | | 8.9 | 36 | 17.8 | 48.9 | R | 9.3 | | 44.0 | 37.1 | | 7.0 | | 53.9 | 5.0 | K |
| 9.5 | | 49.7 | 10.0 | | 9.5 | 13 | 39.8 | 1.9 | | 9.0 | | 27.5 | 15.9 | | 9.1 | | 57.3 | 33.8 | | 9.3 | 6 | 13.7 | 5.6 | |
| 9.0 | 53 | 8.8 | 45.7 | | 8.1 | 14 | 4.9 | 17.4 | K | 9.5 | | 36.1 | 8.9 | | 9.1 | 47 | 27.8 | 42.1 | K | 9.5 | | 18.2 | 52.8 | |
| 9.5 | | 25.9 | 57.2 | | 9.1 | | 49.3 | 41.5 | | 9.3 | | 39.7 | 40.4 | R | 9.5 | | 29.4 | 17.0 | | 9.5 | | 22.7 | 36.5 | |
| 8.0 | | 49.3 | 51.3 | L | 9.0 | 15 | 49.1 | 3.9 | | 8.4 | | 49.4 | 44.7 | R | 8.3 | | 53.1 | 45.1 | K | 9.5 | | 35.4 | 49.1 | |
| 9.5 | 54 | 9.3 | 5.7 | | 9.0 | | 56.5 | 50.6 | | 9.5 | | 52.0 | 44.2 | | 8.0 | | 53.1 | 15.3 | R | 9.5 | | 43.2 | 18.7 | |
| 9.5 | | 55.9 | 54.3 | | 9.5 | 16 | 46.6 | 24.0 | | 9.5 | 37 | 4.9 | 29.2 | | 9.5 | 48 | 3.2 | 12.0 | | 8.9 | 7 | 22.6 | 35.5 | |
| 9.3 | 55 | 2.2 | 41.9 | | 9.4 | 17 | 3.7 | 51.5 | B | 8.0 | | 9.3 | 14.9 | K | 9.5 | | 11.7 | 41.1 | | 9.5 | | 57.0 | 24.5 | |
| 7.2 | | 4.1 | 29.2 | K | 9.5 | | 16.1 | 41.0 | | 8.0 | | 16.6 | 42.0 | R | 6.0 | | 16.5 | 3.1 | R | 8.7 | 8 | 11.8 | 59.3 | K |
| 9.3 | 56 | 6.3 | 40.9 | | 9.5 | | 27.8 | 57.0 | | 9.5 | | 28.0 | 6.8 | | 8.5 | | 20.3 | 16.0 | K | 9.4 | | 28.4 | 18.7 | |
| 9.4 | | 9.9 | 29.3 | B | 9.3 | | 35.4 | 28.0 | B | 9.3 | | 33.0 | 45.7 | B | 7.0 | | 29.7 | 45.8 | Kb | 9.3 | | 31.4 | 45.5 | |
| 9.5 | | 28.4 | 38.2 | | 9.5 | 18 | 11.5 | 56.4 | | 9.5 | | 36.2 | 53.8 | | 8.8 | 49 | 11.3 | 30.0 | | 9.5 | | 48.0 | 44.6 | |
| 9.3 | | 38.3 | 26.1 | | 9.0 | | 21.7 | 44.7 | | 8.6 | | 40.3 | 40.8 | K | 9.5 | | 43.0 | 29.8 | | 9.2 | 9 | 29.3 | 55.6 | |
| 8.8 | 57 | 1.9 | 12.7 | | 9.0 | | 26.4 | 49.7 | Kb | 9.3 | 38 | 5.2 | 27.7 | R | 8.8 | | 46.1 | 41.7 | | 7.5 | | 37.0 | 26.6 | R |
| 7.5 | | 18.8 | 31.6 | K | 9.5 | | 33.8 | 43.9 | | 9.1 | | 6.6 | 40.2 | | 8.5 | 50 | 35.3 | 34.3 | | 9.5 | | 55.6 | 20.7 | |
| 9.3 | | 28.8 | 58.3 | | 9.5 | 19 | 10.0 | 23.8 | | 9.5 | | 12.7 | 28.7 | | 9.3 | 51 | 17.1 | 48.5 | R | 9.5 | 10 | 20.7 | 49.6 | |
| 8.3 | | 47.9 | 42.9 | K | 9.5 | | 46.2 | 56.4 | | 9.4 | | 15.5 | 46.9 | a | 9.2 | | 33.3 | 59.2 | K | 9.5 | | 27.1 | 59.1 | |
| 9.5 | 58 | 13.9 | 54.5 | | 9.3 | | 49.1 | 9.0 | | 9.4 | | 18.4 | 45.9 | R | 9.0 | | 37.9 | 45.5 | | 9.5 | 11 | 0.0 | 38.0 | |
| 9.4 | | 52.4 | 35.7 | | 6.0 | | 59.3 | 19.3 | Kb | 9.5 | | 42.1 | 0.9 | | 9.0 | | 55.4 | 24.9 | | 9.5 | | 28.0 | 9.0 | |
| 9.3 | | 53.8 | 57.7 | | 9.4 | 20 | 52.8 | 57.4 | B | 8.5 | | 50.6 | 28.7 | K | 9.5 | 52 | 14.3 | 2.7 | | 9.0 | 12 | 3.4 | 36.1 | K |
| 9.5 | 59 | 8.4 | 47.4 | | 9.4 | 21 | 11.5 | 52.4 | | 9.5 | 39 | 21.3 | 21.1 | | 7.5 | | 22.7 | 48.6 | Rb | 9.5 | | 5.2 | 0.6 | |
| 8.8 | | 15.3 | 0.1 | Kb | 9.1 | | 31.3 | 5.3 | Kb | 9.4 | | 21.7 | 44.8 | | 8.8 | 53 | 1.0 | 10.0 | R | 9.5 | | 11.2 | 57.7 | |
| 9.5 | | 26.8 | 31.9 | | 9.0 | 23 | 2.0 | 0.4 | K | 9.4 | | 21.7 | 59.2 | | 9.5 | | 25.6 | 34.6 | | 9.4 | | 23.7 | 39.0 | |
| 9.3 | | 38.0 | 33.9 | B | 9.2 | | 30.1 | 9.0 | B | 9.5 | | 31.0 | 55.4 | | 8.9 | | 27.5 | 56.0 | | 9.5 | | 33.8 | 26.3 | |
| 8.8 | | 42.7 | 5.7 | | 9.3 | | 31.5 | 17.5 | | 9.5 | | 38.8 | 6.5 | | 8.1 | | 42.6 | 1.1 | Kb | 9.5 | | 42.6 | 49.1 | |
| 9.5 | 0 | 32.5 | 21.6 | | 9.5 | 24 | 7.1 | 38.0 | | 9.5 | | 42.0 | 7.5 | | 9.5 | | 44.2 | 15.4 | | 9.5 | 13 | 0.7 | 46.9 | |
| 9.5 | | 47.1 | 28.1 | | 9.5 | | 16.8 | 28.3 | | 6.9 | | 46.8 | 58.8 | K | 9.5 | | 51.0 | 20.1 | | 8.8 | | 40.3 | 19.3 | K |
| 9.5 | 1 | 10.3 | 34.3 | | 8.2 | | 56.3 | 52.5 | K | 9.5 | | 50.5 | 4.8 | K | 9.1 | 55 | 9.4 | 33.4 | b | 9.2 | | 46.4 | 59.7 | K |
| 9.5 | 2 | 27.4 | 37.1 | | 8.5 | | 58.1 | 54.2 | K | 8.5 | 40 | 10.6 | 48.6 | K | 9.3 | | 12.9 | 23.1 | | 9.5 | 14 | 10.4 | 29.3 | a |
| 9.2 | | 35.8 | 5.9 | | 8.9 | 25 | 46.4 | 30.1 | B | 7.5 | | 22.8 | 21.4 | K | 8.2 | | 32.8 | 59.8 | K | 8.0 | 15 | 6.0 | 36.6 | R |
| 9.5 | | 43.4 | 28.5 | | 9.0 | | 49.3 | 41.1 | | 9.0 | | 36.8 | 49.1 | B | 9.5 | | 43.0 | 22.8 | | 9.5 | | 49.7 | 43.5 | |
| 9.3 | | 48.9 | 13.0 | | 9.5 | | 50.1 | 50.7 | | 9.0 | | 38.0 | 57.4 | | 9.4 | 56 | 32.6 | 5.8 | | 8.0 | | 50.8 | 24.8 | R |
| 9.5 | | 58.3 | 6.3 | | 8.5 | | 51.6 | 2.1 | B | 7.8 | | 38.6 | 10.1 | K | 8.3 | | 47.1 | 46.1 | B | 9.5 | | 52.7 | 39.3 | |
| 9.3 | 3 | 18.1 | 28.2 | a | 8.5 | | 58.9 | 16.6 | K | 8.7 | | 58.3 | 56.4 | | 8.8 | 57 | 4.4 | 25.2 | | 9.5 | 16 | 40.7 | 15.2 | |
| 9.0 | | 22.4 | 28.2 | | 8.6 | 26 | 23.4 | 36.3 | K | 9.2 | 41 | 5.5 | 37.0 | | 9.5 | | 17.9 | 50.5 | | 9.5 | | 46.5 | 53.5 | |
| 9.4 | | 23.7 | 41.5 | B | 9.3 | | 49.0 | 6.9 | | 7.3 | | 6.9 | 5.5 | K | 9.5 | | 33.9 | 0.6 | | 9.3 | | 53.2 | 49.0 | |
| 8.5 | 4 | 1.1 | 20.5 | K | 9.5 | 27 | 2.4 | 21.4 | | 8.4 | | 7.1 | 53.9 | R | 9.2 | | 42.1 | 26.5 | B | 9.4 | 17 | 22.8 | 49.7 | |
| 8.8 | | 8.8 | 59.2 | | 9.1 | | 24.7 | 6.6 | K | 9.4 | | 22.2 | 46.4 | B | 9.5 | | 57.4 | 49.1 | | 9.5 | | 26.2 | 34.0 | |
| 8.8 | | 35.8 | 12.7 | K | 9.5 | | 38.9 | 0.6 | | 7.8 | | 30.5 | 9.6 | K | 8.5 | 58 | 26.7 | 54.3 | K | 9.5 | | 28.2 | 34.0 | |
| 9.5 | 5 | 30.9 | 47.1 | | 9.0 | 28 | 2.4 | 26.5 | B | 8.5 | | 46.8 | 14.2 | R | 9.1 | 59 | 22.6 | 32.4 | b | 4.5 | | 38.6 | 28.3 | Kb |
| 6.8 | | 51.8 | 24.7 | K | 9.5 | | 18.7 | 18.6 | R | 9.5 | | 57.7 | 12.4 | | 7.0 | 0 | 16.1 | 43.8 | K | 8.9 | 18 | 5.3 | 42.4 | K |
| 9.5 | | 56.3 | 31.3 | | 7.0 | | 26.7 | 45.1 | Rb | 9.3 | 42 | 19.9 | 43.2 | | 9.5 | | 23.9 | 53.4 | | 9.5 | | 18.6 | 44.2 | |
| 9.5 | | 58.7 | 9.5 | | 8.5 | | 28.6 | 9.8 | K | 9.0 | | 27.0 | 58.7 | R | 9.5 | | 26.5 | 6.1 | | 6.2 | | 37.5 | 39.3 | Kb |
| 9.5 | 7 | 5.9 | 13.7 | | 9.4 | | 39.2 | 1.9 | B | 9.5 | | 40.4 | 15.0 | | 9.3 | | 49.8 | 54.0 | | 9.5 | 19 | 7.2 | 1.7 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 34.59 | 2.39 | | 10pr. | | 34.94 | 2.17 | | 10pr. | | 35.23 | 1.94 | | 10pr. | | 35.39 | 1.80 | | 10pr. | | 35.63 | 1.54 | |

701—760

| m | 4ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 19′ 45.6 | 7.5 | |
| 8.9 | 50.3 | 49.8 | |
| 9.3 | 20 25.0 | 29.3 | |
| 9.5 | 21 10.9 | 28.3 | |
| 9.5 | 22 49.8 | 11.0 | |
| 9.5 | 53.7 | 15.2 | |
| 7.8 | 55.3 | 31.4 | Kb |
| 9.5 | 24 18.7 | 5.7 | |
| 9.2 | 25 45.6 | 48.4 | |
| 9.1 | 52.0 | 23.9 | a |
| 9.3 | 26 1.7 | 3.6 | K |
| 7.4 | 5.3 | 22.5 | S |
| 9.0 | 9.7 | 34.9 | |
| 9.5 | 33.4 | 11.5 | |
| 8.4 | 36.7 | 44.5 | |
| 9.5 | 28 34.0 | 18.6 | |
| 9.5 | 29 11.7 | 12.5 | |
| 9.2 | 19.7 | 40.4 | K |
| 9.1 | 27.2 | 18.3 | |
| 9.5 | 53.7 | 12.5 | |
| 8.3 | 30 9.1 | 51.8 | Lb |
| 9.3 | 17.9 | 2.3 | |
| 9.5 | 19.6 | 22.8 | |
| 9.2 | 25.9 | 25.1 | B |
| 8.5 | 32.3 | 22.1 | K |
| 9.4 | 35.4 | 5.0 | |
| 9.5 | 31 12.7 | 39.3 | |
| 8.7 | 16.8 | 42.8 | K |
| 9.5 | 32 9.6 | 4.0 | B |
| 9.3 | 33.5 | 41.1 | |
| 9.5 | 38.4 | 9.5 | |
| 9.5 | 41.3 | 50.6 | |
| 9.0 | 42.9 | 23.5 | K |
| 9.0 | 33 0.1 | 20.0 | K |
| 8.7 | 1.7 | 27.6 | K |
| 9.3 | 24.5 | 47.7 | R |
| 8.5 | 30.8 | 39.5 | R |
| 9.3 | 33.5 | 58.2 | K |
| 4.7 | 33.9 | 40.1 | R |
| 9.1 | 58.5 | 57.1 | K |
| 9.4 | 34 2.9 | 19.4 | B |
| 9.5 | 39.2 | 58.4 | |
| 8.0 | 35 13.1 | 40.5 | K |
| 9.4 | 55.2 | 10.9 | b |
| 9.3 | 36 12.8 | 45.7 | |
| 9.5 | 27.6 | 25.8 | |
| 9.5 | 37.9 | 24.8 | |
| 9.5 | 37 5.4 | 39.2 | B |
| 9.3 | 32.5 | 44.2 | |
| 9.5 | 38 3.6 | 4.1 | |
| 9.5 | 8.9 | 10.6 | |
| 9.5 | 36.3 | 27.6 | B |
| 9.0 | 37.2 | 54.5 | K |
| 8.7 | 46.2 | 3.2 | K |
| 9.5 | 40 4.1 | 6.8 | |
| 9.2 | 4.5 | 3.3 | B |
| 9.5 | 47.5 | 13.5 | |
| 9.2 | 48.3 | 54.5 | |
| 9.5 | 41 0.4 | 8.8 | |
| 9.5 | 38.9 | 45.9 | |
| | + | + | |
| 10pr. | 35.85 | 1.24 | |

761—820

| m | 4ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 41′ 52.4 | 13.7 | |
| 9.0 | 42 1.3 | 27.0 | |
| 9.0 | 37.8 | 43.1 | K |
| 9.4 | 43.3 | 43.9 | B |
| 9.5 | 43 30.2 | 53.1 | |
| 9.0 | 36.5 | 1.2 | |
| 9.1 | 44 0.0 | 54.3 | |
| 9.5 | 3.8 | 24.8 | B |
| 9.4 | 55.5 | 46.5 | B |
| 8.8 | 45 6.0 | 31.8 | K |
| 9.2 | 25.2 | 49.5 | L |
| 8.8 | 46 2.5 | 44.3 | |
| 9.2 | 7.3 | 49.2 | |
| 9.1 | 35.4 | 43.8 | |
| 9.4 | 47 11.2 | 3.2 | K |
| 9.0 | 25.4 | 21.7 | L |
| 7.3 | 32.0 | 4.6 | |
| 9.5 | 44.4 | 12.7 | |
| 9.5 | 46.5 | 21.9 | |
| 9.5 | 48 24.6 | 50.4 | |
| 9.5 | 37.3 | 36.1 | |
| 9.5 | 48.0 | 25.9 | |
| 9.5 | 56.0 | 27.8 | |
| 9.5 | 49 22.5 | 46.6 | |
| 9.5 | 32.4 | 4.9 | |
| 9.5 | 36.2 | 52.2 | |
| 9.5 | 47.6 | 47.6 | |
| 9.5 | 56.9 | 41.5 | |
| 9.5 | 50 20.1 | 55.5 | |
| 8.9 | 30.5 | 31.5 | |
| 9.1 | 32.2 | 21.9 | K |
| 8.9 | 51.3 | 50.9 | B |
| 9.2 | 51 8.0 | 3.0 | |
| 9.3 | 20.4 | 55.2 | |
| 8.5 | 25.6 | 22.9 | K |
| 9.5 | 33.4 | 42.6 | |
| 8.8 | 48.9 | 24.5 | K |
| 9.5 | 52 5.6 | 38.0 | |
| 9.0 | 32.4 | 35.2 | K |
| 8.6 | 43.7 | 52.7 | Kb |
| 9.5 | 55.2 | 43.5 | |
| 9.5 | 53 4.9 | 5.1 | |
| 9.5 | 9.5 | 13.8 | |
| 9.5 | 12.1 | 53.4 | |
| 9.5 | 16.0 | 40.7 | |
| 9.2 | 54 4.2 | 46.5 | |
| 9.1 | 4.2 | 59.7 | |
| 9.5 | 7.0 | 4.9 | |
| 9.4 | 10.4 | 5.2 | |
| 9.5 | 24.9 | 25.8 | |
| 9.5 | 32.0 | 32.8 | |
| 8.8 | 55 14.0 | 19.6 | K |
| 9.4 | 16.2 | 34.5 | B |
| 9.5 | 56 1.5 | 4.6 | |
| 9.5 | 10.8 | 4.1 | B |
| 9.5 | 41.5 | 31.7 | |
| 9.4 | 51.5 | 43.4 | |
| 7.5 | 54.4 | 52.3 | Kb |
| 9.2 | 57 2.8 | 42.7 | B |
| 8.8 | 6.0 | 38.7 | |
| | + | + | |
| 10pr. | 36.00 | 1.00 | |

821—880

| m | 4ᵘ—5ᵘ | +22° | |
|---|---|---|---|
| 9.4 | 57′ 8.6 | 6.5 | |
| 9.4 | 10.5 | 16.2 | |
| 9.5 | 20.0 | 27.4 | B |
| 9.5 | 49.5 | 44.1 | |
| 7.0 | 59.4 | 19.5 | K |
| 9.5 | 58 6.9 | 21.7 | |
| 9.5 | 9.8 | 32.0 | |
| 9.3 | 10.5 | 54.1 | |
| 8.7 | 27.0 | 13.0 | K |
| 9.1 | 37.5 | 31.6 | |
| 9.5 | 38.4 | 51.6 | |
| 9.5 | 55.8 | 10.9 | |
| 9.5 | 59 33.9 | 26.5 | |
| 9.2 | 34.7 | 4.6 | |
| 9.5 | 47.6 | 58.2 | |
| 9.5 | 57.0 | 3.1 | |
| 9.1 | 0 17.9 | 42.7 | b |
| 9.5 | 44.8 | 19.1 | |
| 9.1 | 59.6 | 50.9 | |
| 9.5 | 59.9 | 5.8 | |
| 9.5 | 1 6.2 | 50.4 | |
| 9.5 | 29.9 | 9.3 | |
| 9.5 | 48.3 | 17.7 | Rb |
| 9.5 | 58.4 | 53.4 | |
| 9.5 | 2 21.3 | 29.3 | |
| 9.5 | 21.9 | 56.5 | |
| 8.7 | 27.5 | 54.0 | L |
| 8.4 | 38.2 | 11.6 | K |
| 9.4 | 49.3 | 24.9 | B |
| 9.5 | 3 12.9 | 1.9 | |
| 9.5 | 4 33.0 | 2.8 | |
| 9.5 | 39.0 | 7.4 | |
| 9.5 | 5 2.7 | 45.1 | |
| 9.4 | 22.6 | 45.4 | B |
| 9.2 | 24.9 | 31.7 | K |
| 8.6 | 34.8 | 30.2 | K |
| 9.5 | 49.5 | 39.2 | |
| 9.5 | 49.6 | 10.1 | |
| 9.5 | 54.3 | 57.7 | |
| 9.5 | 6 1.5 | 4.2 | |
| 9.4 | 22.8 | 28.0 | B |
| 9.5 | 25.0 | 39.3 | |
| 9.5 | 29.9 | 14.0 | |
| 6.8 | 45.0 | 7.4 | Kb |
| 9.5 | 45.1 | 10.7 | |
| 9.5 | 7 7.5 | 26.5 | |
| 9.3 | 8.7 | 57.9 | |
| 9.5 | 56.9 | 57.6 | |
| 9.5 | 8 1.9 | 36.0 | |
| 9.5 | 11.9 | 47.3 | |
| 9.5 | 26.0 | 55.1 | |
| 9.4 | 36.4 | 37.5 | |
| 9.5 | 44.0 | 25.1 | |
| 9.0 | 48.0 | 42.0 | Kb |
| 9.5 | 9 18.9 | 40.3 | |
| 9.5 | 21.9 | 52.7 | |
| 9.5 | 28.7 | 58.9 | |
| 9.5 | 10 9.4 | 56.4 | |
| 9.5 | 26.3 | 47.8 | |
| 9.5 | 37.0 | 38.9 | |
| | + | + | |
| 10pr. | 36.09 | 0.81 | |

881—940

| m | 5ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 11′ 57.0 | 51.0 | |
| 9.5 | 58.4 | 41.6 | |
| 9.5 | 12 31.9 | 48.7 | |
| 8.8 | 13 11.6 | 48.1 | K |
| 7.0 | 17.0 | 2.5 | |
| 9.1 | 46.3 | 1.4 | Kb |
| 9.5 | 49.9 | 33.4 | |
| 9.5 | 54.9 | 40.2 | |
| 9.5 | 15 19.8 | 57.7 | |
| 9.1 | 29.6 | 1.1 | b |
| 8.8 | 35.6 | 10.7 | |
| 9.5 | 50.2 | 50.4 | |
| 9.0 | 16 4.1 | 50.1 | B |
| 9.5 | 4.3 | 51.3 | |
| 9.5 | 28.0 | 32.4 | |
| 9.5 | 54.7 | 3.7 | |
| 9.5 | 17 7.1 | 45.5 | |
| 9.5 | 17.1 | 36.8 | |
| 9.5 | 18.2 | 38.0 | |
| 9.0 | 19.5 | 41.7 | B |
| 9.2 | 43.0 | 55.0 | |
| 9.5 | 46.2 | 21.9 | |
| 9.4 | 58.3 | 25.1 | B |
| 9.3 | 18 5.0 | 52.5 | |
| 9.5 | 5.9 | 11.4 | |
| 9.5 | 9.7 | 56.0 | |
| 9.0 | 12.0 | 49.8 | |
| 9.2 | 15.0 | 15.2 | b |
| 9.3 | 31.0 | 58.4 | K |
| 9.5 | 57.5 | 18.1 | |
| 9.4 | 19 4.4 | 14.6 | |
| 8.4 | 20.3 | 48.6 | R |
| 9.5 | 23.1 | 1.7 | |
| 7.7 | 39.6 | 37.0 | K |
| 9.4 | 48.0 | 13.2 | |
| 9.4 | 20 1.2 | 38.0 | |
| 9.5 | 4.7 | 50.1 | |
| 9.4 | 9.1 | 35.0 | |
| 9.5 | 16.0 | 1.4 | |
| 9.5 | 55.0 | 8.3 | |
| 9.5 | 21 19.4 | 35.5 | |
| 8.3 | 30.6 | 25.6 | K |
| 9.4 | 50.8 | 48.6 | |
| 9.0 | 56.1 | 14.8 | R |
| 7.5 | 58.0 | 20.7 | K |
| 9.4 | 22 0.4 | 47.4 | |
| 9.4 | 32.5 | 6.2 | |
| 9.2 | 39.0 | 4.7 | K |
| 9.5 | 48.9 | 55.6 | |
| 9.5 | 48.9 | 38.3 | |
| 9.5 | 23 10.0 | 38.1 | |
| 9.5 | 12.6 | 13.4 | |
| 9.5 | 20.2 | 15.0 | |
| 9.4 | 29.7 | 28.0 | B |
| 9.5 | 30.3 | 43.6 | |
| 9.1 | 33.8 | 49.5 | K |
| 9.5 | 42.2 | 59.7 | |
| 9.5 | 24 19.0 | 21.9 | |
| 9.5 | 24.8 | 11.1 | B |
| 9.4 | 26.0 | 25.4 | B |
| | + | + | |
| 10pr. | 36.17 | 0.59 | |

941—1000

| m | 5ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 24′ 27.1 | 38.5 | |
| 8.5 | 31.8 | 50.7 | K |
| 9.5 | 25 0.0 | 28.7 | |
| 9.5 | 0.5 | 38.2 | |
| 9.5 | 5.5 | 10.3 | |
| 9.1 | 14.9 | 19.2 | b |
| 9.0 | 58.6 | 4.3 | B |
| 9.5 | 26 10.0 | 21.7 | |
| 8.3 | 10.7 | 28.1 | R |
| 9.5 | 17.3 | 25.1 | |
| 9.5 | 26.1 | 37.6 | |
| 8.5 | 40.5 | 20.4 | K |
| 9.3 | 27 16.0 | 20.9 | K |
| 9.5 | 19.3 | 16.0 | |
| 9.5 | 42.8 | 47.9 | |
| 9.3 | 28 9.0 | 21.5 | |
| 9.1 | 10.9 | 42.5 | K |
| 9.5 | 18.6 | 24.5 | |
| 8.9 | 21.5 | 1.3 | R |
| 9.5 | 38.1 | 22.1 | |
| 8.9 | 46.6 | 52.3 | K |
| 9.0 | 51.8 | 37.7 | K |
| 8.8 | 29 13.5 | 22.4 | R |
| 9.5 | 16.1 | 55.7 | |
| 9.5 | 24.2 | 11.6 | |
| 9.5 | 35.0 | 3.6 | |
| 9.2 | 38.4 | 35.5 | B |
| 9.2 | 42.4 | 19.4 | B |
| 9.1 | 30 16.2 | 4.2 | R |
| 9.5 | 18.0 | 35.0 | |
| 9.5 | 18.0 | 29.8 | |
| 9.5 | 25.1 | 3.3 | |
| 9.5 | 25.9 | 7.2 | |
| 9.5 | 31 5.9 | 35.8 | |
| 9.5 | 15.6 | 31.9 | |
| 9.2 | 15.6 | 40.5 | B |
| 9.5 | 16.5 | 43.0 | |
| 8.8 | 18.0 | 26.8 | Rb |
| 8.8 | 21.4 | 43.6 | R |
| 9.2 | 38.7 | 6.9 | K |
| 9.2 | 39.5 | 12.8 | R |
| 9.5 | 43.3 | 21.9 | |
| 9.2 | 32 13.0 | 11.5 | |
| 9.5 | 22.7 | 35.0 | |
| 9.5 | 26.1 | 40.4 | |
| 9.4 | 30.8 | 8.2 | B |
| 9.5 | 44.0 | 57.0 | K |
| 9.4 | 55.7 | 6.7 | |
| 8.0 | 58.0 | 48.2 | R |
| 9.5 | 58.0 | 9.1 | |
| 8.7 | 33 3.4 | 36.4 | R |
| 9.5 | 9.0 | 6 6 | |
| 8.2 | 14.3 | 28.3 | R |
| 9.5 | 15.2 | 0.8 | |
| 9.5 | 15.5 | 5.7 | |
| 6.8 | 18.3 | 35.0 | R |
| 9.4 | 18.9 | 56.7 | R |
| 9.5 | 22.5 | 35.6 | |
| 8.9 | 26.5 | 31.3 | B |
| 8.7 | 29.0 | 17.7 | R |
| | + | + | |
| 10pr. | 36.21 | 0.44 | |

1001—1060

| m | 5ʰ | +22° | |
|---|---|---|---|
| 9.5 | 33′ 47.2 | 1.4 | |
| 8.8 | 34 10.0 | 50.1 | K |
| 8.6 | 15.0 | 23.4 | R |
| 8.3 | 15.4 | 35.7 | R |
| 9.5 | 20.0 | 51.7 | |
| 9.0 | 23.3 | 37.7 | R |
| 8.7 | 36.4 | 8.3 | |
| 9.3 | 52.0 | 54.9 | |
| 9.4 | 57.8 | 15.5 | |
| 9.5 | 58.9 | 56.9 | |
| 9.5 | 59.2 | 28.8 | |
| 9.5 | 35 0.1 | 35.5 | |
| 9.5 | 37.6 | 50.8 | |
| 9.5 | 50.5 | 26.8 | |
| 8.4 | 51.5 | 56.9 | R |
| 9.5 | 36 7.2 | 25.5 | |
| 8.4 | 11.4 | 50.3 | K |
| 9.5 | 17.2 | 15.3 | |
| 9.5 | 17.3 | 5.9 | |
| 9.5 | 17.3 | 9.4 | |
| 9.3 | 24.3 | 8.1 | K |
| 9.3 | 43.0 | 44.7 | |
| 9.5 | 37 3.2 | 25.1 | |
| 9.2 | 4.4 | 37.9 | K |
| 8.3 | 23.6 | 42.6 | K |
| 8.8 | 26.0 | 8.6 | |
| 9.5 | 32.2 | 58.0 | |
| 9.5 | 57.5 | 10.8 | |
| 9.5 | 38 5.9 | 52.7 | |
| 9.5 | 17.4 | 20.9 | |
| 8.2 | 29.2 | 28.1 | K |
| 8.0 | 42.5 | 51.8 | R |
| 9.5 | 55.4 | 45.7 | |
| 9.5 | 59.0 | 15.0 | |
| 9.5 | 39 1.0 | 52.5 | |
| 9.5 | 12.5 | 10.3 | |
| 9.5 | 14.0 | 18.1 | |
| 9.4 | 15.6 | 27.6 | R |
| 9.4 | 15.9 | 30.1 | |
| 9.5 | 27.0 | 12.5 | |
| 9.5 | 32.4 | 31.3 | |
| 9.5 | 42.6 | 52.9 | |
| 9.5 | 52.0 | 37.5 | |
| 9.4 | 40 5.4 | 25.9 | R |
| 9.5 | 30.3 | 31.0 | |
| 9.5 | 33.2 | 3.1 | |
| 9.5 | 38.0 | 50.3 | |
| 8.8 | 48.0 | 40.7 | R |
| 9.5 | 59.4 | 46.1 | |
| 8.9 | 41 6.0 | 55.7 | R |
| 8.5 | 12.1 | 54.8 | K |
| 8.5 | 17.0 | 30.1 | R |
| 9.3 | 17.7 | 3.4 | |
| 9.5 | 28.5 | 8.8 | |
| 9.5 | 37.4 | 26.5 | |
| 9.3 | 47.3 | 36.2 | |
| 9.1 | 42 0.4 | 24.9 | |
| 9.5 | 9.8 | 1.3 | |
| 8.4 | 10.3 | 27.6 | K |
| 9.5 | 17.0 | 34.7 | |
| | + | + | |
| 10pr. | 36.24 | 0.31 | |

1061—1120

| m | 5ʰ | +22° | |
|---|---|---|---|
| 9.4 | 42′ 17.4 | 7.9 | K |
| 9.2 | 25.5 | 32.4 | |
| 9.5 | 42.8 | 23.7 | |
| 9.5 | 44.0 | 38.6 | |
| 7.8 | 52.6 | 52.4 | K |
| 9.5 | 43 4.1 | 47.5 | |
| 9.5 | 6.0 | 7.8 | |
| 9.4 | 11.0 | 42.1 | |
| 9.3 | 12.4 | 25.6 | |
| 9.5 | 20.1 | 1.0 | |
| 9.4 | 27.5 | 8.1 | |
| 9.1 | 39.2 | 41.2 | K |
| 9.5 | 52.0 | 37.7 | |
| 9.5 | 57.1 | 24.9 | |
| 9.2 | 44 0.9 | 13.5 | |
| 9.5 | 4.0 | 27.5 | |
| 9.5 | 13.0 | 35.4 | |
| 9.3 | 13.4 | 58.1 | |
| 9.5 | 27.5 | 15.4 | |
| 8.5 | 36.6 | 2.3 | |
| 8.8 | 36.9 | 45.4 | |
| 9.3 | 49.2 | 7.9 | |
| 9.5 | 50.3 | 12.8 | |
| 9.0 | 52.0 | 23.9 | |
| 9.0 | 52.0 | 22.7 | |
| 9.5 | 53.9 | 30.2 | |
| 9.5 | 45 0.6 | 46.6 | |
| 9.5 | 9.7 | 12.9 | |
| 9.4 | 13.0 | 6.1 | |
| 9.5 | 16.5 | 4.6 | |
| 9.5 | 30.0 | 46.3 | |
| 9.5 | 40.4 | 33.7 | |
| 9.3 | 42.7 | 48.0 | |
| 8.9 | 45.8 | 55.2 | |
| 9.4 | 59.6 | 2.9 | |
| 7.6 | 46 8.1 | 29.0 | K |
| 9.5 | 18.5 | 55.2 | |
| 9.5 | 29.4 | 35.2 | |
| 9.3 | 58.1 | 59.5 | B |
| 9.5 | 58.3 | 12.7 | |
| 9.5 | 47 6.6 | 28.7 | |
| 9.5 | 12.0 | 18.9 | |
| 9.5 | 14.3 | 19.2 | |
| 9.1 | 17.5 | 6.3 | b |
| 9.5 | 31.4 | 16.5 | |
| 9.5 | 36.1 | 18.0 | |
| 9.5 | 44.9 | 25.3 | |
| 9.4 | 48.8 | 42.9 | |
| 8.2 | 48 20.8 | 48.6 | K |
| 8.5 | 29.0 | 20.5 | |
| 9.5 | 39.0 | 10.6 | |
| 9.5 | 58.0 | 13.1 | |
| 9.5 | 49 9.0 | 47.9 | |
| 9.2 | 10.2 | 59.9 | B |
| 9.5 | 11.4 | 3.7 | |
| 9.4 | 14.1 | 52.9 | |
| 9.5 | 16.3 | 55.2 | |
| 9.2 | 21.8 | 3.6 | K |
| 9.2 | 39.5 | 13.0 | K |
| 9.4 | 40.0 | 58.8 | B |
| | + | + | |
| 10pr. | 36.25 | 0.21 | |

1121—1180

| m | 5ʰ | +22° | |
|---|---|---|---|
| 9.4 | 49′ 52.4 | 23.6 | |
| 9.1 | 50 14.2 | 42.9 | K |
| 8.5 | 22.1 | 47.3 | K |
| 8.9 | 26.3 | 57.9 | |
| 9.5 | 32.8 | 1.3 | |
| 9.4 | 35.4 | 44.4 | |
| 9.5 | 35.8 | 47.9 | |
| 9.5 | 41.0 | 33.6 | |
| 9.5 | 47.2 | 10.3 | |
| 7.5 | 56.8 | 27.4 | K |
| 8.8 | 51 2.3 | 38.4 | |
| 9.5 | 11.6 | 3.8 | |
| 9.2 | 34.3 | 2.1 | |
| 9.5 | 38.5 | 7.5 | |
| 7.0 | 40.7 | 53.4 | Kb |
| 9.5 | 55.2 | 22.2 | |
| 9.5 | 52 2.1 | 18.7 | |
| 9.3 | 14.8 | 16.5 | |
| 8.9 | 25.6 | 32.1 | K |
| 6.7 | 55.7 | 23.9 | Kb |
| 9.5 | 53 12.9 | 14.0 | |
| 9.4 | 24.7 | 32.0 | |
| 9.1 | 32.1 | 9.3 | |
| 9.5 | 48.9 | 35.0 | |
| 9.3 | 50.4 | 50.8 | |
| 9.3 | 52.3 | 14.3 | — |
| 8.3 | 57.2 | 2.6 | K |
| 9.3 | 54 5.3 | 16.6 | |
| 9.0 | 7.3 | 58.2 | |
| 8.3 | 19.7 | 21.7 | L |
| 8.5 | 26.8 | 20.5 | L |
| 9.3 | 37.4 | 13.5 | K |
| 9.4 | 55 22.1 | 29.1 | |
| 9.4 | 25.8 | 38.2 | |
| 9.5 | 31.2 | 57.6 | |
| 9.5 | 34.7 | 9.9 | B |
| 9.4 | 56 0.8 | 11.7 | |
| 9.3 | 8.4 | 2.0 | |
| 9.3 | 9.1 | 18.9 | |
| 9.5 | 16.0 | 48.7 | |
| 9.5 | 47.6 | 27.3 | |
| 9.3 | 48.5 | 16.6 | |
| 9.5 | 56.9 | 38.1 | |
| 9.4 | 57 8.8 | 27.3 | |
| 9.5 | 9.5 | 39.6 | |
| 9.5 | 14.2 | 49.1 | |
| 9.5 | 32.8 | 43.4 | |
| 9.1 | 43.3 | 53.1 | |
| 9.5 | 51.1 | 2.4 | |
| 9.5 | 58 16.8 | 45.3 | B |
| 8.8 | 21.2 | 10.8 | K |
| 9.3 | 26.0 | 25.6 | K |
| 8.5 | 26.1 | 7.3 | K |
| 9.2 | 27.1 | 46.9 | a |
| 9.0 | 30.6 | 45.2 | B |
| 9.4 | 37.6 | 34.5 | |
| 9.5 | 40.9 | 2.5 | |
| 8.8 | 53.6 | 37.0 | |
| 9.5 | 59 0.5 | 59.5 | |
| 7.5 | 0.5 | 43.4 | P |
| | + | + | |
| 10pr. | 36.26 | 0.08 | |

1181—1240

| m | 5ʰ—6ʰ | +22° | |
|---|---|---|---|
| 9.5 | 59′ 3.7 | 59.4 | |
| 8.5 | 3.8 | 1.3 | K |
| 9.2 | 20.7 | 28.4 | K |
| 9.2 | 32.6 | 6.8 | |
| 8.8 | 36.7 | 13.7 | |
| 9.0 | 42.0 | 59.8 | |
| 9.0 | 48.4 | 37.9 | K |
| 9.2 | 49.2 | 28.7 | |
| 9.5 | 0 10.6 | 9.6 | |
| 9.5 | 16.8 | 26.4 | B |
| 9.0 | 18.4 | 5.0 | |
| 9.5 | 21.0 | 15.9 | |
| 9.2 | 23.8 | 34.5 | |
| 9.5 | 34.9 | 9.2 | |
| 9.5 | 36.5 | 46.5 | |
| 9.3 | 39.9 | 27.3 | |
| 9.3 | 41.1 | 37.8 | |
| 6.5 | 47.5 | 12.6 | K |
| 9.5 | 1 6.9 | 59.0 | |
| 9.5 | 10.2 | 40.4 | |
| 9.5 | 24.1 | 2.2 | |
| 9.5 | 38.0 | 23.6 | |
| 9.4 | 38.1 | 19.6 | B |
| 9.5 | 48.6 | 36.0 | |
| 9.3 | 55.2 | 30.7 | |
| 8.5 | 2 1.7 | 23.4 | |
| 9.3 | 4.0 | 43.5 | |
| 9.5 | 15.7 | 25.4 | |
| 9.4 | 25.4 | 39.2 | |
| 9.5 | 30.0 | 44.0 | |
| 9.5 | 34.3 | 25.6 | |
| 9.5 | 36.9 | 3.6 | |
| 8.8 | 44.1 | 32.2 | |
| 9.5 | 51.1 | 3.5 | |
| 8.8 | 51.3 | 34.3 | |
| 9.5 | 3 4.3 | 44.0 | |
| 9.4 | 4.5 | 39.1 | |
| 9.5 | 12.9 | 4.3 | |
| 9.4 | 21.4 | 12.0 | |
| 6.7 | 32.5 | 56.1 | Kb |
| 9.2 | 43.5 | 39.7 | |
| 9.3 | 50.0 | 29.0 | |
| 9.3 | 48.7 | 21.8 | |
| 9.0 | 56.8 | 0.8 | |
| 9.5 | 58.7 | 1.1 | a |
| 8.7 | 4 6.6 | 29.5 | |
| 9.4 | 40.0 | 32.1 | |
| 9.5 | 49.1 | 14.6 | |
| 9.4 | 54.6 | 11.5 | |
| 9.5 | 58.3 | 7.6 | |
| 9.4 | 5 6.5 | 41.0 | |
| 9.5 | 12.7 | 19.2 | |
| 9.5 | 13.1 | 32.0 | |
| 9.5 | 20.7 | 4.0 | |
| 9.5 | 28.4 | 50.1 | |
| 9.5 | 37.0 | 14.5 | |
| 9.1 | 38.7 | 26.4 | |
| 9.3 | 46.0 | 56.7 | |
| 9.3 | 52.7 | 24.0 | |
| 9.1 | 53.8 | 9.5 | |
| | + | — | |
| 10pr. | 36.26 | 0.04 | |

1241—1300

| m | 6ʰ | +22° | |
|---|---|---|---|
| var | 6′ 7.6 | 32.8 | K |
| 9.4 | 11.7 | 26.1 | B |
| 8.5 | 30.5 | 20.0 | |
| 9.3 | 32.9 | 19.3 | a |
| 9.2 | 38.4 | 10.8 | K |
| 9.4 | 42.0 | 29.6 | |
| 9.5 | 43.3 | 48.6 | |
| 9.5 | 7 4.0 | 57.7 | |
| 9.5 | 11.6 | 21.5 | |
| 8.8 | 14.9 | 12.5 | K |
| 9.4 | 43.5 | 21.0 | |
| 9.5 | 48.3 | 46.4 | |
| 8.3 | 8 7.4 | 13.1 | R |
| 9.2 | 12.8 | 14.5 | K |
| 9.2 | 27.4 | 7.1 | |
| 9.4 | 34.4 | 51.5 | |
| 8.0 | 35.8 | 11.8 | K |
| 9.3 | 40.7 | 28.8 | |
| 9.5 | 42.0 | 48.4 | |
| 9.5 | 43.3 | 53.8 | B |
| 9.2 | 51.5 | 45.9 | |
| 9.5 | 55.8 | 28.7 | |
| 8.8 | 9 8.6 | 27.2 | K |
| 9.5 | 10.6 | 59.5 | B |
| 9.5 | 12.8 | 16.1 | |
| 9.5 | 13.0 | 2.5 | |
| 8.8 | 14.3 | 42.4 | K |
| 9.4 | 17.5 | 56.0 | |
| 9.5 | 19.6 | 6.3 | B |
| 9.3 | 26.2 | 44.1 | |
| 9.5 | 42.5 | 22.5 | |
| 9.5 | 44.3 | 50.3 | |
| 8.6 | 45.4 | 43.8 | K |
| 9.5 | 47.3 | 2.2 | |
| 8.9 | 52.9 | 10.9 | |
| 9.5 | 10 20.4 | 23.9 | |
| 9.5 | 39.2 | 57.8 | |
| 8.5 | 47.1 | 53.0 | K |
| 9.5 | 11 0.4 | 53.7 | |
| 8.7 | 0.8 | 9.7 | |
| 8.8 | 1.5 | 21.9 | |
| 9.3 | 6.4 | 53.7 | |
| 9.0 | 21.4 | 54.4 | K |
| 9.5 | 30.7 | 21.5 | |
| 9.1 | 37.3 | 48.5 | |
| 8.6 | 39.9 | 29.4 | K |
| 9.3 | 12 13.3 | 16.3 | |
| 9.5 | 23.4 | 2.0 | |
| 9.5 | 23.6 | 36.7 | |
| 9.5 | 23.6 | 42.4 | |
| 8.7 | 24.0 | 13.7 | Kb |
| 9.5 | 38.5 | 46.3 | |
| 9.5 | 39.9 | 5.8 | |
| 8.1 | 13 1.3 | 58.2 | K |
| 9.5 | 8.6 | 38.9 | |
| 8.8 | 15.6 | 37.4 | R |
| 9.5 | 18.3 | 14.6 | |
| 9.5 | 19.1 | 9.4 | |
| 9.4 | 37.0 | 46.5 | |
| 8.8 | 39.9 | 2.6 | |
| | + | — | |
| 10pr. | 36.26 | 0.14 | |

| 1301—1360 | | | | 1361—1420 | | | | 1421—1480 | | | | 1481—1540 | | | | 1541—1600 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵘ | +22° | | | 6ᵘ | +22° | | | 6ᵘ | +22° | | | 6ᵘ | +22° | | | 6ᵘ—7ᵘ | +22° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 9.3 | 13′ 45.0 | 53.7 | | 9.5 | 22′ 58.6 | 31.4 | | 8.6 | 30′ 46.9 | 7.3 | K | 9.5 | 40′ 13.6 | 34.0 | | 9.5 | 51′ 15.1 | 17.4 | |
| 9.4 | 59.5 | 47.7 | | 9.3 | 23 2.5 | 53.5 | | 9.5 | 51.7 | 19.1 | | 9.2 | 24.8 | 16.0 | | 9.5 | 25.8 | 49.7 | |
| 9.0 | 14 11.5 | 55.5 | | 9.5 | 6.1 | 49.1 | | 9.5 | 31 3.7 | 25.1 | | 9.5 | 28.8 | 9.6 | | 9.4 | 26.9 | 56.5 | B |
| 3.0 | 13.4 | 34.8 | R | 7.2 | 14 0 | 16.8 | K | 8.8 | 8.6 | 20.6 | K | 7.5 | 30.7 | 27.9 | K | 9.5 | 29.0 | 38.3 | |
| 9.5 | 18.8 | 57.7 | | 9.5 | 24.7 | 20.7 | | 9.5 | 20.2 | 17.5 | B | 8.7 | 35.3 | 18.9 | | 9.2 | 29.8 | 42.7 | K |
| 8.4 | 37.0 | 3.3 | K | 9.3 | 26.0 | 9.7 | B | 9.4 | 24.1 | 1.2 | | 9.0 | 51.6 | 29.9 | K | 9.3 | 33.5 | 1.5 | |
| 9.1 | 40.9 | 6.6 | K | 9.3 | 39.7 | 7.4 | B | 9.3 | 29.6 | 32.4 | Kb | 8.7 | 56.0 | 59.9 | | 9.5 | 57.6 | 13.4 | |
| 9.5 | 50.6 | 10.4 | | 9.4 | 43.2 | 57.5 | B | 9.0 | 32 8.4 | 59.4 | K | 9.3 | 56.0 | 11.2 | B | 9.5 | 52 1.5 | 47.4 | |
| 9.2 | 54.4 | 19.4 | B | 9.4 | 43.7 | 56.4 | | 9.4 | 13.3 | 51.2 | | 9.4 | 41 2.6 | 12.7 | | 8.5 | 12.5 | 12.3 | K |
| 9.5 | 15 0.0 | 6.2 | | 9.5 | 44.6 | 55.8 | | 9.5 | 14.5 | 46.5 | | 8.4 | 8.8 | 13.9 | K | 9.1 | 29.7 | 32.6 | K |
| 9.0 | 0.7 | 27.6 | | 9.5 | 47.5 | 15.9 | | 9.5 | 14.5 | 2.1 | | 9.5 | 10.9 | 43.0 | | 9.4 | 46.1 | 54.0 | |
| 9.2 | 5.1 | 10.4 | | 9.3 | 53.5 | 1.7 | | 9.3 | 18.4 | 56.4 | K | 9.5 | 11.6 | 40.0 | B | 9.4 | 57.3 | 48.1 | |
| 9.5 | 16.4 | 58.3 | | 9.5 | 58.4 | 13.4 | | 9.5 | 20.7 | 27.6 | | 9.5 | 42 3.6 | 51.9 | | 7.7 | 53 13.0 | 15.0 | K |
| 9.4 | 19.6 | 30.0 | | 9.5 | 24 0.0 | 57.6 | | 9.5 | 23.8 | 10.2 | | 9.5 | 22 7 | 21.3 | | 9.4 | 27.4 | 43.2 | B |
| 9.5 | 23.7 | 8.5 | B | 9.5 | 3.0 | 56.5 | | 9.5 | 44.1 | 42.3 | | 9.5 | 28.4 | 56.1 | | 9.1 | 28.2 | 46.7 | |
| 9.3 | 26.6 | 36.5 | K | 9.4 | 21.5 | 47.6 | | 9.5 | 55.6 | 4.4 | | 9.5 | 44.8 | 14.3 | | 9.2 | 33.8 | 10.0 | K |
| 9.5 | 45.7 | 27.5 | | 8.8 | 38.4 | 38.1 | K | 9.5 | 33 1.4 | 30.7 | | 9.5 | 50.6 | 29.6 | | 9.4 | 35.4 | 42.2 | |
| 9.5 | 53.0 | 6.5 | | 9.5 | 39.0 | 7.8 | K | 9.1 | 8.5 | 47.0 | K | 9.5 | 43 7.6 | 8.3 | | 7.0 | 35.9 | 17.5 | K |
| 9.5 | 16 14.8 | 39.9 | | 9.1 | 41.4 | 38.9 | K | 9.1 | 9.5 | 40.8 | | 9.5 | 17.8 | 30.5 | | 9.1 | 54 7.1 | 19.4 | K |
| 9.0 | 27.2 | 8.0 | | 9.3 | 48.3 | 16.4 | | 9.5 | 13.9 | 4.5 | | 9.3 | 44 1.7 | 25.4 | | 9.5 | 24.7 | 51.1 | |
| 9.0 | 31.1 | 6.0 | B | 9.5 | 51.0 | 29.1 | | 9.4 | 34.0 | 55.8 | | 9.4 | 13.7 | 25.4 | | 9.1 | 30.1 | 37.0 | b |
| 9.3 | 48.3 | 35.6 | K | 9.2 | 55.9 | 7.4 | | 9.4 | 35.0 | 25.2 | | 9.5 | 16.8 | 38.0 | | 9.5 | 55.8 | 11.2 | |
| 7.7 | 49.2 | 32.0 | K | 8.7 | 25 12.7 | 26.7 | L | 9.5 | 39.6 | 31.7 | | 9.5 | 20.0 | 51.6 | | 9.5 | 55 49.4 | 59.4 | |
| 9.5 | 17 4.0 | 37.5 | | 8.0 | 19.8 | 13.3 | K | 9.5 | 42.5 | 41.3 | | 9.5 | 26.0 | 0.1 | | 9.4 | 50.4 | 27.5 | B |
| 9.5 | 7.4 | 51.3 | | 9.5 | 21.4 | 53.2 | B | 9.1 | 49.8 | 15.6 | K | 9.2 | 36.5 | 11.3 | | 9.5 | 56 33.0 | 14.5 | |
| 8.5 | 30.5 | 48.1 | K | 8.0 | 22.8 | 13.9 | K | 9.2 | 55.9 | 37.4 | K | 8.4 | 38.7 | 19.3 | B | 7.1 | 35.7 | 52.2 | Rb |
| 8.7 | 38.5 | 48.8 | K | 9.3 | 26.9 | 12.3 | B | 9.5 | 55.9 | 2.0 | | 9.3 | 49.8 | 15.4 | | 9.3 | 57.8 | 54.5 | |
| 9.4 | 18 16.9 | 57.5 | | 9.0 | 42.5 | 9.2 | K | 9.0 | 34 35.6 | 37.5 | | 8.5 | 51.4 | 56.9 | L | 9.5 | 57 30.3 | 25.1 | |
| 9.5 | 20.6 | 13.3 | | 9.5 | 56.3 | 43.7 | | 9.1 | 51.5 | 22.2 | K | 9.4 | 45 5.5 | 41.2 | B | 8.5 | 33.2 | 54.3 | K |
| 8.8 | 27.0 | 7.6 | | 9.4 | 26 6.5 | 33.7 | | 8.7 | 35 0.6 | 36.2 | K | 8.8 | 20.2 | 26.2 | B | 8.8 | 48.7 | 23.0 | K |
| 8.5 | 31.7 | 4.3 | | 9.5 | 7.3 | 12.0 | | 9.3 | 6.4 | 52.4 | | 9.2 | 28.2 | 13.3 | B | 9.5 | 58.7 | 6.2 | |
| 9.4 | 34.7 | 26.6 | | 9.1 | 20.9 | 58.3 | R | 9.5 | 29.1 | 49.2 | | 9.0 | 36.3 | 59.8 | | 9.4 | 58 6.9 | 38.8 | B |
| 9.5 | 44.0 | 38.9 | | 9.3 | 33.6 | 3.4 | | 8.5 | 39.5 | 43.0 | | 9.5 | 53.7 | 28.8 | | 9.5 | 22.9 | 23.9 | |
| 9.5 | 49.5 | 53.9 | | 9.4 | 34.0 | 21.4 | B | 9.4 | 39.6 | 58.1 | | 9.5 | 55.9 | 8.5 | | 9.5 | 28.9 | 12.7 | |
| 9.0 | 52.6 | 11.9 | | 9.5 | 45.9 | 2.0 | | 9.5 | 43.7 | 4.6 | | 7.9 | 46 20.5 | 43.8 | K | 8.8 | 33.4 | 36.5 | |
| 9.4 | 53.6 | 33.8 | | 9.5 | 27 1.7 | 1.3 | | 7.2 | 36 11.0 | 58.6 | K | 9.5 | 26.3 | 58.9 | | 8.4 | 34.0 | 44.0 | L |
| 9.5 | 19 17.4 | 1.6 | | 9.0 | 6.5 | 42.2 | K | 9.5 | 11.4 | 50.4 | | 9.5 | 36.2 | 25.8 | | var | 37.7 | 54.8 | L |
| 9.1 | 17.4 | 10.0 | B | 9.4 | 9.3 | 33.0 | | 8.8 | 11.8 | 10.7 | K | 8.7 | 38.8 | 16.7 | K | 8.9 | 50.3 | 19.3 | B |
| 9.4 | 21.2 | 7.4 | | 9.4 | 20.8 | 26.5 | | 9.5 | 12.7 | 19.3 | | 9.4 | 59.0 | 21.4 | B | 9.5 | 52.7 | 46.5 | ?R |
| 9.5 | 24.4 | 53.9 | | 9.1 | 32.8 | 15.7 | R | 9.5 | 16.3 | 49.0 | | 9.5 | 47 34.5 | 1.9 | | 8.9 | 56.0 | 23.8 | |
| 9.5 | 54.8 | 45.4 | | 9.5 | 46.2 | 6.5 | | 8.5 | 17.9 | 56.2 | K | 9.3 | 48 23.4 | 56.9 | B | 9.1 | 59 2.8 | 58.4 | K |
| 8.8 | 20 7.2 | 36.6 | K | 9.3 | 58.9 | 46.0 | | 9.2 | 26.7 | 14.1 | K | 9.5 | 27.8 | 55.0 | | 9.3 | 3.5 | 20.2 | |
| 9.0 | 30.5 | 55.9 | K | 9.4 | 28 11.4 | 33.5 | | 9.5 | 36.5 | 48.8 | | 8.8 | 34.5 | 1.7 | | 9.3 | 21.1 | 20.6 | |
| 9.5 | 35.6 | 34.0 | | 9.1 | 15.8 | 9.5 | K | 9.4 | 44.6 | 37.0 | | 8.9 | 39.2 | 53.5 | | 9.5 | 22.7 | 58.2 | |
| 9.5 | 52.7 | 27.1 | | 9.2 | 23.6 | 32.7 | | 9.2 | 55.2 | 44.4 | K | 9.5 | 57.7 | 9.9 | | 8.5 | 27.7 | 6.6 | K |
| 9.5 | 21 3.6 | 53.8 | B | 9.5 | 26.9 | 56.0 | | 9.5 | 56.8 | 51.8 | | 9.3 | 59.6 | 4.8 | | 9.2 | 28.0 | 26.4 | |
| 9.0 | 7.4 | 52.0 | K | 9.2 | 40.7 | 8.1 | | 9.5 | 57.1 | 31.8 | | 9.0 | 49 3.7 | 1.3 | B | 8.7 | 32.0 | 8.4 | |
| 9.5 | 14.5 | 46.1 | | 7.8 | 45.8 | 15.7 | K | 9.5 | 37 24.4 | 56.2 | | 9.3 | 10.6 | 6.0 | | 9.0 | 35.0 | 25.6 | K |
| 9.5 | 24.7 | 51.3 | | 9.5 | 48.7 | 27.0 | | 8.8 | 35.2 | 42.9 | K | 9.3 | 10.7 | 42.8 | | 9.0 | 50.3 | 12.7 | |
| 9.5 | 30.0 | 57.3 | | 7.7 | 52.4 | 49.5 | K | 9.3 | 46.2 | 50.8 | | 9.3 | 22.1 | 9.7 | | 8.0 | 55.3 | 10.0 | K |
| 9.4 | 32.4 | 51.2 | | 9.5 | 53.0 | 51.7 | | 9.5 | 38 10.7 | 55.1 | B | 7.3 | 27.5 | 39.5 | B | 9.4 | 0 12.9 | 9.3 | |
| 7.5 | 36.6 | 38.1 | K | 9.5 | 29 33.4 | 14.2 | | 9.4 | 23.6 | 33.2 | | 9.5 | 28.9 | 25.1 | | 9.5 | 25.8 | 37.1 | |
| 9.5 | 47.5 | 35.1 | | 9.5 | 30 3.2 | 50.2 | B | 7.2 | 29.7 | 20.7 | K | 8.8 | 44.6 | 26.4 | B | 8.2 | 29.8 | 3.1 | K |
| 9.5 | 49.2 | 18.3 | | 9.4 | 4.2 | 0.4 | | 9.5 | 39 4.6 | 32.5 | a | 9.5 | 50 15.9 | 52.1 | | 9.1 | 47.7 | 7.0 | K |
| 9.5 | 56.6 | 3.3 | | 8.9 | 13.4 | 40.0 | | 8.7 | 14.8 | 17.7 | Kb | 9.1 | 26.3 | 20.9 | | 9.3 | 57.0 | 7.0 | K |
| 9.0 | 59.5 | 0.2 | K | 7.0 | 21.4 | 9.1 | K | 9.4 | 27.4 | 52.0 | | 9.5 | 36.8 | 38.1 | | 8.0 | 1 1.8 | 35.5 | B |
| 9.5 | 22 19.6 | 31.4 | | 9.5 | 21.9 | 4.2 | | 8.5 | 37.7 | 30.3 | | 9.0 | 39.8 | 29.0 | | 9.5 | 6.6 | 45.1 | |
| 9.5 | 21.0 | 58.3 | | 9.3 | 27.6 | 33.1 | | 9.4 | 44.1 | 9.2 | B | 8.9 | 45.0 | 51.8 | K | 9.3 | 38.3 | 57.3 | |
| 9.5 | 29 0 | 59.9 | | 9.1 | 42.4 | 16.3 | | 9.4 | 47.3 | 41.2 | | 8.6 | 48.5 | 26.3 | | 9.5 | 46.4 | 36.3 | |
| 9.3 | 31.1 | 53.5 | B | 8.8 | 45.5 | 45.6 | | 9.0 | 54.8 | 44.0 | B | 9.5 | 51 2.9 | 23.9 | | 9.5 | 2 0.5 | 49.0 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 36.24 | 0.27 | | 10pr. | 36.22 | 0.38 | | 10pr. | 36.19 | 0.51 | | 10pr. | 36.15 | 0.66 | | 10pr. | 36.08 | 0.84 | |

1590 a
9.5 | 0 3 | 14.1

| 1601—1660 | | | | | 1661—1720 | | | | | 1721—1780 | | | | | 1781—1840 | | | | | 1841—1900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ | | +22° | | | 7ᵘ | | +22° | | | 7ᵘ | | +22° | | | 7ᵘ | | +22° | | | 7ᵘ—8ᵘ | | +22° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 2 | 3.6 | 28.3 | | 8.7 | 14 | 27.5 | 15.2 | K | 8.9 | 25 | 41.1 | 22.7 | | 9.5 | 40 | 22.7 | 27.6 | | 9.5 | 54 | 27.5 | 24.4 | |
| 9.5 | | 26.7 | 44.0 | | 9.0 | | 30.5 | 35.2 | | 9.5 | 26 | 18.7 | 10.6 | | 9.3 | | 28.3 | 36.4 | | 8.8 | | 45.8 | 56.9 | |
| 9.5 | | 47.0 | 3.2 | | 9.4 | 15 | 15.7 | 28.2 | B | 9.5 | | 43.3 | 7.8 | | 9.5 | | 48.5 | 34.6 | | 9.2 | | 46.4 | 17.8 | |
| 9.3 | | 51.3 | 31.8 | | 9.2 | | 19.2 | 41.1 | B | 9.4 | | 47.7 | 23.3 | B | 9.5 | 41 | 26.7 | 22.3 | | 9.3 | | 50.7 | 14.8 | B |
| 9.3 | | 51.5 | 54.3 | B | 9.5 | | 26.0 | 39.2 | | 9.5 | | 51.5 | 26.8 | | 9.5 | | 47.8 | 31.2 | B | 6.3 | 55 | 16.9 | 28.5 | K |
| 9.4 | | 54.9 | 52.3 | | *9.4 | | 46.1 | 39.8 | B | 9.5 | 27 | 0.8 | 4.1 | | 9.3 | | 48.0 | 3.9 | | 7.3 | | 28.8 | 6.5 | K |
| 9.4 | 3 | 7.1 | 50.3 | | 9.5 | | 58.0 | 13.3 | | 9.4 | | 2.1 | 42.6 | B | 9.5 | | 48.0 | 20.8 | | 9.2 | | 57.0 | 40.4 | |
| 9.5 | | 17.0 | 39 9 | | 9.5 | 16 | 0.8 | 21.0 | B | 9.5 | | 18.7 | 44.1 | | 9.5 | | 49 8 | 32.0 | | 9.5 | 56 | 43.5 | 47.3 | |
| 8.0 | | 21.7 | 30.7 | S | 9.4 | | 5.1 | 39.2 | | 9.5 | | 27.0 | 56.2 | | 9.4 | 42 | 8.4 | 26.5 | | 9.5 | | 48.9 | 6.6 | |
| 9.0 | | 27.1 | 14.8 | | 9.5 | | 9.2 | 19.2 | | 9.1 | | 31.5 | 20.1 | *b* | 9.0 | | 19.9 | 31.0 | K | 9.5 | | 52.6 | 37.4 | |
| 9.3 | | 55.6 | 52.2 | | 9.5 | | 21.8 | 4.6 | | 9.5 | | 40.0 | 9.3 | | 8.1 | | 26.2 | 36 6 | K | 9.5 | 57 | 46.3 | 43.3 | |
| 9.0 | 4 | 3.1 | 8.4 | Kb | 9.4 | | 23.1 | 22.6 | | 9.3 | | 48.9 | 21.3 | | 8.7 | | 49.0 | 57.9 | | 8.3 | | 57.1 | 29.6 | L |
| 9.0 | | 15.4 | 39.7 | K | 9.3 | | 35.4 | 50.6 | K | 9.5 | 28 | 19.2 | 8.0 | B | 9.0 | | 58.5 | 30.3 | K | 9.3 | 58 | 0.5 | 59.4 | B |
| 9.5 | | 31.9 | 30.3 | | 9.5 | | 41.5 | 19.7 | | 9.0 | | 20.2 | 53.8 | | 9.0 | 43 | 2.0 | 48.8 | | 7.5 | | 1.3 | 52.4 | K |
| 9.5 | | 45.9 | 32.7 | | 9.2 | | 55.9 | 22.7 | | 7.1 | 29 | 0.8 | 40.2 | K | 9.3 | | 7.0 | 39.0 | B | 9.2 | | 4.2 | 57.1 | |
| 9.4 | 5 | 2.8 | 37.2 | | 9.3 | 17 | 12.7 | 26.1 | *a* | 9.5 | | 3.0 | 12.1 | | 9.4 | | 15.7 | 1.1 | B | 9.4 | | 11.9 | 40.3 | B |
| 9.5 | | 39.5 | 40.7 | | 9.5 | | 19.0 | 51.4 | | 9.5 | | 10.3 | 1.8 | | 9.1 | | 18.4 | 38.2 | K | 9.5 | | 24.0 | 1.9 | |
| 8.8 | | 53.0 | 58.6 | | 9.2 | | 21.5 | 23.4 | K | 9.5 | | 18.1 | 34.4 | | 9.5 | | 40.0 | 59.0 | | 9.4 | | 39.2 | 7.8 | |
| 9.5 | 6 | 27.0 | 27.2 | | 9.3 | | 22.7 | 11.5 | | 9.3 | | 41.0 | 33.9 | | 9.5 | 44 | 10.0 | 12.9 | | 9.5 | | 54.8 | 44.3 | |
| 7.2 | | 54.5 | 12.8 | K | 9.2 | | 27.4 | 10.3 | B | 8.9 | | 50.8 | 3.0 | K | 9.0 | | 16.8 | 38.9 | L | 9.4 | | 57.8 | 38.9 | |
| 8.5 | | 56.1 | 24.1 | K | 9.5 | | 32.5 | 45.7 | | 8.8 | | 52.7 | 38.1 | | 9.4 | | 20.2 | 11.4 | | 9.5 | 59 | 8.5 | 14.5 | B |
| 8.6 | | 57.2 | 47.4 | K | 9.5 | | 34.4 | 56.7 | | 9.5 | 30 | 30.5 | 24.5 | | 9.5 | | 23.0 | 55.2 | | 5.4 | | 14.0 | 1.0 | *Kb* |
| 9.5 | 7 | 5.2 | 41.6 | B | 9.3 | | 52.3 | 14.0 | | 9.3 | | 31.1 | 54.6 | | 6.8 | | 24.5 | 41.7 | *Kb* | 9.0 | | 26.6 | 51.0 | K |
| 9.0 | | 16.4 | 16.5 | K | 9.5 | 18 | 6.5 | 8.3 | | 8.5 | | 51.8 | 2.1 | K | 9.3 | 45 | 42.5 | 39.7 | | 9.4 | | 35.0 | 42.8 | B |
| 9.5 | | 24.9 | 38.6 | | 9.3 | | 29.1 | 34.8 | | 9.5 | | 52.0 | 56.1 | | 9.3 | | 46.0 | 46.1 | | 9.5 | | 43.0 | 39.9 | |
| 9.0 | | 29.4 | 55.4 | Kb | 9.5 | | 45.0 | 40.8 | | 9.5 | 31 | 15.0 | 20.9 | | 8.9 | | 47.5 | 56.1 | | 9.5 | 0 | 5.5 | 1.9 | |
| 9.2 | | 30.0 | 36.1 | | 7.0 | 19 | 0.8 | 26.5 | S | 9.2 | | 45.7 | 38.9 | B | var | 46 | 29.8 | 22.7 | *B* | 9.5 | | 12.5 | 29.4 | |
| 9.5 | | 53.0 | 9.9 | | 9.3 | | 25.7 | 24.5 | | 9.5 | 32 | 10.8 | 44.7 | | *8.2 | | 35.2 | 2.6 | K | 9.4 | | 21.1 | 42.2 | |
| 9.5 | 8 | 5.1 | 13.0 | | 8.3 | | 26.2 | 56.8 | K | 8.3 | | 20.8 | 8.2 | Kb | *9.5 | 47 | 28.0 | 46.1 | | 9.5 | | 25.6 | 9.0 | |
| 9.3 | | 5.1 | 56.7 | | 8.8 | | 55.8 | 32.9 | | 9.5 | | 29.5 | 20.4 | | 7.7 | | 43.7 | 57.4 | K | 9.5 | | 46.8 | 31.9 | |
| 9.4 | | 11.4 | 9.2 | B | 9.3 | | 57.0 | 48.5 | | 7.5 | | 56.8 | 27.1 | K | 9.3 | | 50.0 | 13.4 | K | 9.5 | | 48.7 | 12.5 | |
| 9.3 | | 43.9 | 3.1 | | 9.2 | 20 | 0.6 | 48.9 | Kb | 9.5 | 33 | 14.9 | 7.2 | | 9.5 | | 54.8 | 0.3 | | 9.5 | 1 | 4.2 | 48.5 | |
| 9.0 | | 48.8 | 27.6 | K | 8.9 | | 2.3 | 8.4 | K | 8.7 | | 59.0 | 11.8 | K | 8.7 | | 56.0 | 14.8 | K | 9.5 | | 34.5 | 25.3 | |
| 9.5 | | 50.9 | 35.0 | B | 8.0 | | 14.7 | 7.2 | K | 7.0 | 34 | 4.8 | 33.4 | K | 9.4 | | 58.9 | 41.9 | B | 9.5 | 2 | 6.5 | 34.3 | |
| 9.5 | 9 | 18.8 | 26.3 | | 9.3 | | 47.0 | 16.9 | | 9.5 | | 23.4 | 58.0 | | 9.5 | 48 | 29.7 | 56.0 | | 9.5 | | 8.3 | 42.8 | |
| 9.5 | | 32.4 | 12.4 | B | 9.3 | | 49.7 | 39.6 | | 6.8 | | 43.8 | 44.8 | K | 9.5 | | 38.9 | 11.9 | | 9.4 | | 36.7 | 31.1 | |
| 9.5 | | 33.5 | 9.4 | | 9.2 | 21 | 4.0 | 6.3 | K | 9.5 | 35 | 27.2 | 26.8 | | 9.2 | | 43.8 | 5.6 | K | 9.4 | | 37.2 | 34.1 | Bb |
| 9.5 | 10 | 17.3 | 50.4 | | 9.5 | | 12.5 | 6.3 | | 9.4 | | 31.7 | 3.3 | | 9.5 | | 56.8 | 57.2 | | 9.5 | | 56.7 | 34.3 | B |
| 9.0 | | 18.6 | 58.3 | | 9.2 | | 19.3 | 56.0 | | 9.1 | | 47.4 | 13.4 | K | 9.5 | 49 | 22.5 | 7.7 | | 9.5 | 3 | 13.5 | 58.8 | |
| 9.5 | | 27.8 | 48.2 | | 9.5 | | 36.0 | 17.7 | | 8.8 | | 53.6 | 58.8 | | 9.5 | | 35.6 | 47.2 | | 9.0 | 4 | 14.7 | 49.0 | K |
| 9.5 | | 29.3 | 58.3 | | 9.5 | | 53.9 | 24.8 | | 8.0 | 36 | 4.8 | 47.9 | *B* | 9.4 | | 42.3 | 46.9 | Bb | 9.3 | | 51.9 | 1.7 | |
| 8.0 | | 44.3 | 16.6 | K | 9.5 | | 55.0 | 41.9 | | 8.9 | | 11.5 | 10.4 | K | 9.4 | | 47.7 | 47.6 | | 9.2 | 5 | 3.4 | 20.6 | |
| 9.0 | 11 | 20.0 | 25.9 | K | 9.0 | | 57.7 | 21.7 | | 9.5 | | 23.7 | 33.5 | | 9.5 | 50 | 0.8 | 34.4 | | 9.4 | | 4.3 | 5.1 | |
| 8.9 | | 23.9 | 40.4 | | 9.4 | 22 | 14.4 | 23.6 | B | 9.2 | | 40.9 | 4.7 | K | 9.5 | | 34.3 | 17.6 | | 9.5 | | 7.2 | 35.5 | B |
| 3.5 | | 27.8 | 14.9 | K | 9.5 | | 39.9 | 15.6 | | 8.9 | | 48.8 | 56.0 | K | 9.5 | | 50.7 | 56.2 | | 9.5 | | 11.1 | 33.5 | |
| 9.5 | | 43.2 | 10.5 | | 8.5 | | 42.7 | 35.1 | | 9.5 | 37 | 14.8 | 15.2 | B | 9.5 | | 51.5 | 9.8 | | 8.5 | | 17.2 | 43.4 | Kb |
| 8.7 | | 47.1 | 44.2 | K | 9.2 | 23 | 12.7 | 28.0 | | 9.4 | | 18.5 | 19.4 | | 9.3 | 51 | 2.9 | 38.8 | B | 9.0 | | 31.6 | 6.0 | B |
| 9.5 | | 58.1 | 33.4 | | 9.0 | | 17.8 | 37.4 | | 9.5 | | 45 0 | 20.7 | | 9 5 | | 21.5 | 55.7 | | 9.5 | | 32.5 | 56.8 | |
| 9.5 | 12 | 6.2 | 58.1 | | 9.4 | | 21.1 | 25.4 | | 9.0 | | 53.0 | 54.2 | K | 9.5 | 52 | 7.4 | 45.3 | | 9.2 | 6 | 2.5 | 46.5 | K |
| 9.0 | | 15.7 | 51.9 | K | 9.3 | | 35.8 | 30.4 | B | 9.5 | 38 | 25.0 | 6.4 | | 9.5 | | 16.6 | 52.9 | | 8.9 | 7 | 8.1 | 18.9 | K |
| 9.5 | | 40.0 | 48.2 | | 9.3 | | 39.3 | 39.8 | | 8.6 | | 29.8 | 28.2 | K | 9.5 | | 18.5 | 13.8 | B | 8.9 | | 26.9 | 0.2 | K |
| 9.5 | | 43.5 | 6.6 | | 9.5 | | 50.2 | 1.4 | | 9.5 | | 42.4 | 25.0 | | 8.4 | | 29.9 | 26.2 | K | 8.5 | | 33.7 | 37.1 | L |
| 9.5 | 13 | 18.0 | 16.9 | | 9.4 | | 53.1 | 29.1 | B | 9.5 | | 46.4 | 26.0 | | 9.3 | | 41.4 | 54.1 | | 9.5 | | 50.1 | 26.5 | |
| 9.5 | | 25.0 | 26.6 | | 9.5 | | 57.0 | 34.8 | | 9.5 | | 51.2 | 29.0 | B | 8.6 | | 47.5 | 45.1 | K | 8.4 | 8 | 25.1 | 21.1 | *B* |
| 8.1 | | 30.2 | 54.9 | K | 9.4 | 24 | 12.3 | 34.3 | | 9.5 | | 57.7 | 1.5 | | 9.3 | | 51.0 | 44.3 | B | 9.4 | | 31.2 | 51.4 | |
| 9.5 | | 57.0 | 7.3 | | 9.5 | | 19.0 | 19.7 | | 9.5 | 39 | 23.5 | 50.0 | | 9.5 | 53 | 3.0 | 51.4 | | 9.5 | | 41.8 | 24.4 | |
| 9.5 | | 59.5 | 10.7 | | 9.0 | | 21.9 | 51.8 | | 9.5 | | 45.3 | 39.8 | | 9.5 | | 18.8 | 5.1 | | 9.2 | | 48.1 | 4.7 | |
| 9.0 | 14 | 3.8 | 21.0 | K | 9.5 | 25 | 17.0 | 24.4 | | 9.5 | | 54.1 | 43.4 | | 9.5 | | 21.0 | 12.1 | | 9.3 | 9 | 10.0 | 57.5 | |
| 9.3 | | 8.6 | 30.7 | | 9.3 | | 21.4 | 6.9 | B | 8.5 | | 58.0 | 46.3 | K | 8.0 | | 59.9 | 16.5 | K | 9.0 | | 52.6 | 52.8 | |
| 9.5 | | 19.7 | 56.0 | | 9.5 | | 24.5 | 20.6 | | 8.0 | 40 | 2.4 | 15.8 | B | 9.3 | 54 | 19.8 | 14.9 | B | 8.6 | | 55.2 | 39.6 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *36.01* | *0.99* | | *10pr.* | | *35.92* | *1.14* | | *10pr.* | | *35.81* | *1.31* | | *10pr.* | | *35.65* | *1.51* | | *10pr.* | | *35.51* | *1.68* | |

| | | | | |
|---|---|---|---|---|
| *1665 a* | | | | |
| *9.6* | *15* | *32.5* | *28.6* | *B* |

| | | | | |
|---|---|---|---|---|
| *1807 a* | | | | |
| *9.5* | *46* | *31.0* | *27.8* | *B* |
| *1808 a* | | | | |
| *10.0* | *46* | *36.7* | *18.6* | *B* |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ | | +22° | | | 8ᵘ | | +22° | | | 8ᵘ—9ᵘ | | +22° | | | 9ᵘ | | +22° | | | 9ᵘ—10ᵘ | | +22° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.2 | 10 | 14.0 | 2.6 | | 9.2 | 28 | 8.3 | 18.2 | K | 8.1 | 47 | 37.7 | 14.5 | Kb | 9.5 | 13 | 40.5 | 27.2 | | 9.1 | 46 | 20.1 | 8.9 | K |
| 9.4 | | 18.8 | 15.5 | | 7.7 | | 12.2 | 40.9 | K | 9.1 | | 44.2 | 8.3 | K | 8.2 | | 44.8 | 6.4 | R | 9.2 | | 39.8 | 5.9 | Kb |
| 9.5 | | 20.7 | 47.5 | | 9.2 | | 18.7 | 13.7 | K | 9.5 | | 45.4 | 58.9 | | 9.2 | | 46.9 | 58.3 | B | 9.4 | | 44.9 | 28.3 | |
| 9.5 | | 29.2 | 9.0 | | 9.3 | | 48.4 | 49.0 | | 9.5 | | 45.8 | 42.1 | | 9.2 | | 47.2 | 1.8 | B | 9.5 | 48 | 6.6 | 20.0 | |
| 9.5 | | 51.1 | 55.4 | | 8.6 | | 54.3 | 29.0 | K | 8.9 | 48 | 0.7 | 24.8 | K | 9.5 | 14 | 8.5 | 8.6 | | 9.4 | | 39.3 | 11.3 | |
| 9.2 | | 53.2 | 47.1 | | 9.5 | 29 | 18.1 | 31.2 | | 9.5 | | 11.5 | 59.6 | B | 9.0 | | 52.0 | 56.8 | | 9.5 | 49 | 40.4 | 34.2 | |
| 9.5 | | 56.4 | 1.3 | | 9.5 | | 32.9 | 44.5 | | 9.2 | | 26.3 | 26.5 | | 9.1 | 15 | 1.5 | 49.2 | K | 8.2 | 50 | 23.4 | 59.3 | K |
| 9.4 | 11 | 3.4 | 8.8 | B | 9.5 | | 47.6 | 54.2 | | 9.5 | | 40.1 | 33.7 | | 9.5 | 16 | 13.1 | 43.1 | | 6.7 | 51 | 24.3 | 1.6 | K |
| 9.5 | | 21.0 | 22.2 | | 9.5 | 30 | 29.2 | 40.3 | | 6.7 | | 42.7 | 24.8 | Lb | 9.2 | | 39.2 | 20.3 | b | 9.5 | | 30.8 | 24.2 | |
| 9.4 | | 29.0 | 17.8 | | 9.5 | | 33.5 | 18.3 | | 9.5 | 49 | 7.0 | 18.9 | | 9.5 | 17 | 32.3 | 11.3 | | 9.5 | | 41.6 | 7.0 | |
| 8.9 | | 35.5 | 23.5 | B | 9.4 | | 43.9 | 11.4 | | 9.5 | 50 | 8.3 | 18.2 | | 9.4 | | 58.8 | 29.9 | | 9.1 | 52 | 1.6 | 17.3 | R |
| 9.5 | | 54.4 | 0.9 | | 9.5 | 31 | 56.7 | 3.0 | | 9.5 | | 43.5 | 48.8 | | 9.4 | | 59.0 | 15.0 | | 9.5 | | 25.4 | 21.2 | B |
| 9.5 | 12 | 11.7 | 38.9 | | 9.3 | 32 | 33.0 | 32.2 | | 9.3 | 51 | 17.4 | 49.8 | b | 9.4 | 18 | 22.1 | 8.6 | | 8.7 | | 28.8 | 10.1 | K |
| 8.0 | | 35.6 | 29.3 | K | 9.3 | | 39.6 | 4.1 | | 9.3 | | 21.0 | 32.3 | | 9.1 | 19 | 52.6 | 5.3 | b | 9.0 | | 51.6 | 32.3 | K |
| 7.5 | | 57.2 | 22.1 | K | 9.1 | 33 | 2.6 | 47.0 | K | 9.5 | 52 | 4.3 | 28.6 | | 9.5 | 21 | 19.4 | 58.5 | | 9.1 | | 57.4 | 16.0 | K |
| 8.6 | 13 | 2.6 | 4.2 | K | 9.0 | 34 | 13.8 | 34.8 | | 9.3 | | 22.1 | 20.2 | | 9.5 | | 58.8 | 51.3 | | 8.8 | 53 | 12.8 | 41.4 | K |
| 9.1 | | 31.8 | 33.7 | | 9.4 | | 32.1 | 10.0 | | 8.5 | | 23.8 | 1.9 | | 9.4 | 22 | 4.4 | 56.4 | | 9.4 | | 27.4 | 19.7 | |
| 8.9 | | 44.2 | 3.6 | K | 9.5 | | 40.8 | 56.2 | | 9.5 | 54 | 15.0 | 31.7 | | 8.9 | | 7.0 | 12.4 | K | 9.3 | | 30.7 | 7.1 | |
| 9.4 | 14 | 46.8 | 20.1 | | 9.3 | | 51.0 | 21.9 | | 7.6 | | 24.5 | 5.3 | K | 9.2 | | 10.1 | 57.4 | b | 9.5 | | 38.9 | 52.0 | |
| 9.1 | | 54.7 | 19.1 | B | 9.5 | | 59.3 | 11.3 | | 9.4 | | 27.9 | 45.3 | B | 7.0 | | 12.5 | 28.1 | K | 8.6 | 54 | 2.4 | 24.5 | K |
| 9.2 | | 57.8 | 19.2 | aB | 9.3 | 35 | 38.6 | 25.8 | | 7.4 | | 28.4 | 49.5 | K | 9.4 | 23 | 55.8 | 7.4 | | 9.1 | | 19.2 | 58.2 | K |
| 8.6 | 15 | 6.7 | 17.1 | K | 9.5 | 36 | 20.1 | 2.4 | B | 9.5 | 55 | 52.7 | 24.4 | | 7.2 | 24 | 0.5 | 29.6 | L | 9.2 | | 24.4 | 2.5 | |
| 9.1 | | 10.2 | 33.4 | b | 8.6 | | 29.9 | 22.8 | K | 9.4 | 56 | 8.0 | 32.5 | | 9.3 | | 17.5 | 16.5 | b | 8.8 | | 26.1 | 12.7 | K |
| 9.4 | | 25.3 | 4.9 | | 9.5 | | 31.5 | 53.7 | | 9.5 | | 19.6 | 5.8 | | 8.8 | 25 | 0.5 | 49.6 | K | 5.3 | | 44.4 | 39.7 | Kb |
| 9.2 | 16 | 4.4 | 11.9 | K | 9.4 | 37 | 3.8 | 11.0 | | 9.5 | | 24.7 | 24.9 | | 9.5 | 26 | 18.4 | 11.0 | | 9.3 | 55 | 25.9 | 2.0 | R |
| 9.0 | | 19.7 | 15.6 | K | 9.3 | | 9.2 | 8.3 | | 9.5 | | 24.8 | 10.3 | B | 9.5 | | 34.0 | 30.2 | B | 9.1 | | 48.0 | 12.5 | K |
| 9.4 | | 19.7 | 52.4 | | 9.5 | | 52.3 | 3.2 | | 9.5 | | 44.8 | 58.1 | | 9.4 | | 55.2 | 34.2 | | 8.8 | 56 | 20.5 | 52.5 | K |
| 8.9 | | 42.7 | 17.9 | K | 7.4 | 38 | 2.1 | 53.0 | K | 9.3 | | 58.3 | 7.6 | Kb | 7.5 | 28 | 39.3 | 53.8 | K | 9.5 | | 26.9 | 56.2 | |
| 8.5 | | 48.6 | 49.5 | K | 8.4 | | 10.9 | 9.5 | B | 9.3 | 57 | 17.2 | 8.4 | K | 9.4 | | 51.2 | 0.7 | | 8.6 | | 28.1 | 8.7 | K |
| 9.2 | | 55.6 | 47.3 | B | 9.0 | | 25.1 | 9.7 | B | 9.0 | 58 | 17.2 | 35.4 | B | 9.0 | | 56.3 | 2.6 | B | 8.8 | | 31.4 | 13.5 | K |
| 8.9 | | 58.0 | 56.9 | K | 8.6 | | 50.6 | 4.3 | K | 7.7 | | 32.1 | 58.8 | B | 8.4 | | 57.5 | 34.8 | K | 8.9 | | 35.4 | 20.8 | |
| 9.1 | 18 | 16.3 | 48.8 | Kb | 9.3 | 39 | 25.2 | 9.0 | K | 9.0 | | 57.1 | 31.2 | | 7.6 | 30 | 32.3 | 11.6 | K | 9.2 | | 57.6 | 1.1 | |
| 9.5 | | 46.5 | 21.2 | | 9.5 | | 25.7 | 58.2 | | 9.5 | | 59.2 | 46.2 | B | 9.5 | | 51.0 | 46.0 | | 8.5 | 57 | 1.2 | 31.7 | K |
| 9.3 | 19 | 6.8 | 14.7 | | 9.5 | | 48.0 | 29.6 | | 9.5 | 59 | 9.0 | 50.4 | | 8.0 | 31 | 23.4 | 50.6 | K | 8.2 | | 7.1 | 40.4 | K |
| 9.1 | | 27.8 | 35.3 | b | 9.5 | 40 | 15.0 | 47.9 | | 8.8 | | 13.8 | 12.4 | | 9.5 | 33 | 26.0 | 7.9 | | 9.5 | | 23.2 | 37.6 | |
| 9.4 | | 48.5 | 42.4 | | 9.4 | | 20.3 | 5.4 | K | 9.5 | | 32.1 | 29.5 | | 8.5 | | 54.6 | 12.9 | K | 9.3 | | 23.4 | 34.2 | |
| 8.8 | 20 | 37.1 | 43.3 | K | 9.0 | | 27.9 | 44.2 | K | 9.5 | | 50.2 | 51.5 | | 9.5 | | 54.9 | 37.1 | | 9.4 | | 35.8 | 11.2 | |
| 9.3 | 21 | 20.0 | 23.9 | | 9.0 | | 32.7 | 46.5 | K | 9.1 | 0 | 10.3 | 15.9 | | 9.0 | 34 | 4.0 | 23.7 | K | 9.5 | | 49.5 | 34.5 | |
| 9.3 | | 24.3 | 55.4 | K | 9.0 | | 43.6 | 25.5 | K | 9.1 | | 14.9 | 59.0 | B | 9.3 | | 13.0 | 26.5 | K | 7.5 | 58 | 8.0 | 13.2 | Kb |
| 9.5 | | 24.3 | 14.8 | | 9.1 | | 44.9 | 59.9 | b | 8.7 | | 59.0 | 48.6 | K | 9.5 | | 47.3 | 26.5 | | 9.5 | 59 | 9.9 | 57.8 | B |
| 8.8 | | 26.4 | 30.0 | | 9.3 | 42 | 0.0 | 1.6 | | 4.8 | 1 | 3.2 | 36.9 | Kb | 9.0 | 35 | 0.9 | 52.8 | | 9.0 | | 25.4 | 49.0 | K |
| 9.1 | | 58.7 | 32.1 | K | 9.4 | | 14.3 | 39.0 | | 9.5 | | 32.0 | 47.3 | | 9.5 | | 34.2 | 29.3 | | 9.4 | | 29.4 | 49.7 | |
| 9.5 | 22 | 10.6 | 42.4 | | 9.5 | | 21.6 | 47.0 | | 6.5 | 2 | 3.0 | 34.6 | K | 9.4 | | 35.7 | 25.8 | | 9.4 | 0 | 2.4 | 17.0 | |
| 9.5 | | 11.0 | 20.5 | B | 9.0 | | 43.7 | 46.3 | K | 9.4 | | 7.8 | 48.9 | B | 8.3 | | 44.5 | 44.7 | Kb | 9.5 | | 53.7 | 42.5 | |
| 9.5 | | 48.2 | 43.8 | | 9.4 | 43 | 1.2 | 19.6 | | 7.9 | | 11.7 | 14.3 | K | 9.5 | 36 | 38.6 | 2.0 | | 7.8 | 1 | 8.4 | 30.8 | B |
| 9.5 | 23 | 2.5 | 54.7 | | 8.3 | | 38.9 | 32.9 | Kb | 9.3 | 3 | 44.2 | 51.5 | | 9.4 | | 45.9 | 35.8 | B | 9.0 | | 26.1 | 30.4 | |
| 9.3 | | 20.6 | 14.8 | | 9.4 | | 58.5 | 59.1 | | 9.5 | 4 | 10.9 | 54.4 | | 9.2 | 37 | 20.5 | 49.3 | | 9.1 | 2 | 28.0 | 4.7 | K |
| 9.2 | | 22.5 | 53.4 | | 9.4 | 44 | 8.0 | 32.2 | | 9.5 | | 57.7 | 57.2 | | 9.4 | 38 | 10.7 | 58.7 | | 9.3 | | 59.1 | 26.3 | |
| 8.5 | | 32.4 | 10.4 | | 9.1 | | 10.8 | 55.9 | K | 9.2 | 5 | 32.3 | 56.0 | b | 9.4 | | 31.9 | 20.1 | | 8.8 | 3 | 24.7 | 27.7 | K |
| 8.9 | 24 | 2.0 | 53.9 | B | 9.1 | | 26.9 | 33.2 | K | 9.3 | 7 | 6.9 | 51.8 | | 9.5 | 39 | 40.4 | 3.0 | | 8.7 | 4 | 3.6 | 2.8 | |
| 9.5 | | 37.1 | 51.0 | | 9.5 | | 41.3 | 34.9 | | 9.3 | | 16.2 | 48.3 | b | 9.0 | 40 | 40.8 | 43.4 | K | 8.6 | | 16.8 | 55.9 | K |
| 8.8 | | 42.2 | 21.9 | K | 8.8 | 45 | 34.2 | 19.6 | | 8.0 | 9 | 32.7 | 23.7 | K | 9.4 | | 42.0 | 58.9 | | 8.8 | | 38.2 | 2.9 | |
| 9.4 | 25 | 34.2 | 56.1 | | 8.3 | | 38.2 | 51.2 | K | 9.2 | | 53.3 | 1.0 | Bb | 9.5 | | 53.9 | 50.7 | | 7.8 | 5 | 11.1 | 9.2 | K |
| 9.5 | | 42.0 | 13.8 | | 7.5 | | 55.7 | 46.5 | K | 9.0 | 10 | 20.1 | 10.6 | | 9.0 | | 44.3 | 38.1 | K | 8.3 | 7 | 43.8 | 15.2 | L |
| 9.0 | | 50.7 | 59.8 | | 8.0 | 46 | 8.9 | 22.3 | K | 9.5 | | 21.0 | 52.7 | | 8.8 | 42 | 10.4 | 48.8 | K | 9.5 | 8 | 47.0 | 47.4 | |
| 9.5 | 26 | 32.8 | 41.0 | | 9.3 | | 34.0 | 21.6 | K | 9.5 | 11 | 42.7 | 43.7 | | 9.4 | | 34.9 | 49.6 | | 9.4 | | 53.0 | 50.7 | B |
| 9.5 | | 52.4 | 52.2 | | 9.5 | | 43.7 | 43.0 | | 9.2 | 12 | 0.1 | 52.2 | Bb | 9.3 | | 43.4 | 52.9 | | 7.5 | | 59.9 | 39.0 | K |
| 9.5 | 27 | 1.3 | 50.0 | | 9.5 | 47 | 6.4 | 38.9 | | 8.4 | | 35.0 | 16.9 | B | 8.3 | 44 | 57.6 | 48.8 | K | 9.5 | 9 | 6.8 | 2.8 | |
| 9.3 | | 13.2 | 16.3 | K | 9.5 | | 20.2 | 58.7 | | 9.5 | 13 | 22.9 | 46.1 | B | 9.4 | 45 | 20.3 | 30.1 | | 9.5 | | 46.4 | 0.1 | |
| 9.3 | | 29.9 | 58.2 | | 9.4 | | 27.0 | 0.2 | | 9.1 | | 27.0 | 34.4 | R | 9.5 | 46 | 17.4 | 55.2 | | 7.8 | | 58.0 | 42.2 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.30 | 1.88 | | 10pr. | | 34.98 | 2.13 | | 10pr. | | 34.67 | 2.34 | | 10pr. | | 34.11 | 2.64 | | 10pr. | | 33.56 | 2.87 | |

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ᵘ | | +22° | | | 10ᵘ—11ᵘ | | +22° | | | 11ᵘ | | +22° | | | 11ᵘ | | +22° | | | 12ᵘ | | +22° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.0 | 10 | 23.9 | 37.8 | K | 9.2 | 35 | 6.5 | 39.2 | | 9.4 | 1 | 56.7 | 5.2 | | 9.1 | 29 | 8.1 | 15.7 | S | 9.5 | 0 | 35.4 | 10.0 | |
| 9.4 | | 41.3 | 29.4 | B | 8.7 | | 28.0 | 36.8 | K | 9.5 | 2 | 11.5 | 40.0 | | 9.5 | | 26.8 | 0.7 | | 9.1 | 1 | 35.5 | 36.6 | Kb |
| 8.6 | | 45.5 | 50.8 | K | 9.5 | | 43.9 | 19.2 | B | 9.2 | | 15.8 | 23.1 | R | 8.0 | 30 | 8.8 | 30.3 | K | 9.5 | | 52.8 | 58.9 | |
| 8.7 | 11 | 8.5 | 47.4 | Kb | 8.7 | | 52.2 | 14.8 | B | 8.8 | | 25.9 | 25.2 | K | 7.0 | | 19.0 | 32.6 | K | 9.5 | 2 | 31.3 | 38.2 | |
| 9.5 | | 19.6 | 0.0 | | 9.5 | | 58.5 | 6.6 | | 9.4 | 3 | 6.1 | 46.9 | | 7.3 | | 38.0 | 40.2 | K | 9.4 | | 40.1 | 5.9 | b |
| 9.4 | | 35.2 | 1.2 | B | 9.3 | 36 | 9.0 | 34.7 | | 7.0 | | 9.7 | 7.0 | K | 9.2 | 31 | 4.7 | 10.7 | | 9.5 | 4 | 16.0 | 7.2 | |
| 9.5 | | 57.2 | 49.9 | B | 9.3 | | 35.5 | 34.1 | | 9.1 | | 37.5 | 26.5 | Kb | 8.0 | | 58.6 | 7.2 | K | 9.4 | | 22.5 | 22.2 | B |
| 7.5 | 12 | 15.0 | 43.9 | K | 9.2 | 37 | 2.5 | 2.2 | B | 9.5 | 4 | 9.8 | 34.2 | | 9.1 | 32 | 36.0 | 1.1 | | 9.4 | | 36.3 | 35.5 | |
| 9.4 | 13 | 40.5 | 29.9 | | 9.5 | | 56.5 | 28.5 | | 8.7 | | 29.6 | 50.8 | K | 8.6 | | 40.3 | 11.3 | K | 9.5 | | 44.2 | 18.9 | B |
| 9.0 | | 44.1 | 8.1 | K | 9.4 | 39 | 11.9 | 56.2 | | 9.5 | | 30.6 | 26.1 | B | 9.5 | 33 | 2.3 | 41.0 | | 8.4 | 5 | 32.8 | 1.9 | K |
| 9.3 | | 44.5 | 14.1 | | 9.1 | | 30.0 | 15.1 | b | 9.4 | 5 | 10.3 | 43.4 | | 5.5 | | 16.2 | 9.3 | Kb | 7.5 | | 56.2 | 51.3 | K |
| 9.0 | | 50.8 | 4.6 | K | 8.5 | | 38.0 | 40.2 | K | 9.5 | 6 | 12.8 | 47.6 | | 9.4 | | 44.8 | 45.2 | | 9.0 | 6 | 23.5 | 31.0 | |
| 9.5 | 15 | 53.4 | 54.1 | | 8.1 | 40 | 29.0 | 51.7 | K | 8.7 | | 42.9 | 53.8 | | 9.4 | | 56.3 | 24.4 | | 8.9 | | 23.8 | 6.7 | Kb |
| 9.4 | 16 | 8.3 | 48.4 | B | 9.2 | | 42.5 | 35.1 | Kb | 8.0 | 7 | 6.3 | 14.6 | K | 9.2 | 34 | 29.3 | 28.5 | Kb | 9.5 | 9 | 24.5 | 53.7 | |
| 9.3 | | 52.5 | 37.5 | K | 9.0 | | 49.9 | 54.4 | | 9.5 | | 16.8 | 22.5 | | 9.5 | 35 | 16.4 | 54.8 | | 9.3 | 10 | 17.9 | 56.0 | |
| 9.1 | 18 | 16.5 | 32.6 | b | 9.4 | | 56.0 | 4.4 | | 9.3 | | 51.5 | 14.9 | K | 8.2 | 36 | 56.2 | 11.0 | B | 9.0 | | 25.4 | 58.5 | K |
| 8.2 | 19 | 24.5 | 21.3 | Lb | 9.4 | 41 | 13.4 | 0.4 | | 8.9 | 8 | 57.4 | 39.9 | | 8.9 | 37 | 1.3 | 41.0 | R | 9.5 | | 38.6 | 2.5 | |
| 9.5 | | 36.8 | 5.3 | | 8.7 | | 39.0 | 28.1 | K | 9.5 | 9 | 17.7 | 6.5 | | 9.3 | | 5.6 | 56.1 | B | 9.4 | | 43.4 | 58.8 | B |
| 9.5 | | 51.0 | 0.5 | B | 9.5 | 42 | 44.0 | 15.5 | | 9.4 | | 20.1 | 45.4 | B | 9.5 | | 10.8 | 52.6 | | 8.8 | 11 | 21.4 | 19.5 | |
| 9.2 | 20 | 47.5 | 19.2 | K | 9.5 | 43 | 35.0 | 55.0 | | 8.0 | | 26.3 | 6.5 | K | 9.1 | | 36.2 | 21.3 | b | 9.3 | | 23.8 | 53.7 | |
| 9.3 | | 51.5 | 22.3 | | 9.5 | 44 | 0.5 | 35.7 | | 9.5 | | 45.8 | 58.8 | B | 9.5 | 38 | 35.0 | 6.9 | B | 9.2 | 12 | 1.8 | 48.4 | K |
| 9.4 | 21 | 22.0 | 17.6 | B | 9.5 | | 2.6 | 1.6 | B | 8.8 | 10 | 17.5 | 14.8 | | 9.5 | 39 | 49.8 | 21.3 | | 8.6 | 14 | 10.1 | 18.8 | Kb |
| 9.1 | | 29.5 | 33.2 | K | 9.5 | | 45.2 | 36.7 | | 6.9 | | 21.1 | 58.6 | K | 9.4 | | 57.9 | 43.5 | B | 8.0 | | 20.5 | 6.8 | K |
| 9.5 | | 45.0 | 27.4 | | 9.0 | 45 | 3.6 | 37.5 | B | 8.3 | | 40.9 | 5.0 | | 9.5 | 40 | 18.8 | 56.5 | | 7.4 | | 26.4 | 39.9 | K |
| 9.2 | | 55.7 | 49.1 | K | 9.2 | | 5.7 | 54.8 | a | 9.4 | 11 | 10.2 | 44.6 | B | 9.3 | 41 | 23.5 | 58.1 | | 9.5 | 15 | 28.4 | 37.5 | |
| 9.5 | 22 | 8.3 | 1.8 | | 9.0 | | 11.0 | 55.1 | L | 9.5 | | 18.4 | 36.6 | | 9.5 | 42 | 11.8 | 17.5 | | 9.4 | 16 | 55.0 | 54.2 | |
| 8.5 | | 23.0 | 17.9 | L | 9.5 | | 40.5 | 28.2 | | 7.7 | 12 | 26.0 | 42.0 | K | 8.7 | | 13.9 | 54.0 | K | 8.5 | 17 | 13.1 | 58.3 | K |
| 9.5 | | 34.6 | 54.6 | B | 9.5 | 47 | 5.9 | 49.2 | B | 9.5 | 13 | 6.0 | 2.7 | B | 9.4 | | 29.3 | 54.1 | | 9.5 | | 30.9 | 26.4 | |
| 9.5 | | 37.0 | 32.5 | B | 9.4 | | 9.1 | 48.3 | B | 9.5 | | 37.4 | 3.4 | | 8.5 | | 47.3 | 15.8 | | 9.5 | | 31.0 | 7.5 | |
| 8.7 | 23 | 11.1 | 56.7 | K | 7.5 | 49 | 23.5 | 35.2 | K | 9.0 | | 51.5 | 46.6 | K | 9.5 | 43 | 50.7 | 10.0 | | 8.8 | 18 | 7.2 | 4.8 | |
| 8.9 | | 12.4 | 0.6 | Kb | 7.8 | 50 | 48.1 | 39.6 | K | 9.5 | 14 | 4.3 | 57.2 | | 9.3 | 44 | 3.9 | 55.1 | | 9.3 | | 17.4 | 38.7 | Kb |
| 7.0 | 24 | 3.5 | 46.1 | K | 7.5 | | 50.9 | 0.7 | K | 9.5 | | 30.5 | 25.6 | | 9.4 | | 31.8 | 26.8 | | 9.5 | 19 | 30.4 | 11.0 | |
| 9.5 | | 11.5 | 57.7 | | 7.4 | | 55.5 | 16.7 | K | 9.4 | | 57.4 | 5.4 | Bb | 9.4 | | 37.8 | 33.7 | | 9.3 | 20 | 0.0 | 4.1 | |
| 9.0 | 25 | 47.3 | 18.9 | B | 9.3 | 51 | 1.5 | 46.3 | | 8.6 | 16 | 52.8 | 34.1 | | 8.7 | 45 | 4.7 | 18.0 | | 9.4 | | 4.2 | 48.5 | |
| 9.3 | 26 | 15.4 | 30.1 | | 8.4 | | 2.5 | 26.3 | Lb | 9.4 | 18 | 20.2 | 22.8 | | 9.5 | | 17.8 | 32.0 | | 9.5 | 21 | 26.1 | 32.3 | |
| 7.0 | | 29.0 | 20.6 | K | 7.0 | 52 | 15.7 | 47.5 | K | 9.4 | | 37.1 | 40.3 | | 9.3 | | 18.8 | 7.7 | Bb | 8.7 | | 33.4 | 48.4 | K |
| 8.9 | | 57.5 | 28.1 | | 9.4 | 53 | 31.1 | 14.9 | | 9.4 | | 54.5 | 50.3 | | 9.5 | | 55.2 | 3.8 | B | 9.3 | 22 | 57.9 | 46.4 | B |
| 9.5 | 27 | 17.3 | 2.2 | B | 9.5 | | 52.9 | 3.6 | | 8.6 | 19 | 1.4 | 38.2 | K | 9.0 | 46 | 29.0 | 53.5 | | 7.0 | 23 | 4.5 | 44.9 | K |
| 9.5 | | 21.5 | 36.1 | | 9.0 | 54 | 11.5 | 46.9 | K | 8.5 | | 3.4 | 25.4 | K | 8.9 | 48 | 9.8 | 57.9 | K | 9.4 | | 23.9 | 1.2 | |
| 7.5 | | 24.1 | 8.1 | Kb | 8.8 | | 28.6 | 46.1 | K | 9.3 | | 11.3 | 0.9 | | 9.5 | | 10.6 | 6.8 | | 9.5 | | 38.8 | 9.9 | |
| 9.5 | | 45.0 | 55.5 | | 9.3 | | 43.4 | 6.2 | | 9.4 | | 14.7 | 54.1 | | 7.8 | | 34.3 | 48.6 | K | 9.1 | | 46.4 | 30.2 | |
| 9.3 | 28 | 32.5 | 11.3 | | 9.2 | | 51.5 | 44.1 | K | 7.5 | | 26.2 | 39.7 | Kb | 9.5 | 49 | 32.1 | 50.6 | | 8.0 | 24 | 18.2 | 22.7 | B |
| 8.5 | | 50.5 | 21.0 | K | 9.3 | 55 | 27.8 | 29.3 | | 9.5 | 20 | 46.5 | 51.7 | | 8.9 | 50 | 18.3 | 30.3 | K | 8.6 | | 26.1 | 55.8 | K |
| 9.5 | 29 | 0.0 | 40.6 | | 9.5 | | 31.5 | 35.6 | | 9.0 | 21 | 50.1 | 13.4 | | 9.2 | | 29.0 | 58.4 | | 9.5 | 25 | 9.8 | 53.0 | |
| 9.5 | | 32.0 | 18.2 | | 9.0 | | 55.1 | 43.1 | | 8.9 | 22 | 40.1 | 41.0 | K | 8.2 | | 52.1 | 36.2 | K | 8.5 | | 42.1 | 30.5 | K |
| 9.5 | | 41.0 | 47.2 | B | 9.5 | 56 | 6.7 | 7.1 | | 9.1 | 23 | 2.8 | 16.2 | b | 9.1 | 51 | 50.7 | 34.1 | Kb | 9.0 | 26 | 5.3 | 38.2 | Kb |
| 8.4 | 30 | 5.5 | 49.4 | K | 9.5 | | 7.8 | 18.0 | | 9.5 | | 7.4 | 26.2 | B | 9.4 | 52 | 5.8 | 3.7 | B | 9.5 | | 43.2 | 58.5 | |
| 9.5 | | 19.4 | 33.0 | R | 9.4 | | 45.8 | 57.6 | | 9.5 | | 12.9 | 33.7 | B | 9.5 | 53 | 29.0 | 52.7 | | 9.5 | 27 | 13.2 | 50.1 | B |
| 9.5 | | 20.0 | 15.3 | | 9.4 | | 48.7 | 54.3 | | 9.5 | | 39.8 | 57.9 | | 9.0 | | 32.9 | 44.2 | K | 7.5 | | 32.5 | 21.9 | K |
| 9.5 | | 49.0 | 14.8 | | 9.5 | 57 | 15.6 | 24.5 | | 9.4 | 24 | 10.0 | 51.4 | B | 6.7 | 54 | 18.6 | 54.5 | K | 6.5 | | 53.8 | 41.4 | K |
| 8.3 | 31 | 26.5 | 19.6 | K | 9.3 | 58 | 15.1 | 22.5 | Kb | 8.8 | | 25.5 | 39.2 | K | 9.5 | | 39.3 | 10.6 | B | 9.5 | 28 | 12.9 | 16.8 | |
| 7.9 | | 27.1 | 56.7 | K | 9.4 | | 15.2 | 56.0 | B | 9.5 | | 47.8 | 39.2 | | 9.2 | | 45.2 | 24.5 | | 9.5 | 29 | 4.7 | 2.0 | |
| 8.8 | | 52.8 | 9.8 | K | 8.6 | 59 | 9.5 | 19.7 | K | 9.1 | 25 | 14.8 | 47.2 | | 9.5 | 55 | 1.9 | 16.6 | B | 9.5 | 30 | 52.4 | 23.0 | |
| 9.5 | 32 | 19.3 | 2.8 | | 9.5 | | 11.6 | 56.1 | | 8.5 | | 46.7 | 23.4 | K | 8.7 | | 4.3 | 33.3 | B | 9.5 | | 54.5 | 54.3 | Bb |
| 8.6 | | 25.5 | 34.4 | K | 9.6 | | 24.5 | 1.8 | | 8.2 | 26 | 35.9 | 49.7 | K | 9.3 | | 8.4 | 46.3 | | 9.5 | | 55.2 | 58.3 | |
| 9.5 | | 28.8 | 42.3 | B | 7.7 | | 44.3 | 50.0 | K | 9.5 | 27 | 0.3 | 59.3 | | 9.5 | 56 | 28.3 | 41.3 | | 9.5 | 31 | 0.0 | 3.1 | |
| 9.3 | 33 | 8.4 | 51.9 | | 8.3 | 0 | 3.1 | 50.4 | K | 9.4 | 28 | 25.3 | 31.0 | | 6.0 | | 50.7 | 15.2 | Kb | 9.5 | | 42.8 | 12.6 | B |
| 8.2 | | 59.5 | 56.0 | K | 9.2 | | 16.8 | 8.6 | | 9.5 | | 41.4 | 42.1 | | 8.7 | 58 | 16.1 | 22.7 | K | 9.5 | | 53.5 | 3.8 | |
| 9.5 | 34 | 4.5 | 52.3 | | 9.5 | | 36.9 | 56.7 | | 9.4 | 29 | 4.3 | 16.5 | aB | 9.4 | | 48.5 | 45.2 | B | 9.4 | 32 | 30.1 | 52.9 | B |
| 9.2 | | 11.0 | 37.8 | | 9.3 | 1 | 55.8 | 44.6 | | 9.0 | | 5.6 | 24.3 | B | 9.5 | 59 | 41.3 | 7.2 | | *8.0 | 33 | 4.0 | 19.2 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 32.99 | 3.05 | | 10pr. | | 32.38 | 3.19 | | 10pr. | | 31.83 | 3.27 | | 10pr. | | 31.12 | 3.33 | | 10pr. | | 30.28 | 3.33 | |

2499 a

| 9.4 | 32 | 40.8 | 48.9 | B |
|---|---|---|---|---|

2501—2560

| m | 12ᵘ—13ᵘ | +22° | |
|---|---|---|---|
| 9.0 | 33′ 25.1 | 56′ 0 | K |
| 9.5 | 26.7 | 50.6 | B |
| 8.3 | 34 12.4 | 38.0 | L |
| 9.5 | 44.1 | 5.3 | B |
| 9.5 | 35 59.4 | 54.6 | |
| 7.4 | 37 13.4 | 47.1 | K |
| 9.5 | 54.8 | 5.6 | |
| 9.5 | 38 6.0 | 56.7 | |
| 9.1 | 35.9 | 50.5 | K |
| 9.0 | 39 9.7 | 0.5 | |
| 9.3 | 14.4 | 22.6 | |
| 7.6 | 40 41.1 | 26.4 | K |
| 8.8 | 41 34.4 | 48.7 | K |
| 9.5 | 51.3 | 22.6 | |
| 8.9 | 42 2.5 | 34.7 | K |
| 9.3 | 30.9 | 2.8 | |
| 8.3 | 40.4 | 26.7 | R |
| 9.5 | 43 4.6 | 0.6 | |
| 5.2 | 46 10.0 | 2.7 | S |
| 9.5 | 56.4 | 31.6 | |
| 8.5 | 47 28.0 | 22.6 | K |
| 7.0 | 31.7 | 54.0 | K |
| 8.9 | 48 31.7 | 57.8 | K |
| 9.5 | 49 28.9 | 55.2 | |
| 9.3 | 38.0 | 16.7 | |
| neb | 40.7 | 29.5 | |
| 9.3 | 50 42.8 | 50.5 | |
| 9.3 | 52.7 | 41.3 | |
| 9.5 | 58.9 | 47.7 | |
| 9.2 | 51 10.8 | 6.1 | b |
| 6.8 | 36.3 | 49.9 | K |
| 7.3 | 53 9.9 | 21.2 | K |
| 8.9 | 36.5 | 34.3 | |
| 9.3 | 54 9.4 | 11.5 | |
| 9.5 | 15.0 | 29.8 | |
| 9.3 | 28.1 | 32.6 | B |
| 7.0 | 30.3 | 3.4 | K |
| 9.2 | 32.5 | 13.2 | B |
| 9.5 | 55 46.3 | 35.9 | B |
| 7.4 | 57 1.0 | 40.3 | Kb |
| 8.3 | 59.0 | 16.3 | B |
| 9.3 | 58 27.9 | 23.6 | |
| 9.5 | 59 23.0 | 39.0 | |
| 9.4 | 1 50.8 | 29.1 | |
| 8.1 | 2 5.2 | 13.9 | B |
| 9.4 | 29.5 | 16.4 | |
| 9.4 | 53.7 | 24.1 | |
| 9.4 | 3 13.3 | 7.1 | |
| 9.3 | 45.3 | 55.5 | |
| 7.0 | 49.2 | 0.5 | Kb |
| 9.3 | 4 28.4 | 57.1 | |
| 7.1 | 31.2 | 41.5 | K |
| 9.1 | 34.6 | 20.0 | K |
| 9.4 | 50.2 | 50.1 | |
| 9.5 | 5 2.1 | 44.2 | |
| 9.4 | 31.2 | 49.2 | |
| 9.4 | 6 12.9 | 32.9 | |
| 9.4 | 31.8 | 30.7 | |
| 9.1 | 7 14.8 | 4.0 | K |
| 9.4 | 15.3 | 51.7 | |
| | + | — | |
| 10pr. | 29.49 | 3.26 | |

2561—2620

| m | 13ᵘ | +22° | |
|---|---|---|---|
| 8.6 | 8′ 0.2 | 0.1 | Kb |
| 9.5 | 7.9 | 33.8 | |
| 9.0 | 18.0 | 40.0 | K |
| 7.5 | 57.4 | 9.4 | K |
| 9.2 | 9 16.9 | 32.4 | K |
| 9.5 | 28.3 | 52.7 | Kb |
| 9.3 | 31.3 | 55.4 | K |
| 9.5 | 45.9 | 35.9 | |
| 9.5 | 11 29.2 | 49.5 | |
| 9.0 | 12 38.4 | 59.0 | K |
| 9.5 | 56.9 | 36.8 | |
| 9.1 | 13 33.7 | 23.0 | K |
| 9.5 | 14 21.4 | 7.2 | |
| 8.9 | 16 47.6 | 21.0 | K |
| 9.4 | 17 15.2 | 49.2 | |
| 9.4 | 18 7.2 | 49.0 | |
| 9.5 | 9.3 | 2.8 | |
| 9.4 | 19 2.2 | 50.7 | |
| 9.0 | 26.2 | 30.4 | |
| 8.7 | 20 9.1 | 19.5 | |
| 8.8 | 36.2 | 2.0 | K |
| 9.5 | 21 5.0 | 4.2 | |
| 9.5 | 22 11.8 | 7.8 | |
| 7.4 | 12.3 | 55.9 | K |
| 9.4 | 35.0 | 39.1 | |
| 9.5 | 23 11.3 | 33.0 | |
| 9.2 | 22.0 | 14.8 | K |
| 9.3 | 22.3 | 54.4 | Kb |
| 8.0 | 24 14.3 | 4.9 | K |
| 9.5 | 47.7 | 20.8 | B |
| * 9.5 | 26 4.1 | 11.3 | |
| 9.5 | 24.6 | 18.5 | |
| 9.5 | 25.4 | 55.7 | |
| 9.5 | 31.9 | 36.5 | |
| 9.1 | 50.1 | 42.9 | K |
| 9.2 | 58.3 | 3.0 | |
| 8.8 | 27 1.4 | 9.2 | K |
| 9.4 | 22.2 | 1.0 | |
| 9.1 | 31.7 | 24.7 | |
| 9.4 | 32.9 | 8.2 | |
| 9.5 | 28 26.2 | 49.2 | |
| 9.3 | 39.9 | 35.9 | |
| 9.4 | 48.2 | 49.0 | |
| 9.0 | 29 4.4 | 8.2 | K |
| 9.4 | 11.3 | 5.0 | |
| 8.7 | 29.5 | 16.9 | K |
| 8.5 | 33.0 | 40.4 | K |
| 9.5 | 35.9 | 44.0 | |
| 9.4 | 36.9 | 45.2 | B |
| 9.4 | 30 13.8 | 29.6 | |
| 9.4 | 56.7 | 47.5 | |
| 9.0 | 32 0.8 | 10.9 | |
| 9.0 | 9.5 | 21.6 | Kb |
| 9.5 | 33 14.3 | 7.4 | |
| 8.5 | 24.7 | 21.6 | K |
| 8.0 | 29.3 | 58.1 | L |
| 9.2 | 34 12.6 | 8.7 | |
| 9.3 | 13.9 | 2.5 | |
| 9.5 | 35 25.5 | 6.7 | |
| 8.7 | 30.8 | 18.4 | K |
| | + | — | |
| 10pr. | 28.71 | 3.11 | |

2621—2680

| m | 13ᵘ—14ᵘ | +22° | |
|---|---|---|---|
| 8.2 | 36′ 37.4 | 44.9 | B |
| 9.0 | 38.7 | 25.7 | |
| 9.3 | 49.8 | 4.0 | |
| 8.0 | 37 8.7 | 33.0 | K |
| 8.7 | 26.7 | 36.4 | K |
| 8.8 | 38 31.8 | 31.2 | Kb |
| 9.3 | 55.0 | 48.8 | |
| 9.5 | 58.8 | 11.5 | |
| 9.3 | 39 14.7 | 57.6 | B |
| 9.5 | 40 15.8 | 7.4 | |
| 9.4 | 45.6 | 2.5 | |
| 9.4 | 49.2 | 9.8 | |
| 9.2 | 41 44.3 | 29.9 | K |
| 9.3 | 46.9 | 44.1 | |
| 8.8 | 42 9.8 | 16.4 | |
| 9.2 | 54.0 | 32.7 | |
| 9.1 | 43 4.8 | 32.7 | |
| 9.0 | 29.7 | 40.3 | |
| 8.4 | 41.5 | 15.8 | B |
| 8.3 | 44 28.2 | 14.0 | R |
| 9.2 | 45 1.8 | 59.4 | b |
| 9.3 | 35.3 | 53.8 | |
| 8.8 | 46 12.2 | 50.3 | |
| 9.3 | 27.8 | 30.1 | B |
| 9.5 | 47 52.2 | 34.4 | |
| 9.2 | 48 24.3 | 45.0 | b |
| 9.3 | 49 12.2 | 39.8 | |
| 9.0 | 36.2 | 54.2 | K |
| 9.0 | 50 37.8 | 38.6 | |
| 5.5 | 51 52.1 | 24.7 | Kb |
| 6.8 | 54 18.1 | 41.2 | K |
| 8.4 | 23.4 | 5.6 | |
| 9.5 | 33.9 | 34.2 | |
| 7.5 | 55 11.9 | 15.9 | K |
| 9.5 | 56 9.7 | 13.5 | |
| 8.0 | 12.4 | 45.7 | K |
| 9.5 | 41.4 | 31.2 | |
| 9.3 | 57 2.8 | 58.6 | |
| 8.0 | 42.7 | 4.9 | Kb |
| 9.5 | 58 3.8 | 3.8 | |
| 6.5 | 59 29.9 | 51.9 | K |
| 9.2 | 31.9 | 41.2 | K |
| 9.4 | 33.5 | 57.7 | |
| 9.5 | 39.4 | 17.0 | |
| 9.3 | 57.3 | 9.0 | B |
| 9.5 | 1 16.9 | 45.6 | |
| 9.1 | 21.2 | 55.9 | b |
| 9.3 | 2 2.0 | 6.8 | |
| 9.4 | 3 5.5 | 54.3 | |
| 9.3 | 27.4 | 37.0 | |
| 8.2 | 4 27.9 | 25.6 | K |
| 9.1 | 47.9 | 29.5 | K |
| 9.5 | 52.4 | 48.1 | |
| 9.1 | 6 55.1 | 53.8 | |
| 9.5 | 7 4.3 | 27.1 | B |
| 9.4 | 48.4 | 18.5 | |
| 8.2 | 58.0 | 5.2 | K |
| 6.5 | 58.1 | 34.2 | K |
| 9.5 | 8 17.9 | 36.7 | |
| * 9.5 | 50.5 | 14.6 | |
| | + | — | |
| 10pr. | 28.09 | 2.94 | |

2681—2740

| m | 14ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 10′ 54.8 | 54.7 | |
| 9.4 | 11 35.3 | 13.2 | |
| 7.8 | 49.3 | 8.5 | K |
| 9.5 | 12 11.7 | 2.0 | |
| 9.0 | 36.8 | 46.8 | K |
| 8.6 | 14 20.3 | 22.9 | |
| 8.0 | 21.8 | 36.1 | K |
| 9.0 | 44.3 | 1.3 | Kb |
| 9.5 | 15 0.3 | 54.8 | |
| 9.5 | 32.8 | 26.8 | |
| 9.4 | 55.1 | 32.6 | B |
| 9.5 | 16 20.8 | 39.6 | |
| 8.2 | 42.4 | 55.5 | K |
| 9.5 | 17 17.0 | 39.2 | |
| 8.2 | 35.4 | 7.6 | L |
| 8.5 | 39.3 | 21.6 | |
| 7.1 | 18 8.6 | 1.4 | K |
| 8.5 | 44.3 | 37.5 | K |
| 8.7 | 19 7.2 | 56.7 | B |
| 9.3 | 11.8 | 55.6 | |
| 8.6 | 32.3 | 33.6 | Kb |
| 9.5 | 33.0 | 56.4 | |
| 9.3 | 52.3 | 28.1 | |
| 9.5 | 58.3 | 34.0 | |
| 8.2 | 59.2 | 14.4 | L |
| 8.5 | 21 14.9 | 2.3 | |
| 9.5 | 42.4 | 59.4 | |
| 9.5 | 22 8.2 | 3.0 | |
| 9.5 | 23 4.8 | 37.1 | |
| 9.5 | 16.1 | 55.3 | |
| 9.5 | 29.6 | 27.9 | B |
| 9.5 | 24 23.8 | 19.6 | |
| 9.2 | 25 24.1 | 6.9 | b |
| 8.5 | 26.3 | 43.1 | K |
| 5.3 | 56.8 | 54.1 | K |
| 9.0 | 26 29.3 | 32.1 | K |
| 9.5 | 57.6 | 21.7 | |
| 8.8 | 27 37.6 | 2.8 | |
| 9.4 | 28 45.8 | 19.5 | |
| 9.4 | 49.6 | 6.4 | |
| 9.3 | 30 4.8 | 29.2 | Kb |
| 9.5 | 11.8 | 45.5 | |
| 9.5 | 36.7 | 2.0 | |
| 9.1 | 31 5.2 | 6.2 | Kb |
| 9.5 | 32 32.9 | 5.5 | |
| 9.3 | 39.1 | 31.3 | B |
| 8.0 | 33 11.7 | 48.2 | K |
| 9.4 | 17.3 | 30.7 | |
| 9.4 | 22.0 | 34.0 | |
| 9.2 | 44.5 | 53.4 | |
| 6.0 | 48.8 | 36.4 | K |
| 9.3 | 50.7 | 53.5 | |
| 9.4 | 34 14.7 | 40.5 | B |
| 9.4 | 19.2 | 52.3 | B |
| 9.5 | 19.3 | 59.1 | |
| 8.9 | 25.1 | 39.7 | K |
| 9.5 | 36 8.3 | 59.8 | |
| 8.1 | 25.3 | 24.4 | L |
| 8.7 | 57.2 | 24.8 | K |
| 9.3 | 37 0.9 | 46.9 | |
| | + | — | |
| 10pr. | 27.48 | 2.71 | |

2741—2800

| m | 14ᵘ—15ᵘ | +22° | |
|---|---|---|---|
| 9.5 | 37′ 16.3 | 16.8 | |
| 9.4 | 38.8 | 47.8 | |
| 9.0 | 38 21.5 | 26.5 | |
| 9.1 | 37.3 | 33.4 | |
| 8.5 | 39 29.8 | 40.3 | K |
| 9.5 | 34.2 | 59.0 | |
| 9.5 | 40 7.1 | 9.0 | |
| 9.5 | 55.0 | 8.3 | |
| 9.2 | 41 4.3 | 49.5 | K |
| 8.2 | 25.9 | 18.9 | B |
| 9.5 | 42 58.3 | 14.0 | |
| 9.5 | 43 5.7 | 58.6 | |
| 9.5 | 7.3 | 28.2 | |
| 8.8 | 42.8 | 30.7 | Kb |
| 9.5 | 44 35.6 | 2.0 | |
| 8.7 | 38.5 | 54.8 | K |
| 9.5 | 46 22.3 | 5.5 | |
| 9.4 | 27.3 | 46.2 | |
| 9.2 | 47 16.9 | 30.3 | b |
| 9.4 | 25.2 | 28.2 | |
| 9.0 | 49 28.6 | 48.0 | B |
| 9.5 | 50 27.1 | 56.6 | |
| 9.5 | 28.5 | 24.4 | |
| 6.2 | 32.7 | 8.3 | K |
| 9.5 | 51 8.3 | 38.2 | |
| 9.4 | 53 0.2 | 32.3 | |
| 8.9 | 5.5 | 45.2 | |
| 9.5 | 14.3 | 57.4 | |
| 8.9 | 37.9 | 3.5 | K |
| 9.1 | 47.6 | 2.8 | K |
| 9.0 | 55.9 | 37.8 | K |
| 6.3 | 54 22.8 | 38.0 | K |
| 8.9 | 55 1.8 | 21.4 | |
| 9.5 | 24.8 | 15.6 | |
| 8.6 | 26.1 | 36.3 | K |
| 9.5 | 56 19.8 | 52.8 | |
| 9.5 | 23.2 | 17.9 | |
| 9.5 | 45.9 | 22.7 | |
| 9.3 | 57 2.4 | 22.7 | |
| 8.2 | 58 19.5 | 59.0 | K |
| 9.2 | 31.3 | 39.9 | B |
| 8.8 | 47.9 | 23.7 | K |
| 9.2 | 59 28.2 | 51.1 | |
| 9.3 | 0 31.9 | 58.7 | B |
| 8.2 | 39.2 | 34.7 | R |
| 9.4 | 41.2 | 56.7 | |
| 9.5 | 58.9 | 14.4 | |
| 8.7 | 1 12.3 | 3.7 | K |
| 9.5 | 27.8 | 58.0 | |
| 9.5 | 37.5 | 56.8 | |
| 9.1 | 2 18.4 | 42.7 | b |
| 8.8 | 34.4 | 24.3 | |
| 9.3 | 48.4 | 40.3 | |
| 9.5 | 3 0.5 | 8.5 | |
| 8.4 | 37.9 | 25.8 | K |
| 9.4 | 4 9.0 | 26.2 | |
| 8.8 | 35.9 | 47.2 | K |
| 9.4 | 48.4 | 27.2 | |
| 7.5 | 5 8.9 | 4.8 | K |
| 9.2 | 32.0 | 25.8 | |
| | + | — | |
| 10pr. | 26.91 | 2.42 | |

2590 α

| | | | | |
|---|---|---|---|---|
| 9.5 | 25 | 3.8 | 15.3 | |

2679 α

| | | | | |
|---|---|---|---|---|
| 9.6 | 8 | 30.3 | 56.3 | B |

| 2801—2860 | | | | | 2861—2920 | | | | | 2921—2980 | | | | | 2981—3040 | | | | | 3041—3100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵘ | | +22° | | | 15ᵘ | | +22ᵇ | | | 15ᵘ—16ᵘ | | +22° | | | 16ᵘ | | +22° | | | 16ᵘ—17ᵘ | | +22° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 6.8 | 5 | 38.2 | 53.2 | K | 9.1 | 30 | 13.5 | 35.9 | *b* | 7.0 | 59 | 21.5 | 18.7 | K | 9.0 | 24 | 10.7 | 48.5 | | 9.0 | 53 | 49.1 | 6.2 | |
| 9.2 | | 49.2 | 38.4 | B | 9.3 | 31 | 15.3 | 20.3 | B | 9.5 | | 49.5 | 44.6 | | 9.5 | | 37.6 | 6.9 | | 9.0 | 54 | 0.6 | 47.0 | |
| 9.5 | 6 | 57.6 | 7.2 | | 8.2 | | 28.9 | 56.9 | L | 9.5 | 0 | 29.2 | 45.0 | | 6.5 | 25 | 2.3 | 30.8 | K | 9.0 | | 4.7 | 36.3 | |
| 9.3 | 8 | 15.7 | 50.6 | | 9.2 | | 47.0 | 16.7 | B*b* | 8.7 | | 34.5 | 5.3 | K | 9.5 | | 46.1 | 35.2 | | 9.3 | | 40.2 | 23.8 | |
| 9.5 | | 26.7 | 9.5 | | 9.5 | 32 | 20.7 | 13.2 | B | 8.8 | | 50.3 | 1.0 | K | 9.0 | | 51.7 | 53.8 | K | 5.8 | | 51.0 | 51.0 | K |
| 9.5 | | 44.2 | 28.2 | | 9.3 | | 24.1 | 20.1 | B | 6.5 | 1 | 5.5 | 13.1 | K | 9.4 | | 54.9 | 51.5 | B | 9.5 | | 57.5 | 10.2 | R |
| 9.5 | | 50.0 | 19.6 | | 9.0 | | 46.1 | 7.1 | | 9.4 | | 22.0 | 44.2 | | 9.5 | 26 | 56.6 | 16.6 | | 9.0 | 55 | 20.3 | 57.1 | B |
| 9.3 | 9 | 30.7 | 53.9 | | 9.5 | | 50.0 | 25.8 | | 8.5 | 2 | 23.0 | 35.5 | K | 9.5 | 27 | 18.8 | 4.6 | | 9.3 | | 20.3 | 40.8 | |
| 9.2 | 10 | 7.1 | 9.5 | *b* | 9.5 | 33 | 42.5 | 22.9 | B | 9.4 | | 30.1 | 51.3 | | 9.5 | | 18.8 | 50.9 | | 9.4 | | 40.1 | 4.5 | |
| 9.3 | | 53.5 | 2.3 | | 9.3 | 34 | 13.2 | 25.9 | | 9.4 | | 30.7 | 58.4 | B | 8.2 | 28 | 37.9 | 3.2 | K | 9.0 | | 43.5 | 35.4 | K |
| 7.0 | 11 | 3.9 | 49.6 | K | 9.2 | | 17.7 | 33.1 | B | 9.4 | | 54.4 | 6.5 | B | 8.8 | 29 | 36.3 | 25.9 | K | 9.0 | 56 | 23.6 | 3.1 | |
| 9.3 | | 30.4 | 58.1 | *a* | 9.5 | 35 | 1.9 | 31.7 | | 8.0 | 3 | 5.5 | 13.0 | B | 9.5 | | 57.4 | 47.1 | | 9.5 | | 29.7 | 58.0 | |
| 9.3 | | 32.6 | 42.3 | | 7.8 | | 8.9 | 47.5 | K | 9.4 | | 9.7 | 54.0 | | 9.4 | 30 | 12.9 | 27.6 | B | 9.5 | | 33.7 | 33.8 | |
| 9.1 | | 50.3 | 58.6 | K*b* | 9.4 | | 57.6 | 42.5 | B | 9.3 | | 46.0 | 42.5 | | 9.3 | | 15.0 | 5.5 | K*b* | 9.0 | | 58.8 | 39.7 | |
| 8.7 | 12 | 33.4 | 26.8 | K | 9.2 | 36 | 25.0 | 55.4 | | 9.4 | 5 | 1.9 | 54.5 | | 9.5 | | 31.0 | 16.6 | | 9.1 | | 59.1 | 8.4 | K |
| 9.5 | | 45.2 | 6.0 | | 9.5 | | 46.2 | 55.1 | | 9.5 | | 34.0 | 6.7 | | 9.1 | 31 | 20.8 | 16.9 | | 9.3 | 57 | 3.7 | 26.4 | |
| 9.4 | 13 | 12.3 | 38.9 | | 7.8 | | 51.4 | 9.9 | K | 9.5 | | 59.2 | 14.8 | | 8.7 | | 23.9 | 51.8 | K | 9.4 | | 6.4 | 56.9 | |
| 9.4 | | 39.9 | 56.5 | | 7.7 | 37 | 38.8 | 47.9 | K | 8.4 | 6 | 33.6 | 37.7 | K | 8.0 | | 27.9 | 43.5 | K | 9.3 | | 18.7 | 20.7 | |
| 9.0 | 14 | 6.2 | 37.2 | | 9.5 | 38 | 3.3 | 4.6 | | 9.5 | | 46.6 | 26.4 | | 7.7 | 33 | 6.8 | 30.7 | L | 9.3 | | 31.7 | 33.1 | |
| 8.7 | | 19.4 | 0.7 | K | 8.9 | 39 | 2.3 | 2.3 | | 9.2 | 7 | 5.3 | 23.0 | B | 7.2 | | 10.9 | 16.9 | L | 9.4 | | 36.7 | 12.4 | |
| 8.8 | | 49.2 | 26.2 | B | 9.3 | 41 | 15.4 | 56.6 | | 9.5 | | 33.9 | 27.9 | | 9.3 | | 29.6 | 49.1 | | 9.1 | | 44.5 | 10.6 | |
| 8.4 | 15 | 11.9 | 24.7 | K | 8.9 | | 53.4 | 7.7 | K | 9.1 | | 36.8 | 35.6 | K*b* | 7.8 | 34 | 46.0 | 12.9 | L | 9.0 | | 59.7 | 27.3 | |
| 9.5 | | 14.1 | 45.9 | B | 6.5 | 42 | 9.8 | 51.6 | K | 9.5 | 8 | 11.7 | 10.3 | | 9.1 | 35 | 5.3 | 31.2 | | 9.0 | 58 | 5.0 | 40.1 | |
| 8.3 | | 29.0 | 0.4 | K | 9.5 | | 35.5 | 1.2 | B | 9.2 | | 16.6 | 52.8 | | 7.5 | | 8.0 | 44.3 | L | 9.5 | | 11.2 | 56.9 | |
| 9.1 | | 33.9 | 36.8 | | 9.4 | 43 | 0.4 | 10.1 | | 9.5 | | 33.8 | 12.0 | | 9.5 | | 24.6 | 4.4 | | 9.5 | | 22.0 | 9.3 | |
| 9.0 | | 34.2 | 24.2 | K | 9.5 | | 13.7 | 3.0 | | 8.5 | | 38.0 | 43.6 | K | 9.2 | | 27.0 | 14.8 | B | 9.4 | | 23.6 | 48.8 | |
| 9.3 | 16 | 0.9 | 13.6 | | 9.3 | | 23.2 | 6.6 | | 9.5 | 9 | 32.2 | 24.1 | | 8.8 | | 53.8 | 8.4 | L | 9.4 | | 26.6 | 15.9 | B |
| 9.3 | | 25.9 | 22.0 | | 8.5 | 44 | 21.0 | 55.3 | S | 9.1 | | 35.3 | 20.8 | B*b* | 9.5 | 36 | 42.0 | 48.7 | | 8.8 | | 45.7 | 35.8 | K*b* |
| 9.2 | | 27.0 | 3.1 | | 8.0 | | 46.4 | 45.2 | K | 9.4 | 10 | 3.3 | 40.6 | B | 9.5 | 37 | 22.0 | 49.8 | | 9.3 | 59 | 10.5 | 33.9 | B |
| 9.5 | | 29.4 | 56.2 | | 9.3 | 45 | 22.3 | 49.1 | | 9.3 | | 11.4 | 21.3 | | 8.0 | | 51.3 | 39.0 | K | 9.5 | | 35.3 | 23.4 | |
| 9.3 | 17 | 14.5 | 28.3 | | 8.0 | | 58.9 | 9.5 | K | 9.0 | 11 | 2.8 | 33.6 | K | 9.5 | 38 | 13.0 | 42.1 | | 9.5 | | 55.7 | 5.7 | |
| 9.5 | | 23.0 | 16.4 | | 9.5 | 47 | 8.5 | 2.3 | | 9.5 | | 6.5 | 53.2 | | 9.5 | | 20.7 | 51.2 | | 9.5 | | 57.6 | 27.0 | |
| 8.7 | | 35.9 | 48.9 | K | 9.5 | | 23.8 | 8.6 | | 9.5 | | 22.9 | 53.6 | | 9.3 | 39 | 56.2 | 8.5 | | 6.0 | 0 | 10.2 | 17.4 | K*b* |
| 8.8 | 19 | 9.9 | 34.4 | K | 9.4 | | 26.9 | 50.0 | | 9.5 | 12 | 43.8 | 49.1 | | 9.4 | 40 | 36.4 | 0.1 | B | 9.3 | | 19.0 | 19.5 | |
| 9.5 | | 18.4 | 31.3 | | 9.5 | 48 | 1.0 | 48.3 | | 8.8 | | 56.7 | 8.7 | K*b* | 9.5 | | 42.2 | 36.6 | | 9.5 | | 31.1 | 36.8 | |
| 9.4 | 20 | 7.4 | 26.5 | | 9.1 | | 5.3 | 50.0 | B*b* | 9.5 | 13 | 51.3 | 35.3 | | 9.5 | 41 | 11.2 | 56.0 | | 9.2 | | 38.2 | 12.8 | K |
| 9.5 | | 20.9 | 7.9 | B | 9.3 | | 27.2 | 50.0 | B | 9.5 | 14 | 0.3 | 5.3 | | 9.5 | | 17.0 | 26.6 | | 8.5 | | 52.6 | 15.9 | K |
| 9.4 | | 56.5 | 13.0 | | 7.3 | | 36.8 | 35.1 | K | 7.0 | | 57.3 | 36.6 | K | 9.5 | | 20.0 | 20.4 | | 9.4 | | 56.3 | 54.7 | |
| 9.5 | 21 | 31.9 | 38.9 | | 8.9 | | 54.4 | 55.6 | K | 7.5 | 15 | 37.3 | 9.3 | K | 9.1 | | 51.3 | 26.6 | *b* | 9.5 | 1 | 0.6 | 56.0 | |
| 8.2 | | 51.2 | 59.3 | B | 8.9 | 49 | 27.5 | 9.6 | | 9.5 | | 41.5 | 43.3 | | 9.0 | | 56.4 | 15.6 | | 9.2 | | 22.7 | 14.8 | K |
| 8.0 | 22 | 24.5 | 56.9 | K | 9.5 | 50 | 9.7 | 59.6 | | 8.2 | | 45.4 | 53.3 | K | 9.4 | 42 | 1.9 | 2.0 | | 9.3 | | 41.6 | 46.3 | |
| 9.1 | | 28.9 | 25.8 | *b* | 9.2 | | 21.4 | 45.1 | | 9.1 | | 49.3 | 38.0 | K | 9.1 | 43 | 4.0 | 36.8 | | 9.0 | | 43.7 | 6.6 | K*b* |
| 9.3 | | 35.0 | 59.0 | | 8.8 | 51 | 22.4 | 50.4 | K | 8.3 | 16 | 22.9 | 6.2 | L | 9.4 | | 20.0 | 59.3 | | 9.5 | 2 | 2.1 | 50.5 | |
| 9.0 | | 49.7 | 44.0 | K | 8.7 | | 24.0 | 12.3 | B | 9.0 | | 31.3 | 41.2 | K | 9.4 | | 21.8 | 50.5 | | 9.0 | | 25.3 | 4.5 | K |
| 9.5 | | 56.4 | 18.5 | | 8.5 | 52 | 37.0 | 13.3 | K | 9.5 | | 47.6 | 22.8 | | 9.1 | 44 | 11.6 | 50.2 | K | 8.5 | 3 | 12.6 | 40.0 | K |
| 9.3 | 23 | 18.4 | 14.8 | | 8.5 | | 39.0 | 13.3 | K | 9.0 | 17 | 25.2 | 23.1 | K | 9.5 | | 25.1 | 12.4 | | 7.3 | | 19.5 | 16.8 | K |
| 9.1 | | 26.4 | 42.0 | | 8.2 | 53 | 2.1 | 53.5 | K | 9.1 | | 52.6 | 53.0 | | 9.5 | 45 | 35.4 | 7.1 | | 9.5 | | 20.1 | 48.3 | |
| 9.5 | 24 | 5.6 | 54.1 | | 7.5 | | 39.7 | 3.0 | K | 8.9 | | 56.7 | 42.1 | | 9.4 | | 58.9 | 34.9 | B | 9.3 | | 34.7 | 2.1 | |
| 9.4 | | 10.6 | 49.3 | B | 9.0 | 54 | 12.4 | 16.5 | K*b* | 7.7 | 18 | 32.3 | 43.9 | K | 8.8 | 46 | 29.0 | 25.2 | | 9.4 | | 37.5 | 9.4 | |
| 9.4 | 25 | 2.4 | 45.5 | | 9.3 | | 47.5 | 0.9 | | 9.5 | 19 | 16.9 | 59.7 | | 9.2 | | 42.1 | 6.0 | *b* | 9.4 | | 40.3 | 57.4 | |
| 9.2 | | 23.9 | 5.3 | *b* | 9.4 | 55 | 17.6 | 47.3 | | 9.5 | | 57.5 | 6.2 | | 8.8 | 47 | 1.9 | 26.6 | | 9.5 | | 48.3 | 20.4 | B |
| 9.5 | | 58.0 | 6.8 | | 9.5 | 56 | 1.5 | 26.6 | | 9.1 | 20 | 12.1 | 9.1 | B*b* | 8.3 | | 9.1 | 54.2 | K | 8.2 | 4 | 2.2 | 35.9 | K |
| 9.5 | 26 | 7.8 | 16.0 | | 9.3 | | 10.9 | 17.2 | | 9.5 | | 18.2 | 57.2 | | 8.3 | | 9.4 | 58.5 | K | 9.4 | | 49.4 | 57.6 | |
| 9.4 | 28 | 27.3 | 10.0 | | 6.8 | | 30.0 | 37.9 | L | 9.4 | 21 | 1.9 | 9.4 | | 9.0 | | 56.3 | 37.0 | | 9.5 | 5 | 9.2 | 1.9 | |
| 9.3 | | 31.9 | 5.4 | B | 8.3 | | 46.0 | 16.6 | K | 9.4 | 22 | 13.5 | 20.7 | | 7.8 | 50 | 11.2 | 20.7 | K | 9.5 | | 23.2 | 6.7 | *a* |
| 9.5 | | 51.7 | 43.7 | | 8.5 | 57 | 4.5 | 21.4 | K*b* | 9.2 | | 15.9 | 28.3 | B*b* | 8.7 | 51 | 5.3 | 59.7 | K*b* | 8.9 | | 26.9 | 54.8 | K*b* |
| 8.0 | 29 | 0.8 | 58.8 | K | 8.0 | | 19.9 | 58.4 | K | 9.5 | | 16.1 | 54.9 | | 8.5 | | 31.4 | 1.4 | | 9.4 | | 58.5 | 51.4 | |
| 9.5 | | 10.7 | 44.2 | | 9.5 | 58 | 22.0 | 33.2 | | 9 3 | | 29.0 | 17.7 | | 9.5 | 52 | 45.4 | 0.9 | | 9.5 | 6 | 6.8 | 52 5 | |
| 8.8 | | 18.3 | 4.9 | K | 9.0 | | 23.5 | 13.6 | | 9.1 | | 45.5 | 46.7 | B | 9.4 | 53 | 26.5 | 38.6 | B | 9.5 | | 15.2 | 12.4 | |
| 9.5 | | 46.4 | 47.9 | | 8.2 | | 59.0 | 34.9 | K*b* | 9.5 | 23 | 13.8 | 43.9 | | 9.5 | | 31.0 | 39.9 | | 9.0 | | 18.1 | 30.6 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 26.53 | 2.18 | | 10pr. | | 26.11 | 1.85 | | 10pr. | | 25.80 | 1.53 | | 10pr. | | 25.54 | 1.17 | | 10pr. | | 25.37 | 0.87 | |

### 3101—3160

| | 17ᵘ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 6 40.4 | 8.4 | B |
| 9.5 | 50.7 | 57.6 | |
| 7.3 | 7 23.0 | 55.5 | L |
| 8.7 | 31.5 | 10.4 | |
| 8.8 | 57.0 | 44.5 | B |
| 9.5 | 8 48.5 | 29.6 | |
| 9.3 | 9 14.5 | 34.2 | |
| 9.5 | 57.7 | 7.1 | |
| 8.6 | 10 13.4 | 57.3 | K |
| 8.8 | 46.5 | 7 3 | K |
| 9.1 | 55.8 | 29.4 | b |
| 9.5 | 11 3.2 | 26.0 | |
| 9.5 | 6.0 | 7.6 | |
| 9.5 | 6.6 | 36.7 | |
| 9.5 | 38.8 | 23.8 | |
| 9.3 | 42.5 | 53.8 | |
| 9.4 | 58.5 | 0.2 | |
| 9.5 | 12 50.4 | 38.7 | |
| 9.5 | 13 21.6 | 51.1 | |
| 8.0 | 27.8 | 6.2 | K |
| 9.4 | 30.9 | 35.2 | B |
| 9.5 | 45.3 | 54.1 | |
| 9.1 | 49.9 | 59.4 | K |
| 9.5 | 14 16.3 | 15.1 | |
| 9.5 | 29.8 | 13.4 | |
| 9.1 | 54.5 | 57.0 | |
| 9.3 | 15 58.8 | 6.8 | |
| 9.3 | 16 20.7 | 55.3 | B |
| 9.3 | 36.8 | 30.4 | |
| 8.8 | 48.2 | 17.5 | K |
| 9.0 | 17 3.6 | 12.7 | B |
| 9.4 | 20.0 | 17.7 | |
| 8.1 | 40.7 | 3.3 | K |
| 9.3 | 18 11.6 | 32.9 | B |
| 8.6 | 19 8.5 | 17.3 | |
| 8.2 | 13.8 | 33.9 | K |
| 9.5 | 35.3 | 0.5 | |
| 8.5 | 44.9 | 38.7 | K |
| 9.0 | 20 13.9 | 14.4 | K |
| 9.5 | 24.5 | 28.0 | |
| 8.7 | 25.8 | 33.5 | L |
| 9.5 | 39.2 | 6.6 | |
| 9.5 | 50.1 | 37.6 | |
| 9.2 | 52.1 | 48.6 | R |
| 9.0 | 54.1 | 43.6 | B |
| 9.5 | 21 33.9 | 4.6 | |
| 8.8 | 46.1 | 54.9 | L |
| 9.1 | 22 20.8 | 17.0 | |
| 8.9 | 45.4 | 1.7 | |
| 8.0 | 23 6.3 | 14.9 | K |
| 9.5 | 12.8 | 40.5 | |
| 9.5 | 14.4 | 1.2 | |
| 9.5 | 20.5 | 49.3 | |
| 9.5 | 22.3 | 0.2 | |
| 9.0 | 32.7 | 5.4 | L |
| 8.6 | 37.5 | 25.2 | K |
| 7.7 | 24 10.7 | 8.9 | Lb |
| 7.6 | 22.8 | 59.6 | K |
| 8.9 | 33.3 | 31.1 | K |
| 9.4 | 42.3 | 58.1 | B |
| | + | — | |
| 10pr. | 25.28 | 0.62 | |

### 3161—3220

| | 17ᵘ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 24 51.0 | 38.1 | |
| 8.3 | 25 41.5 | 52.2 | K |
| 9.1 | 26 0.8 | 3.8 | b |
| 9.5 | 27 2.5 | 26.3 | |
| 8.5 | 23.9 | 18.9 | K |
| 9.3 | 29 1.5 | 8.0 | K |
| 9.5 | 1.8 | 13.3 | |
| 9.0 | 30 23.5 | 32.5 | |
| 9.5 | 23.8 | 4.2 | |
| 9.4 | 36.5 | 58.0 | |
| 9.3 | 31 7.5 | 10.2 | B |
| 8.3 | 20.5 | 27.0 | K |
| 9.3 | 32 7.3 | 5.7 | |
| 8.8 | 26.8 | 41.4 | K |
| 9.5 | 27.6 | 24.0 | B |
| 8.5 | 42.2 | 31.4 | K |
| 8.1 | 45.5 | 21.6 | B |
| 9.5 | 53.6 | 57.3 | |
| 9.2 | 33 29.8 | 19.0 | K |
| 9.2 | 39.6 | 58.7 | K |
| 9.5 | 44.2 | 51.1 | |
| 9.0 | 45.0 | 32.3 | K |
| 9.5 | 34 0.0 | 31.7 | |
| 9.5 | 25.8 | 57.4 | |
| 9.5 | 48.4 | 7.7 | |
| 8.3 | 52.5 | 18.5 | K |
| 9.3 | 53.5 | 0.2 | Kb |
| 9.4 | 56.8 | 14.2 | |
| 9.0 | 35 10.6 | 26.8 | K |
| 8.6 | 28.5 | 30.0 | K |
| 9.2 | 36 9.3 | 46.9 | K |
| 9.5 | 12.3 | 26.0 | |
| 9.4 | 15.2 | 29.8 | B |
| 9.0 | 15.2 | 42.7 | K |
| 9.5 | 30.7 | 50.6 | |
| 9.5 | 38.2 | 23.7 | |
| 8.9 | 37 12.7 | 51.9 | K |
| 9.4 | 15.5 | 19.4 | |
| 8.1 | 32.4 | 41.2 | K |
| 9.3 | 40.6 | 22.1 | B |
| 9.5 | 38 23.8 | 40.2 | |
| 9.1 | 41.1 | 44.0 | |
| 9.5 | 39 13.4 | 50.2 | |
| 9.5 | 16.4 | 45.1 | |
| 8.2 | 21.1 | 23.4 | Lb |
| 9.3 | 42.3 | 12.8 | B |
| 8.2 | 53.2 | 15.5 | L |
| 8.4 | 55.1 | 30.2 | B |
| 9.1 | 40 10.4 | 15.7 | |
| 9.2 | 41 8.1 | 6.5 | |
| 9.0 | 13.8 | 41.9 | |
| 8.7 | 19.4 | 49.5 | K |
| 9.5 | 35.9 | 57.8 | |
| 9.5 | 52.0 | 38.7 | B |
| 9.4 | 54.5 | 43.5 | B |
| 9.5 | 42 23.1 | 21.9 | |
| 9.5 | 43 5.8 | 41.3 | |
| 9.4 | 23.9 | 22.6 | B |
| 9.1 | 32.3 | 28.4 | |
| 9.3 | 36.5 | 25.1 | B |
| | + | — | |
| 10pr. | 25.21 | 0.35 | |

### 3221—3280

| | 17ᵘ—18ᵘ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 43 41.8 | 11.7 | B |
| 8.3 | 50.5 | 14.9 | K |
| 9.5 | 53.5 | 7.7 | |
| 8.8 | 55.3 | 50.5 | K |
| 9.4 | 44 25.3 | 59.7 | B |
| 8.0 | 35.9 | 12.6 | K |
| 6.5 | 42.1 | 21.3 | K |
| 9.1 | 43.4 | 46.4 | |
| 9.5 | 45.1 | 25.8 | |
| 8.6 | 45 34.5 | 48.0 | K |
| 9.5 | 46.8 | 22.0 | |
| 9.1 | 47 22.4 | 11.4 | b |
| 8.8 | 31.2 | 58.7 | K |
| 9.5 | 50.8 | 10.0 | |
| 9.5 | 58.7 | 59.7 | |
| 9.1 | 49 32.5 | 51.6 | b |
| 5.0 | 44.8 | 28.6 | K |
| 9.5 | 52.5 | 20.3 | |
| 9.5 | 50 3.1 | 56.3 | |
| 8.5 | 51 8.8 | 46.7 | B |
| 9.1 | 22.1 | 35.0 | |
| 9.5 | 31.2 | 37.5 | |
| 9.5 | 48.8 | 41.6 | |
| 8.8 | 52 9.7 | 45.8 | |
| 9.0 | 31.3 | 9.0 | K |
| 9.3 | 59.1 | 23.3 | B |
| 9.1 | 53 5.5 | 11.4 | |
| 9.5 | 9.4 | 49.5 | |
| 9.3 | 13.6 | 46.6 | B |
| 8.4 | 31.8 | 5.1 | K |
| 9.5 | 33.9 | 10.3 | |
| 9.0 | 40.4 | 48.5 | |
| 9.3 | 40.2 | 29.5 | |
| 9.0 | 54 6.8 | 18.5 | |
| 9.2 | 9.5 | 22.4 | a |
| 7.5 | 55 21.4 | 46.4 | L |
| 8.8 | 40.1 | 17.5 | |
| 8.0 | 53.8 | 14.0 | B |
| 7.2 | 54.6 | 27.5 | B |
| 6.7 | 56 25.8 | 55.8 | L |
| 9.5 | 54.2 | 3.5 | |
| 9.5 | 57 19.8 | 49.3 | |
| 9.4 | 25.6 | 32.3 | |
| 9.3 | 26.3 | 27.8 | |
| 9.5 | 47.1 | 6.2 | |
| 9.3 | 55.8 | 40.5 | B |
| 7.3 | 58 58.1 | 54.5 | Bb |
| 9.5 | 59 5.4 | 24.0 | |
| 9.5 | 7.4 | 29.6 | |
| 9.2 | 12.6 | 4.1 | |
| 9.3 | 30.2 | 28.3 | B |
| var | 47.8 | 3.8 | |
| 5.2 | 54.8 | 12.3 | R |
| 9.2 | 56.9 | 4.7 | |
| 9.3 | 0 0.0 | 43.7 | |
| 9.2 | 25.0 | 41.0 | |
| 9.5 | 30.6 | 48.6 | |
| 9.2 | 32.3 | 54.4 | |
| 9.5 | 37.0 | 13.2 | |
| 8.3 | 55.9 | 24.6 | K |
| | + | — | |
| 10pr. | 25.18 | 0.10 | |

### 3281—3340

| | 18ᵘ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 1 18.1 | 50.3 | K |
| 8.0 | 49.9 | 23.2 | K |
| 9.0 | 53.5 | 17.0 | K |
| 9.5 | 54.2 | 48.7 | B |
| 9.5 | 2 50.1 | 7.3 | |
| 9.0 | 3 4.9 | 55.4 | K |
| 9.5 | 7.5 | 34.5 | |
| 9.2 | 17.0 | 26.1 | B |
| 9.4 | 24.7 | 25.4 | |
| 8.4 | 32.7 | 57.9 | K |
| 9.2 | 35.8 | 0.2 | K |
| 9.2 | 45.7 | 21.5 | |
| 9.3 | 4 20.5 | 40.8 | |
| 9.5 | 31.1 | 31.1 | |
| 8.3 | 40.2 | 52.4 | |
| 9.5 | 5 11.6 | 8.6 | |
| 9.5 | 21.1 | 17.3 | |
| 9.4 | 22.9 | 39.5 | B |
| 9.2 | 27.1 | 14.6 | |
| 8.7 | 38.8 | 34.3 | L |
| 9.5 | 41.7 | 46.3 | |
| 9.4 | 6 36.5 | 40.8 | |
| 7.5 | 47.2 | 47.7 | K |
| 9.0 | 50.2 | 31.2 | K |
| 9.0 | 52.2 | 29.8 | K |
| 9.2 | 54.3 | 3.3 | B |
| 9.5 | 7 15.2 | 59.2 | |
| 9.5 | 19.3 | 23.6 | |
| 9.3 | 19.5 | 34.2 | |
| 9.3 | 20.4 | 2.3 | |
| 9.5 | 25.6 | 45.7 | B |
| 9.1 | 8 13.8 | 33.2 | |
| 9.3 | 15.2 | 56.0 | |
| 9.3 | 15.7 | 47.0 | |
| 9.4 | 34.8 | 44.9 | |
| 8.6 | 43.7 | 17.5 | R |
| 9.3 | 9 11.8 | 44.3 | |
| 9.1 | 12.8 | 16.0 | |
| 8.0 | 31.5 | 0.3 | K |
| 9.5 | 39.9 | 15.3 | |
| 8.0 | 44.5 | 38.0 | K |
| 9.4 | 47.0 | 51.3 | B |
| 9.5 | 10 9.3 | 8.1 | |
| 9.5 | 11.8 | 57.8 | |
| 8.8 | 23.1 | 46.2 | K |
| 9.0 | 23.4 | 47.0 | K |
| 9.2 | 40.6 | 45.8 | B |
| 9.0 | 11 26.1 | 38.0 | |
| 9.3 | 27.9 | 0.3 | |
| 9.5 | 35.5 | 25.0 | |
| 9.5 | 37.8 | 6.5 | |
| 9.5 | 52.9 | 20.8 | |
| 9.2 | 12 58.3 | 55.1 | B |
| 8.7 | 13 33.4 | 54.2 | K |
| 9.3 | 34.3 | 9.2 | |
| 9.3 | 59.8 | 23.2 | |
| 7.2 | 14 34.0 | 43.6 | K |
| 9.1 | 35.0 | 58.7 | K |
| 9.4 | 36.4 | 24.3 | B |
| 9.5 | 15 40.9 | 37.6 | |
| | + | + | |
| 10pr. | 25.18 | 0.11 | |

### 3341—3400

| | 18ᵘ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 16 21.5 | 40.6 | |
| 8.5 | 22.5 | 52.2 | |
| 9.4 | 40.8 | 17.2 | |
| 9.5 | 43.7 | 38.2 | |
| 9.5 | 47.7 | 4.3 | |
| 9.5 | 17 24.0 | 50.2 | |
| 9.5 | 31.4 | 14.9 | |
| 9.5 | 41.0 | 51.2 | |
| 9.5 | 44.8 | 19.1 | |
| 9.5 | 53.6 | 30.0 | |
| 9.3 | 18 19.5 | 40.6 | |
| 9.2 | 25.4 | 58.6 | |
| 8.8 | 38.4 | 3.1 | K |
| 9.5 | 38.7 | 8.0 | |
| 9.2 | 40.9 | 15.2 | b |
| 9.3 | 43.0 | 49.8 | |
| 8.7 | 19 20.0 | 51.0 | K |
| 7.5 | 22.9 | 37.7 | L |
| 9.5 | 26.7 | 15.7 | |
| 9.5 | 26.8 | 2.3 | |
| 9.5 | 28.8 | 25.8 | |
| 9.4 | 39.4 | 25.3 | |
| 9.5 | 20 22.0 | 31.4 | |
| 9.3 | 27.6 | 57.7 | |
| 9.5 | 33.8 | 31.6 | B |
| 9.5 | 21 8.1 | 58.1 | |
| 9.3 | 9.1 | 55.1 | |
| 8.7 | 20.9 | 35.7 | |
| 9.3 | 22.3 | 9.2 | |
| 9.5 | 39.0 | 0.2 | |
| 9.2 | 39.8 | 18.4 | b |
| 9.5 | 42.9 | 33.3 | |
| 9.0 | 51.3 | 33.1 | B |
| 9.5 | 54.8 | 2.9 | |
| 9.2 | 22 3.7 | 8.8 | |
| 9.4 | 6.0 | 54.2 | |
| 9.2 | 10.9 | 34.0 | |
| 9.3 | 21.0 | 49.2 | |
| 9.3 | 28.1 | 13.6 | B |
| 9.4 | 32.9 | 40.3 | |
| 9.3 | 45.4 | 25.8 | |
| 9.4 | 55.1 | 55.4 | |
| 8.7 | 55.2 | 59.9 | K |
| 9.5 | 23 4.8 | 44.3 | |
| 8.8 | 49.9 | 40.3 | |
| 9.5 | 24 38.4 | 28.1 | |
| 9.1 | 41.1 | 59.1 | |
| 9.5 | 47.0 | 51.2 | |
| 9.4 | 51.4 | 15.5 | |
| 8.9 | 54.2 | 42.0 | B |
| 9.5 | 57.9 | 3.7 | |
| 9.1 | 25 3.0 | 48.0 | |
| 9.2 | 17.1 | 56.9 | |
| 8.2 | 23.0 | 52.9 | Lb |
| 9.4 | 26.8 | 20.8 | |
| 9.4 | 29.7 | 42.8 | |
| 9.1 | 47.8 | 26.5 | |
| 8.7 | 50.6 | 18.6 | B |
| 9.3 | 54.8 | 23.3 | |
| 9.5 | 59.5 | 11.0 | |
| | + | + | |
| 10pr. | 25.20 | 0.31 | |

| 3401—3460 | | | | | 3461—3520 | | | | | 3521—3580 | | | | | 3581—3640 | | | | | 3641—3700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵘ | | +22° | | | 18ᵘ | | +22° | | | 18ᵘ | | +22° | | | 18ᵘ—19ᵘ | | +22° | | | 19ᵘ | | +22° | |
| m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | |
| 9.4 | 26 | 6.3 | 16.3 | B | 8.2 | 37 | 16.0 | 42.5 | K | 9.5 | 47 | 59.9 | 7.5 | B | 8.8 | 59 | 16.7 | 33.6 | | 9.2 | 10 | 37.0 | 22.2 | |
| 8.7 | | 11.3 | 35.4 | K | 8.5 | | 18.3 | 27.4 | K | 9.5 | 48 | 6.0 | 2.0 | | 9.5 | | 34.0 | 43.0 | | 9.5 | | 37.9 | 13.6 | |
| 9.5 | | 12.1 | 53.2 | | 7.9 | | 19.7 | 57.5 | K | 9.1 | | 28.3 | 38.9 | K | 9.5 | | 34.4 | 28.2 | | 9.5 | | 59.0 | 20.2 | |
| 9.5 | | 15.5 | 15.3 | | 9.0 | | 23.8 | 1.3 | | 5.0 | | 37.8 | 27.8 | Kb | 9.5 | | 41.6 | 53.0 | | 8.0 | 11 | 1.4 | 10.1 | L |
| 9.3 | | 27.4 | 37.8 | K | 9.5 | | 24.1 | 36.3 | B | 8.6 | | 41.1 | 58.7 | | 9.5 | | 59.2 | 40.3 | | 9.5 | | 8.3 | 47.9 | |
| 9.1 | 27 | 12.7 | 13.3 | K | 9.5 | | 27.0 | 29.5 | | 8.8 | 49 | 13.0 | 43.9 | K | 8.5 | 0 | 16.9 | 30.4 | K | 9.5 | | 29.4 | 55.3 | |
| 9.5 | | 17.0 | 54.1 | | 9.5 | | 34.2 | 57.8 | | 9.5 | | 31.0 | 58.7 | | 9.5 | | 16.9 | 45.4 | B | 7.5 | | 29.9 | 10.8 | K |
| 9.2 | | 25.6 | 2.8 | | 9.5 | | 41.5 | 57.2 | | 9.2 | | 32.7 | 9.2 | | 9.4 | | 18.4 | 47.4 | | 6.1 | | 35.3 | 45.8 | K |
| 9.5 | | 29.0 | 45.5 | | 9.5 | 38 | 4.3 | 22.2 | B | 8.6 | | 41.2 | 29.9 | B | 9.4 | | 25.2 | 2.2 | | 9.2 | 12 | 1.6 | 15.5 | B |
| 9.5 | | 35.8 | 0.2 | | 9.1 | | 10.9 | 15.3 | K | 9.5 | | 54.4 | 23.5 | | 7.8 | | 26.9 | 39.9 | K | 9.5 | | 4.9 | 17.0 | |
| 9.5 | 28 | 14.9 | 38.1 | | 9.3 | | 20.7 | 53.1 | B | 9.3 | | 58.1 | 53.6 | K | 9.2 | | 28.0 | 52.5 | R | 9.5 | | 12.2 | 5.1 | |
| 9.5 | | 23.0 | 44.5 | | 7.5 | | 49.8 | 24.5 | K | 7.9 | 50 | 12.0 | 52.9 | K | 8.2 | | 42.7 | 10.3 | K | 9.4 | | 24.9 | 9.7 | |
| 9.5 | | 30.8 | 0.6 | | 9.4 | 39 | 19.9 | 37.2 | B | 9.3 | | 16.8 | 24.5 | | 9.1 | | 50.0 | 52.8 | R | 9.2 | | 26.5 | 14.5 | B |
| 9.5 | | 34.7 | 9.7 | | 9.5 | | 20.9 | 38.8 | | 8.8 | | 21.7 | 18.4 | | 7.0 | | 59.8 | 21.3 | K | 9.5 | | 33.5 | 6.3 | |
| 9.3 | | 54.8 | 27.7 | | 9.5 | | 41.7 | 53.3 | | 7.7 | | 55.9 | 37.1 | Kb | 9.5 | 1 | 38.0 | 50.3 | | 9.3 | | 35.1 | 28.6 | |
| 8.5 | 29 | 4.7 | 11.4 | | 9.1 | | 45.7 | 9.5 | K | 9.4 | 51 | 26.7 | 15.9 | | 9.3 | 2 | 11.7 | 0.2 | | 9.5 | | 39.4 | 8.7 | |
| 9.5 | | 47.6 | 38.5 | B | 9.0 | | 50.1 | 50.5 | K | 9.2 | | 35.7 | 12.2 | | 9.5 | | 18.8 | 17.4 | | 9.5 | | 56.3 | 4.5 | |
| 7.5 | | 50.2 | 38 3 | B | 9.4 | | 55.5 | 50.3 | *a* | 9.5 | | 47.5 | 15.9 | | 9.5 | | 37.2 | 4.5 | | 8.9 | 13 | 11.7 | 25.9 | |
| 9.1 | 30 | 10.0 | 52.9 | *b* | 9.5 | 40 | 6.7 | 13.0 | | 9.3 | | 52.8 | 18.9 | | 9.4 | | 41.8 | 21.8 | | 9.3 | | 20.3 | 45.9 | |
| 9.1 | | 18.7 | 9.7 | | 9.5 | | 11.3 | 7.7 | | 9.0 | 52 | 29.2 | 10.9 | | 9.5 | | 42.4 | 40.3 | | 7.7 | | 22.0 | 18.2 | K |
| 9.0 | | 44.9 | 31.7 | K | 9.5 | | 22.8 | 1.3 | | 9.4 | | 33.0 | 40.3 | | 9.5 | | 53.3 | 12.6 | B | 9.1 | 14 | 0.0 | 20.5 | K |
| 9.3 | | 45.8 | 27.5 | | 9.5 | | 35.0 | 53.8 | | 9.2 | | 33.2 | 26.0 | | 9.4 | 3 | 5.4 | 37.5 | | 8.9 | | 4.2 | 32.0 | |
| 9.4 | | 47.1 | 59.1 | | 9.5 | | 44.7 | 6.8 | | 8.5 | | 47.9 | 16.4 | B | 9.5 | | 13.1 | 36.2 | | 9.2 | | 16.5 | 1.4 | |
| 9.5 | | 53.2 | 4.9 | | 9.5 | | 49.7 | 14.2 | | 9.5 | | 51.0 | 51.0 | | 8.8 | | 13.2 | 45.2 | K | 9.5 | | 27.5 | 8.9 | |
| 9.3 | 31 | 14.7 | 16.1 | | 9.5 | 41 | 11.0 | 36.4 | | 8.6 | | 55.9 | 18.3 | | 9.5 | | 15.5 | 38.7 | B | 9.1 | | 33.3 | 40.6 | B |
| 9.5 | | 25.9 | 38.8 | | 9.1 | | 14.9 | 32.0 | *b* | 9.0 | | 59.2 | 14.8 | | 9.5 | | 16.4 | 39.5 | | 9.5 | | 40.5 | 22.7 | |
| 9.5 | | 30.1 | 55.1 | | 8.5 | | 15.6 | 55.7 | K | 9.2 | 53 | 7.4 | 42.8 | | 9.5 | | 17.0 | 55.6 | | 9.3 | | 44.5 | 47.6 | *a* |
| 9.5 | | 38.0 | 52.6 | | 9.5 | 42 | 19.9 | 36.2 | | 9.5 | | 22.6 | 4.0 | | 9.5 | | 22.1 | 36.7 | | 9.2 | | 46.2 | 48.0 | *a* |
| 9.0 | | 39.7 | 9.6 | | 9.5 | | 27.4 | 58.7 | | 6.5 | | 50.9 | 36.9 | K | 9.5 | | 35.6 | 48.2 | | 9.0 | | 51.6 | 47.8 | *B* |
| 9.5 | | 48.2 | 1.6 | | 9.1 | | 30.3 | 57.7 | | 9.5 | 54 | 9.0 | 53.7 | | 9.5 | | 52.0 | 48.6 | | 9.3 | 15 | 9.0 | 22.1 | |
| 9.5 | | 48.9 | 17.5 | B | 9.1 | | 47.7 | 1.8 | K | 9.2 | | 10.2 | 5.3 | | 9.5 | | 58.8 | 28.1 | | 9.3 | | 10.0 | 15.4 | |
| 8.5 | | 51.2 | 15.2 | K | 9.2 | | 49.7 | 14.4 | | 9.2 | | 23.2 | 4.3 | | 9.5 | 4 | 2.5 | 1.2 | | 9.5 | | 24.1 | 29.5 | |
| 9.5 | 32 | 1.9 | 35.6 | | 9.3 | 43 | 22.6 | 6.4 | | 9.5 | | 35.8 | 25.7 | | 8.2 | | 23.8 | 29.1 | Kb | 9.5 | | 34.0 | 16.7 | |
| 8.4 | | 10.8 | 24.8 | K | 8.2 | | 29.0 | 47.5 | K | 9.5 | | 40.3 | 34.6 | | 9.5 | | 31.9 | 56.0 | | 7.7 | | 46.9 | 13.7 | R |
| 9.0 | | 26.1 | 59.4 | | 9.5 | | 30.5 | 41.4 | B | 8.9 | 55 | 0.0 | 53.4 | K | 9.0 | 5 | 7.6 | 40.4 | L | 8.2 | 16 | 2.9 | 15.5 | L |
| 9.2 | | 34.6 | 35.2 | | 9.5 | | 37.5 | 41.4 | *B* | 9.4 | | 18.2 | 0.4 | | 9.5 | | 8.5 | 12.7 | | 9.1 | | 8.2 | 0.2 | *a* |
| 8.9 | | 47.7 | 14.9 | K | 8.9 | | 47.9 | 32.9 | K | 9.5 | | 31.1 | 59.9 | | 7.5 | | 19.3 | 8.6 | L | 9.0 | | 10.3 | 40.9 | K |
| 9.5 | 33 | 52.2 | 15.4 | | 9.4 | | 55.0 | 45.0 | | 9.3 | | 35.7 | 1.8 | B | 9.5 | | 30.9 | 24.1 | | 9.2 | | 17.3 | 43.1 | *a* |
| 9.5 | | 57.1 | 50.4 | | 9.4 | 44 | 14.3 | 7.0 | | 9.5 | | 36.7 | 22.6 | | 9.0 | | 49.6 | 9.5 | B | 9.4 | | 26.4 | 49.3 | |
| 9.3 | 34 | 9.0 | 51.0 | *B* | 9.5 | | 16.8 | 18.3 | | 8.5 | | 37.9 | 40.9 | K | 9.5 | 6 | 1.0 | 15.8 | B | 9.1 | | 57.5 | 57.0 | *b* |
| 9.4 | 11 | 17.5 | 46.2 | | 9.5 | | 25.3 | 45.0 | | 6.5 | | 40.4 | 3.5 | L | 9.5 | | 1.3 | 47.1 | | 9.0 | 17 | 3.5 | 5.2 | |
| 9.5 | | 29.7 | 51.8 | | 9.2 | | 35.9 | 40.8 | | 9.1 | | 53.9 | 38.2 | K | 9.4 | | 33.0 | 7.3 | | 9.5 | | 18.0 | 17.5 | |
| 9.5 | | 35.0 | 41.8 | | 9.4 | | 39.0 | 2.3 | | 8.6 | | 54.5 | 52.8 | Kb | 9.5 | | 53.6 | 24.8 | B | 8.3 | | 33.1 | 17.0 | R |
| 9.5 | | 56.0 | 50.0 | | 9.4 | | 39.7 | 11.7 | | 9.0 | 56 | 0.0 | 36.0 | K | 9.5 | 7 | 0.2 | 26.3 | | 8.5 | 18 | 11.3 | 40.9 | |
| 9.5 | 35 | 5.9 | 31.0 | | 8.7 | | 50.3 | 55.0 | B | 9.5 | | 0.1 | 1.3 | | 9.3 | | 0.9 | 11.3 | | 9.5 | | 18.3 | 45.4 | |
| 9.2 | | 6.4 | 38.2 | | 9.0 | | 58.5 | 42.6 | | 9.4 | | 3.1 | 37.1 | B | 8.9 | | 1.2 | 37.5 | R | 8.7 | | 34.1 | 27.1 | |
| 9.3 | | 26.9 | 33.8 | | 9.5 | 45 | 8.5 | 58.5 | | 9.5 | | 30.5 | 16.0 | | 9.5 | | 11.7 | 32.1 | | 8.6 | | 36.1 | 29.6 | |
| 9.0 | | 32.8 | 26.5 | | 9.5 | | 14.3 | 48.0 | | 9.5 | | 33.4 | 33.9 | | 8.4 | | 31.5 | 57.8 | | 9.5 | | 54.7 | 39.4 | |
| 9.1 | | 44.0 | 52.4 | K | 9.2 | | 15.7 | 35.9 | | 9.5 | | 51.6 | 16.5 | B | 9.4 | | 44.2 | 37.5 | | 9.5 | 19 | 10.1 | 27.6 | |
| 9.5 | | 51.8 | 24.7 | | 9.2 | | 55.0 | 43.1 | | 9.5 | 57 | 4.5 | 21.4 | | 9.3 | | 55.3 | 40.7 | | 9.4 | | 12.5 | 4.2 | |
| 9.2 | | 52.6 | 59.9 | K | 8.7 | 46 | 1.3 | 52.4 | K | 9.5 | | 6.6 | 50.6 | | 9.4 | | 55.9 | 8.6 | | 9.4 | | 12.9 | 11.0 | |
| 9.5 | 36 | 23.1 | 12.2 | | 9.5 | | 23.8 | 17.8 | | 9.5 | | 37.5 | 44.4 | | 8.5 | 8 | 6.4 | 53.3 | K | 9.2 | | 29.1 | 7.5 | |
| 9.3 | | 31.8 | 1.0 | | 9.5 | | 37.4 | 18.5 | | 9.1 | | 46.8 | 6.1 | *b* | 9.0 | | 25.2 | 0.0 | | 8.3 | 20 | 1.1 | 28.1 | |
| 9.2 | | 32.7 | 13.0 | Kb | 9.3 | | 43.8 | 30.1 | | 9.5 | | 47.0 | 40.4 | B | 8.5 | | 40.0 | 3.0 | | 9.2 | | 7.4 | 14.0 | |
| 9.3 | | 39.9 | 36.5 | | 9.3 | | 52.5 | 29.6 | | 8.1 | 58 | 18.5 | 27.4 | B | 9.2 | | 41.6 | 28.3 | | 8.9 | | 8.5 | 59.4 | |
| 9.1 | | 47.1 | 59.2 | K | 9.4 | | 59.7 | 54.3 | | 9.2 | | 32.8 | 37.2 | | 9.5 | | 50.6 | 25.6 | | 8.9 | | 11.5 | 3.9 | K |
| 7.7 | | 53.0 | 41.9 | K | 9.4 | 47 | 1.1 | 58.5 | | 9.2 | | 40.2 | 22.6 | B | 9.5 | 9 | 26.2 | 9.1 | B | 9.3 | | 24.1 | 28.0 | |
| 8.9 | | 55.8 | 2.9 | | 9.3 | | 7.0 | 45.9 | | 9.5 | | 57.9 | 56.6 | | 8.3 | | 33.3 | 41.2 | | 9.5 | | 27.0 | 39.5 | |
| 9.1 | 37 | 2.0 | 59.1 | R | 9.5 | | 32.1 | 59.9 | | 8.7 | | 58.5 | 50.9 | K | 9.3 | 10 | 12.6 | 0.4 | B | 9.4 | | 31.1 | 25.6 | |
| 9.2 | | 4.9 | 11.9 | | 8.9 | | 47.0 | 47.5 | K | 9.4 | | 59.9 | 40.7 | B | 9.1 | | 15.2 | 36.5 | | 9.5 | | 31.4 | 50.8 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *25.24* | *0.47* | | *10pr.* | | *25.28* | *0.62* | | *10pr.* | | *25.33* | *0.78* | | *10pr.* | | *25.40* | *0.92* | | *10pr.* | | *25.48* | *1.08* | |

### 3701—3760

| | 19ʰ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 20 52.1 | 27.8 | |
| 9.3 | 21 53.0 | 24.2 | |
| 9.3 | 58.3 | 45.4 | *a* |
| 9.5 | 22 8.5 | 4.5 | |
| 7.8 | 17.1 | 25.6 | L |
| 9.4 | 17.9 | 22.7 | B |
| 9.3 | 34.8 | 30.3 | |
| 8.3 | 36.0 | 15.5 | R |
| 9.3 | 40.4 | 21.9 | R |
| 8.2 | 41.1 | 47.1 | B |
| 9.5 | 23 9.6 | 7.3 | |
| 7.3 | 42.1 | 24.6 | R*b* |
| 9.5 | 55.4 | 55.2 | |
| 8.9 | 24 0.5 | 23.5 | B |
| 9.5 | 4.6 | 26.7 | |
| 9.3 | 6.8 | 37.4 | B |
| 9.2 | 13.3 | 46.8 | |
| 8.0 | 13.9 | 12.0 | K |
| 9.0 | 25.0 | 41.2 | |
| 9.4 | 38.1 | 31.3 | |
| 8.9 | 45.2 | 29.2 | K |
| 9.5 | 49.0 | 20.6 | |
| 9.5 | 49.4 | 13.9 | |
| 8.8 | 25 39.2 | 32.0 | |
| 9.3 | 49.8 | 5.4 | |
| 9.0 | 49.8 | 45.4 | R |
| 8.3 | 26 13.9 | 15.0 | |
| 8.1 | 16.5 | 56.0 | K |
| 9.5 | 44.1 | 14.0 | |
| 9.5 | 48.3 | 47.8 | |
| 9.3 | 55.5 | 26.6 | R |
| 9.5 | 27 38.2 | 10.8 | |
| 9.1 | 42.9 | 15.3 | B*b* |
| 9.5 | 28 59.9 | 9.9 | |
| 9.4 | 29 10.2 | 35.7 | |
| 9.0 | 30.3 | 44.1 | |
| 7.8 | 25.9 | 11.0 | |
| 8.9 | 35.5 | 57.4 | K*b* |
| 9.3 | 44.9 | 24.2 | B |
| 9.5 | 53.9 | 23.2 | |
| 6.5 | 55.0 | 15.6 | K |
| 9.0 | 30 20.0 | 17.1 | K |
| 9.2 | 37.5 | 56.4 | |
| 9.0 | 41.2 | 35.2 | |
| 9.2 | 47.0 | 6.2 | |
| 9.0 | 31 12.1 | 29.6 | S |
| 9.1 | 21.1 | 26.6 | B |
| 9.3 | 25.4 | 52.8 | |
| 7.7 | 40.1 | 28.1 | R |
| 9.5 | 52.1 | 27.9 | |
| 8.9 | 32 10.0 | 30.8 | |
| 7.5 | 28.3 | 42.6 | R |
| 9.4 | 29.2 | 33.0 | |
| 7.7 | 36.3 | 47.4 | L |
| 9.5 | 33 0.6 | 35.9 | B |
| 9.5 | 3.4 | 48.1 | |
| 8.3 | 20.1 | 23.6 | *B* |
| 9.3 | 33.5 | 5.6 | |
| 9.3 | 37.2 | 36.5 | |
| 9.1 | 47.5 | 57.7 | R |
| | + | + | |
| 10*pr.* | 25.58 | 1.24 | |

### 3761—3820

| | 19ʰ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 34 7.1 | 30.5 | |
| 9.5 | 22.7 | 13.1 | B |
| 9.5 | 32.5 | 17.2 | |
| 9.0 | 36.9 | 11.0 | K |
| 8.9 | 40.9 | 55.0 | |
| 8.9 | 59.6 | 56.0 | B |
| 6.7 | 35 1.6 | 7.1 | K |
| 9.5 | 6.9 | 12.6 | |
| 9.0 | 19.3 | 58.9 | K |
| 9.5 | 19.8 | 19.5 | |
| 9.5 | 28.8 | 18.5 | B |
| 9.3 | 43.2 | 0.4 | |
| 9.5 | 46.8 | 21.2 | |
| 9.5 | 50.4 | 23.5 | |
| 9.5 | 50.6 | 48.2 | |
| 7.2 | 36 36.1 | 30.6 | L |
| 9.5 | 37.2 | 36.5 | |
| 9.5 | 37.4 | 13.0 | |
| 8.8 | 46.4 | 51.3 | |
| 9.5 | 49.5 | 17.2 | |
| 9.4 | 55.8 | 55.8 | B |
| 8.8 | 37 2.5 | 57.2 | K |
| 9.4 | 10.3 | 41.1 | |
| 7.0 | 13.4 | 9.1 | L |
| 9.5 | 15.2 | 2.6 | |
| 9.2 | 19.4 | 50.3 | K |
| 9.5 | 25.8 | 3.8 | |
| 9.4 | 31.4 | 55.2 | |
| 9.5 | 34.2 | 4.3 | |
| 9.3 | 36.5 | 17.2 | K |
| 9.5 | 42.2 | 34.5 | |
| 9.5 | 42.5 | 49.3 | |
| 9.3 | 55.1 | 23.4 | |
| 9.5 | 38 13.9 | 8.8 | |
| 8.9 | 29.0 | 15.0 | K |
| 8.8 | 30.9 | 13.3 | K |
| 9.5 | 39 3.5 | 16.5 | |
| 9.5 | 6.6 | 5.8 | |
| 9.5 | 21.3 | 6.8 | |
| 9.0 | 37.4 | 50.6 | |
| 9.1 | 48.0 | 20.7 | *b* |
| 9.2 | 40 1.4 | 50.8 | |
| 8.1 | 5.6 | 7.0 | L |
| 9.3 | 6.5 | 20.6 | |
| 9.3 | 6.6 | 30.6 | |
| 9.1 | 44.9 | 14.5 | |
| 9.3 | 56.0 | 33.7 | B |
| 8.6 | 59.4 | 55.2 | |
| 9.5 | 41 6.0 | 18.4 | |
| 9.4 | 36.4 | 48.8 | |
| 9.4 | 41.4 | 12.8 | |
| 7.7 | 58.1 | 24.6 | *B* |
| 8.9 | 42 22.9 | 13.0 | |
| 9.1 | 28.0 | 17.2 | K |
| 9.5 | 33.5 | 34.3 | |
| 9.3 | 36.9 | 13.0 | |
| 9.5 | 37.6 | 25.6 | |
| 9.4 | 44.2 | 33.6 | B |
| 9.4 | 51.0 | 23.1 | |
| 9.1 | 55.9 | 11.0 | |
| | + | + | |
| 10*pr.* | 25.68 | 1.38 | |

### 3821—3880

| | 19ʰ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 42 59.1 | 45.4 | B |
| 8.9 | 43 7.6 | 53.1 | B |
| 9.0 | 22.1 | 25.5 | K |
| 8.8 | 27.0 | 15.6 | K |
| 8.8 | 33.2 | 38.0 | |
| 9.0 | 59.5 | 57.3 | |
| 8.5 | 44 3.0 | 18.2 | K |
| 9.4 | 6.3 | 47.3 | |
| 8.7 | 6.6 | 42 3 | B |
| 9.3 | 8.9 | 33.9 | B |
| 9.4 | 15.4 | 41.7 | |
| 9.3 | 42.5 | 31.7 | |
| 5.7 | 48.9 | 14.2 | K*b* |
| 9.5 | 49.8 | 42.9 | |
| 9.4 | 53.5 | 31.5 | |
| 9.1 | 54.3 | 27.9 | B |
| 9.0 | 45 16.3 | 42.9 | K |
| 8.3 | 52.4 | 54.1 | K |
| 9.0 | 46 6.3 | 44.4 | K |
| 8.0 | 15.0 | 5.1 | L |
| 9.5 | 36.2 | 35.4 | |
| 9.4 | 53.9 | 7.2 | |
| 9.4 | 47 5.9 | 14.5 | |
| 9.5 | 9.6 | 29.7 | B |
| 9.5 | 23.4 | 52.7 | |
| 8.0 | 24.8 | 36.5 | K |
| 9.3 | 31.1 | 14.1 | B |
| 9.3 | 31.8 | 45.1 | |
| 9.4 | 40.3 | 47.8 | |
| 8.5 | 58.9 | 12.8 | L |
| 9.5 | 48 1.3 | 40.5 | |
| 8.9 | 7.2 | 37.7 | K |
| 9.5 | 16.1 | 30.5 | |
| 7.1 | 29.0 | 3.1 | K |
| 9.4 | 30.2 | 40.6 | |
| 8.5 | 59.1 | 7.5 | K |
| 9.2 | 49 15.3 | 41.1 | |
| 9.4 | 30.1 | 29.5 | |
| 9.2 | 52.8 | 47.8 | *b* |
| 9.5 | 50 30.0 | 15.7 | |
| 9.5 | 32.3 | 42.2 | |
| 9.4 | 45.1 | 6.9 | |
| 9.4 | 54.4 | 6.7 | |
| 9.3 | 51 46.2 | 38.0 | |
| 9.5 | 48.8 | 2.7 | |
| 8.9 | 53.1 | 27.9 | |
| 9.0 | 52 5.4 | 55.1 | |
| 9.5 | 18.3 | 10.1 | |
| 9.5 | 36.1 | 30.3 | |
| 9.5 | 42.0 | 20.7 | |
| 9.2 | 47.9 | 14.0 | K |
| 5.9 | 57.0 | 42.5 | K |
| 9.5 | 53 0.6 | 58.5 | |
| 8.6 | 0.9 | 36.0 | K |
| 9.4 | 5.0 | 13.2 | |
| 9.5 | 10.8 | 37.5 | |
| 9.5 | 18.4 | 7.8 | |
| neb | 21.2 | 18.8 | |
| 9.3 | 28.4 | 28.9 | |
| 9.3 | 34.5 | 47.4 | |
| | + | + | |
| 10*pr.* | 25.79 | 1.51 | |

### 3881—3940

| | 19ʰ—20ʰ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 53 49.9 | 19.1 | R |
| 9.5 | 50.7 | 55.1 | |
| 9.5 | 56.8 | 18.9 | |
| 8.0 | 54 3.9 | 2.6 | L |
| 9.5 | 8.0 | 14.9 | |
| 9.5 | 17.9 | 37.7 | |
| 7.6 | 28.0 | 19.6 | K |
| 9.5 | 31.3 | 56.3 | |
| 8.1 | 41.1 | 27.0 | K*b* |
| 9.5 | 42.4 | 17.5 | |
| 9.5 | 55.3 | 26.2 | |
| 9.5 | 55 11.8 | 41.6 | |
| 9.3 | 29.4 | 31.4 | |
| 9.2 | 32.8 | 10.0 | |
| 9.4 | 34.2 | 20.0 | |
| 9.3 | 48.1 | 57.1 | |
| 9.5 | 56 16.1 | 37.9 | |
| 9.2 | 16.7 | 23.9 | |
| 9.5 | 21.0 | 21.4 | |
| 9.1 | 39.5 | 45.4 | *b* |
| 9.5 | 49.3 | 1.9 | |
| 9.5 | 57 9.8 | 18.3 | |
| 6.7 | 23.6 | 32.1 | L |
| 9.5 | 27.3 | 26.1 | |
| 9.5 | 30.3 | 24.1 | |
| 9.5 | 31.2 | 9.0 | |
| 9.4 | 33.2 | 22.7 | |
| 7.0 | 48.7 | 58.2 | B |
| 8.5 | 58 0.2 | 11.8 | L |
| 9.5 | 8.9 | 25.7 | |
| 9.2 | 18.2 | 32.0 | |
| 8.2 | 33.5 | 2.8 | K |
| 7.3 | 43.7 | 48.0 | L |
| 9.4 | 44.8 | 32.5 | |
| 9.4 | 59 4.1 | 56.2 | B |
| 9.5 | 5.7 | 57.4 | |
| 9.5 | 23.8 | 4.2 | |
| 7.5 | 27.7 | 23.0 | K |
| 9.5 | 32.7 | 48.1 | |
| 9.5 | 38.7 | 22.9 | |
| 9.5 | 40.8 | 20.5 | |
| 9.5 | 41.0 | 23.0 | |
| 9.5 | 51.1 | 37.9 | *a* |
| 8.7 | 53.4 | 37.5 | L |
| 8.4 | 57.2 | 45.6 | K |
| 9.4 | 57.6 | 49.7 | |
| 9.5 | 0 8.9 | 12.1 | |
| 8.0 | 23.3 | 17.6 | K |
| 9.5 | 34.4 | 14.7 | |
| 9.5 | 51.7 | 16.1 | |
| 9.3 | 59.1 | 2.8 | |
| 9.5 | 1 3.7 | 14.4 | |
| 9.3 | 32.3 | 1.4 | |
| 9.5 | 35.0 | 41.2 | |
| 9.5 | 47.6 | 39.2 | |
| 8.8 | 52.4 | 50.9 | K |
| 9.4 | 55.9 | 13.1 | |
| 9.2 | 2 1.8 | 4.2 | K |
| 9.3 | 24.0 | 31.7 | |
| 9.5 | 27.8 | 2.5 | |
| | + | + | |
| 10*pr.* | 25.90 | 1.65 | |

### 3941—4000

| | 20ʰ | +22° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.1 | 2 42.5 | 59.7 | B |
| 8.6 | 49.4 | 1.3 | K |
| 8.8 | 49.4 | 34.4 | |
| 9.5 | 3 28.7 | 12.3 | |
| 9.5 | 50.1 | 38.3 | |
| 9.5 | 4 9.8 | 7.8 | |
| 9.5 | 10.0 | 40.1 | |
| 8.9 | 10.0 | 56.8 | K |
| 9.5 | 13.4 | 26.5 | |
| 9.5 | 21.0 | 56.8 | |
| 9.0 | 25.0 | 44.9 | |
| 9.4 | 28.5 | 55.9 | |
| 9.1 | 38.5 | 11.5 | *b* |
| 9.4 | 49.4 | 45.6 | |
| 9.5 | 5 6.9 | 35.2 | |
| 8.7 | 22.4 | 27.8 | |
| 9.5 | 23.4 | 15.1 | B |
| 9.5 | 27.6 | 59.6 | |
| 9.5 | 50.8 | 5.2 | |
| 9.0 | 54.4 | 0.9 | K*b* |
| 9.4 | 54.4 | 15.5 | |
| 9.5 | 59.4 | 40.3 | |
| 8.7 | 6 0.0 | 22.6 | R |
| 9.3 | 2.3 | 8.2 | |
| 9.5 | 12.2 | 43.1 | |
| 8.7 | 14.7 | 24.0 | K |
| 9.2 | 23.7 | 12.7 | |
| 9.4 | 31.5 | 46.3 | |
| 8.5 | 48.5 | 46.6 | K |
| 9.5 | 51.5 | 58.2 | |
| 8.7 | 7 4.9 | 24.1 | K |
| 9.5 | 31.5 | 10.0 | |
| 9.5 | 36.5 | 22.8 | |
| 8.8 | 49.9 | 37.3 | K |
| 9.4 | 56.5 | 13.2 | |
| 8.8 | 8 1.6 | 34.7 | K |
| 8.7 | 11.9 | 40.1 | K |
| 9.4 | 14.0 | 57.7 | |
| 9.1 | 18.1 | 12.9 | |
| 9.5 | 25.4 | 28.1 | |
| 8.9 | 26.0 | 23.4 | B |
| 9.3 | 27.6 | 22.8 | *a* |
| 9.5 | 45.4 | 10.5 | |
| 9.5 | 50.7 | 37.1 | |
| 9.4 | 53.9 | 25.2 | |
| 9.1 | 55.8 | 51.5 | |
| 9.4 | 57.0 | 14.8 | |
| 9.0 | 9 10.0 | 12.1 | K |
| 9.5 | 13.0 | 40.3 | |
| 9.5 | 19.5 | 41.2 | B |
| 9.5 | 23.2 | 42.1 | |
| 9.0 | 25.0 | 25.3 | K |
| 9.5 | 30.2 | 29.8 | |
| 9.5 | 46.4 | 17.4 | |
| 9.5 | 56.7 | 3.0 | |
| 9.2 | 10 4.6 | 42.5 | |
| 9.3 | 13.9 | 4.2 | |
| 8.9 | 25.5 | 45.7 | |
| 9.5 | 25.7 | 34.5 | |
| 9.5 | 46.0 | 55.0 | |
| | + | + | |
| 10*pr.* | 26.01 | 1.76 | |

| 4001—4060 | | | | | 4061—4120 | | | | | 4121—4180 | | | | | 4181—4240 | | | | | 4241—4300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | | +22° | | | 20ᵐ | | +22° | | | 20ᵐ | | +22° | | | 20ᵐ | | +22° | | | 20ᵐ | | +22° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 11 | 1.7 | 46.8 | | 9.4 | 21 | 14.3 | 7.2 | | 9.4 | 29 | 41.4 | 13.3 | | 9.4 | 39 | 54.2 | 18.1 | | 8.4 | 48 | 50.5 | 38.8 | K |
| 8.8 | | 12.7 | 10.8 | | 9.4 | | 16.7 | 5.4 | | 9.4 | | 52.6 | 28.1 | | 9.3 | | 54.6 | 10.3 | B | 9.3 | 49 | 34.7 | 27.8 | |
| 8.5 | | 20.3 | 43.2 | | 9.3 | | 28.1 | 57.2 | | 9.5 | | 57.9 | 24.6 | | 9.3 | | 55.3 | 24.6 | | 9.5 | | 36.8 | 31.2 | |
| 9.5 | | 24.8 | 42.9 | | 9.4 | | 29.1 | 52.2 | | 9.5 | 30 | 6.3 | 40.2 | B | 9.4 | 40 | 18.1 | 21.8 | | 7.5 | | 45.1 | 2.1 | K |
| 9.5 | | 33.6 | 59.8 | | 9.5 | | 31.5 | 6.7 | | 9.3 | | 10.9 | 57.0 | | 9.5 | | 18.9 | 16.7 | | 9.5 | 50 | 8.4 | 10.5 | |
| 9.0 | | 44.9 | 2.1 | | 9.5 | | 34.3 | 15.5 | | 9.2 | | 15.6 | 4.1 | | 9.2 | | 25.1 | 2.3 | | 9.5 | | 14.5 | 9.4 | |
| 9.5 | 12 | 5.5 | 29.2 | | 9.5 | | 56.9 | 57.3 | | 9.4 | | 25.5 | 8.0 | | 9.4 | | 33.9 | 39.7 | | 9.4 | | 45.3 | 31.5 | |
| 9.5 | | 13.1 | 50.9 | | 9.5 | | 59.9 | 18.7 | | 9.5 | | 35.7 | 2.7 | | 8.8 | | 45.6 | 20.2 | | 8.5 | | 46.4 | 19.6 | Kb |
| 8.0 | | 30.1 | 28.9 | K | 9.5 | 22 | 15.0 | 58.6 | | 9.2 | | 50.8 | 3.4 | | 9.3 | | 46.0 | 39.2 | | 8.9 | | 55.7 | 7.9 | |
| 9.5 | | 30.2 | 22.5 | | 9.5 | | 21.7 | 34.8 | | 9.5 | | 51.3 | 34.8 | B | 9.4 | | 56.6 | 30.6 | B | 9.0 | 51 | 14.8 | 19.8 | K |
| 9.5 | | 33.1 | 39.4 | | 9.5 | | 28.3 | 45.0 | B | 9.4 | | 52.8 | 23.9 | | 9.5 | 41 | 0.8 | 13.3 | | 8.9 | | 25.4 | 30.3 | K |
| 8.3 | | 42.1 | 39.8 | | 9.4 | | 32.9 | 25.5 | | 9.2 | 31 | 0.7 | 9.0 | | 9.5 | | 1.7 | 27.4 | | 9.5 | | 42.4 | 15.0 | |
| 8.1 | 13 | 9.7 | 32.7 | K | 9.5 | | 43.5 | 29.7 | | 9.0 | | 51.6 | 50.6 | | 9.0 | | 5.5 | 33.2 | | 8.8 | | 47.4 | 53.0 | |
| 8.7 | | 20.3 | 7.7 | | 9.3 | | 52.6 | 53.5 | | 8.8 | 32 | 5.2 | 33.7 | K | 7.8 | | 14.1 | 10.0 | L | 7.0 | | 51.4 | 29.4 | K |
| 9.0 | | 20.3 | 4.5 | | 9.5 | 23 | 12.5 | 44.9 | | 9.5 | | 12.6 | 32.3 | B | 9.3 | | 22.3 | 48.7 | | 9.1 | | 53.2 | 16.6 | |
| 9.5 | | 20.7 | 11.4 | | 9.3 | | 23.1 | 39.8 | | 9.5 | | 16.3 | 13.0 | | 9.5 | | 36.6 | 22.6 | | 9.3 | | 58.7 | 25.1 | |
| 9.5 | | 28.1 | 0.3 | | 9.5 | | 31.0 | 43.5 | | 9.2 | | 31.2 | 44.9 | | 9.3 | | 59.1 | 55.1 | | 7.8 | 52 | 1.2 | 40.9 | K |
| 9.2 | | 33.7 | 12.7 | | 8.6 | | 35.0 | 37.1 | K | 9.5 | | 32.3 | 29.3 | | 8.6 | 42 | 5.6 | 34.6 | | 9.2 | | 18.4 | 18.7 | |
| 9.5 | | 35.2 | 18.9 | | 9.5 | | 36.3 | 41.2 | | 9.5 | | 36.7 | 7.7 | | 7.7 | | 6.7 | 28.7 | L | 8.5 | | 26.0 | 0.3 | |
| 9.5 | 14 | 16.2 | 28.1 | | 9.0 | | 45.0 | 29.9 | | 9.4 | | 40.9 | 34.3 | | 9.5 | | 11.9 | 17.5 | | 9.5 | | 42.4 | 0.0 | |
| 8.8 | | 25.3 | 39.4 | | 9.3 | | 54.9 | 37.9 | | 8.8 | 33 | 0.2 | 43.5 | K | 9.5 | | 22.3 | 39.2 | B | 9.5 | | 48.0 | 26.3 | |
| 9.3 | | 28.1 | 2.9 | | 8.9 | 24 | 5.7 | 45.6 | Kb | 9.5 | | 20.7 | 36.5 | | 9.5 | | 22.8 | 42.8 | | 9.5 | 53 | 6.8 | 58.1 | |
| 9.5 | | 28.5 | 37.5 | | 9.5 | | 6.2 | 54.5 | | 9.3 | | 46.1 | 29.2 | | 8.0 | | 26.2 | 27.7 | K | 9.5 | | 17.3 | 12.6 | |
| 9.1 | | 31.6 | 18.1 | b | 9.5 | | 17.9 | 17.6 | | 8.7 | 34 | 16.5 | 13.0 | K | 9.5 | | 26.8 | 6.3 | | 9.5 | | 31.0 | 56.9 | |
| 8.5 | | 32.5 | 29.7 | | 9.5 | | 39.2 | 45.4 | | 9.4 | | 17.7 | 4.7 | B | 9.5 | | 37.0 | 39.5 | | 9.5 | | 33.2 | 9.0 | |
| 9.0 | | 33.0 | 1.2 | | 9.5 | | 50.1 | 40.9 | | 8.8 | | 21.8 | 38.8 | | 9.2 | | 40.1 | 42.0 | B | 9.5 | | 33.8 | 0.2 | |
| 8.8 | 15 | 7.8 | 38.4 | L | 9.5 | | 53.8 | 19.6 | | 9.5 | | 28.1 | 4.7 | B | 9.1 | | 41.3 | 35.9 | | 9.5 | | 49.0 | 53.9 | |
| 7.2 | | 12.2 | 23.5 | L | 9.3 | 25 | 3.5 | 34.9 | | 9.5 | | 29.7 | 1.9 | | 9.5 | | 48.0 | 37.6 | | 9.3 | 54 | 2.1 | 55.5 | |
| 9.1 | | 13.4 | 3.0 | | 9.4 | | 18.0 | 33.1 | | 9.5 | | 30.7 | 2.2 | | 9.5 | 43 | 2.3 | 10.9 | | 8.6 | | 21.9 | 50.7 | K |
| 9.5 | | 33.0 | 19.7 | | 9.4 | | 29.0 | 22.6 | | 9.3 | | 39.8 | 36.4 | | 9.5 | | 3.1 | 19.6 | | 9.5 | | 32.0 | 45.7 | |
| 9.5 | | 43.7 | 14.2 | | 9.5 | | 32.7 | 49.5 | | 9.2 | | 54.8 | 9.4 | | 9.4 | | 34.0 | 12.9 | | 9.5 | | 39.2 | 35.7 | |
| 8.7 | | 46.5 | 19.6 | L | 9.3 | | 43.1 | 29.5 | | 9.2 | 35 | 15.2 | 58.1 | | 9.5 | | 34.3 | 29.6 | | 9.5 | | 52.7 | 8.4 | |
| 9.3 | | 49.2 | 22.1 | | 7.0 | | 47.0 | 20.1 | K | 9.5 | | 18.5 | 26.0 | | 8.5 | | 39.1 | 41.9 | K | 9.3 | | 54.9 | 8.0 | |
| 9.1 | | 56.8 | 32.5 | B | 9.5 | 26 | 14.2 | 35.5 | | 8.4 | | 25.4 | 3.1 | K | 8.8 | 44 | 1.2 | 1.6 | | 9.5 | 55 | 27.2 | 27.7 | |
| 9.5 | 16 | 5.8 | 12.9 | | 9.3 | | 16.1 | 42.6 | | 7.8 | | 26.5 | 28.0 | K | 8.0 | | 1.6 | 20.9 | R | 9.5 | | 38.0 | 21.7 | |
| 9.3 | | 11.7 | 57.1 | | 9.5 | | 25.6 | 49.6 | | 9.5 | | 52.5 | 15.4 | | 9.3 | | 2.7 | 13.0 | | 8.9 | | 46.6 | 31.2 | |
| 9.5 | | 29.5 | 58.8 | | 8.8 | | 35.3 | 21.3 | K | 9.5 | 36 | 5.7 | 38.5 | | 7.8 | | 12.5 | 11.5 | R | 9.3 | | 53.0 | 30.6 | a |
| 9.5 | | 55.6 | 6.2 | | 8.9 | | 35.3 | 17.1 | K | 9.2 | | 14.1 | 9.4 | | 9.4 | | 16.8 | 37.5 | | 7.3 | | 54.6 | 45.5 | L |
| 8.9 | | 56.2 | 46.3 | | 8.9 | | 45.5 | 54.2 | | 9.2 | | 20.6 | 18.5 | | 9.5 | | 38.8 | 57.6 | | 9.5 | 56 | 9.4 | 20.3 | |
| 9.5 | 17 | 17.6 | 17.1 | | 9.5 | | 57.3 | 20.5 | | 9.5 | | 23.8 | 45.4 | | 9.5 | | 59.2 | 26.4 | | 9.5 | | 32.9 | 40.4 | |
| 9.5 | | 20.2 | 30.7 | | 8.1 | 27 | 2.6 | 29.5 | L | 9.5 | | 39.7 | 6.9 | | 8.6 | 45 | 1.3 | 5.2 | | 9.4 | | 35.0 | 26.5 | |
| 8.5 | | 40.0 | 31.3 | | 8.6 | | 6.3 | 20.6 | K | 8.8 | | 40.9 | 6.6 | | 9.3 | | 11.2 | 47.4 | | 9.5 | 57 | 6.1 | 57.0 | |
| 9.3 | | 59.0 | 12.2 | | 8.6 | | 18.7 | 49.3 | | 8.6 | | 54.0 | 28.3 | K | 7.6 | | 25.8 | 47.4 | Kb | 9.5 | | 12.8 | 23.0 | |
| 9.3 | 18 | 38.0 | 34.3 | | 9.3 | | 30.2 | 34.8 | | 8.8 | 37 | 6.9 | 45.1 | | 9.4 | 46 | 2.4 | 5.0 | B | 9.5 | | 15.7 | 30.6 | B |
| 8.5 | | 49.4 | 16.9 | K | 9.3 | | 31.5 | 59.3 | | 9.5 | | 40.3 | 16.0 | | 9.4 | | 5.6 | 45.0 | | 9.2 | | 24.9 | 6.5 | |
| 9.0 | | 49.4 | 15.4 | K | 9.5 | | 34.4 | 47.5 | | 9.3 | 38 | 1.8 | 44.1 | | 9.5 | | 9.8 | 52.0 | B | 8.7 | | 25.7 | 47.4 | B |
| 8.0 | | 56.4 | 58.4 | K | 8.8 | | 46.6 | 24.3 | K | 9.2 | | 10.2 | 56.6 | | 9.5 | | 12.5 | 3.5 | | 8.7 | | 27.9 | 2.3 | K |
| 9.0 | 19 | 7.2 | 34.4 | K | 9.5 | 28 | 1.0 | 44.7 | | 9.5 | | 15.3 | 15.0 | | 9.4 | | 28.6 | 24.7 | | 9.0 | | 28.3 | 51.1 | |
| 9.5 | | 40.7 | 46.5 | | 9.5 | | 8.3 | 46.2 | | 9.3 | | 24.5 | 38.8 | a | 9.5 | | 31.4 | 35.7 | | 8.6 | 58 | 0.6 | 30.2 | K |
| 9.1 | | 41.6 | 28.8 | b | 8.9 | | 30.4 | 26.4 | | 8.7 | | 26.2 | 39.5 | | 9.1 | 47 | 12.5 | 10.7 | | 9.5 | | 21.0 | 35.7 | |
| 9.5 | | 48.0 | 20.2 | | 9.0 | | 36.9 | 56.7 | K | 9.3 | | 27.6 | 59.1 | | 8.5 | | 22.6 | 10.6 | K | 9.3 | | 21.7 | 45.0 | B |
| 9.2 | 20 | 0.2 | 10.3 | | 9.1 | | 46.0 | 36.6 | R | 9.4 | | 42.4 | 44.4 | | 9.3 | | 29.2 | 3.9 | | 9.5 | | 31.4 | 17.9 | |
| 9.5 | | 26.7 | 2.7 | | 9.1 | | 46.4 | 25.4 | | 8.6 | 39 | 1.0 | 14.1 | | 9.2 | | 45.9 | 45.1 | | 8.5 | | 38.9 | 54.9 | Kb |
| 9.5 | | 38.9 | 35.3 | | 9.5 | | 48.0 | 5.5 | | 9.4 | | 5.6 | 47.2 | | 9.5 | | 54.6 | 57.2 | B | 9.5 | | 47.0 | 28.5 | |
| 9.4 | | 41.0 | 36.6 | | 8.9 | | 55.2 | 34.3 | K | 9.5 | | 10.3 | 20.1 | | 9.0 | 48 | 8.7 | 39.3 | | 9.5 | | 59.7 | 51.5 | |
| 9.5 | | 45.3 | 4.5 | | 9.3 | | 59.1 | 51.9 | | 8.0 | | 16.5 | 29.3 | Kb | 9.5 | | 16.6 | 2.8 | | 9.2 | 59 | 8.4 | 30.6 | |
| 9.5 | | 46.3 | 57.7 | | 9.3 | 29 | 11.1 | 0.3 | | 9.4 | | 21.3 | 47.6 | | 8.7 | | 19.0 | 58.3 | | 9.5 | | 15.4 | 43.6 | |
| 9.5 | | 54.8 | 51.2 | | 9.4 | | 18.2 | 22.8 | | 8.0 | | 21.3 | 24.0 | K | 9.5 | | 30.5 | 36.5 | | 9.4 | | 17.8 | 53.7 | |
| 8.9 | 21 | 2.2 | 10.3 | | 9.3 | | 25.7 | 30.1 | | 8.9 | | 23.0 | 2.9 | | 9.5 | | 46.7 | 0.3 | | 9.4 | | 24.7 | 36.5 | B |
| 9.5 | | 6.6 | 4.8 | | 9.3 | | 36.4 | 1.6 | | 9.5 | | 44.0 | 37.0 | | 9.2 | | 50.2 | 42.7 | | 9.2 | | 26.2 | 43.6 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 26.12 | 1.87 | | 10pr. | | 26.26 | 1.98 | | 10pr. | | 26.40 | 2.09 | | 10pr. | | 26.53 | 2.18 | | 10pr. | | 26.71 | 2.31 | |

| 4301—4360 | | | | | 4361—4420 | | | | | 4421—4480 | | | | | 4481—4540 | | | | | 4541—4600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20°—21° | | +22° | | | 21° | | +22° | | | 21° | | +22° | | | 21° | | +22° | | | 21°—22° | | +22° | |
| m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ |
| 9.3 | 59 | 32.6 | | 2.7 | 9.5 | 12 | 6.9 | | 58.2 | 9.5 | 26 | 38.5 | | 57.2 | 9.5 | 41 | 20.3 | | 15.6 | R | 9.5 | 56 | 58.4 | | 57.6 | |
| 9.0 | | 49.7 | | 16.3 | 9.5 | | 11.3 | | 19.4 | 9.2 | | 41.1 | | 2.1 | 9.5 | | 57.7 | | 3.1 | | 9.0 | 57 | 21.2 | | 14.1 | |
| 9.3 | | 50.1 | | 22.1 | 9.2 | | 27.2 | | 5.7 | 7.5 | | 53.8 | | 24.2 | K | 9.5 | 42 | 8.1 | | 22.9 | | 9.0 | | 45.0 | | 8.1 | |
| 9.2 | | 55.8 | | 9.3 | 8.2 | | 44.1 | | 52.3 | 9.4 | | 54.9 | | 35.9 | a | 8.5 | | 50.0 | | 53.3 | K | 9.5 | | 48.6 | | 57.4 | |
| 9.5 | 0 | 20.0 | | 36.8 | 9.5 | | 52.8 | | 32.5 | 9.0 | 27 | 3.1 | | 32.2 | K | 9.6 | | 51.4 | | 9.2 | B | 9.1 | | 57.3 | | 39.5 | b |
| 9.1 | | 20.3 | | 30.8 | Bb | 9.4 | 13 | 3.4 | | 52.2 | 9.5 | | 5.0 | | 10.2 | | 9.3 | 43 | 0.9 | | 18.7 | | 9.4 | 59 | 2.5 | | 32.0 | B |
| 9.1 | | 22.2 | | 31.5 | | 9.4 | | 10.6 | | 47.1 | B | 9.4 | | 16.5 | | 37.6 | | 9.0 | | 7.2 | | 43.0 | B | 9.5 | | 6.3 | | 39.2 | |
| 9.5 | | 33.3 | | 54.8 | | 9.4 | | 16.1 | | 49.6 | B | 9.2 | | 30.6 | | 32.1 | B | 8.6 | | 18.5 | | 36.8 | B | 9.4 | | 13.1 | | 30.5 | |
| 9.4 | | 37.2 | | 0.7 | | 7.8 | | 17.8 | | 7.3 | B | 9.3 | | 51.3 | | 12.3 | | 9.4 | | 20.6 | | 39.7 | | 8.9 | | 23.4 | | 34.8 | B |
| 9.5 | | 41.1 | | 33.8 | | 9.5 | | 30.8 | | 43.7 | | 9.1 | | 55.0 | | 14.8 | B | 9.2 | | 24.8 | | 1.3 | B | 9.5 | | 25.0 | | 3.6 | |
| 9.5 | | 50.2 | | 44.9 | | 9.1 | | 45.8 | | 38.0 | | 6.7 | | 57.2 | | 7.4 | K | 9.5 | | 47.0 | | 1.3 | B | 9.4 | | 28.0 | | 32.0 | |
| 9.5 | | 52.2 | | 13.7 | | 9.0 | | 50.3 | | 27.7 | | 9.5 | 28 | 8.1 | | 56.5 | | 9.5 | 44 | 5.1 | | 43.1 | | 8.6 | | 46.6 | | 39.3 | |
| 8.2 | | 58.7 | | 49.7 | K | 7.8 | 14 | 49.8 | | 16.6 | K | 9.0 | | 17.2 | | 49.6 | | 8.0 | | 37.5 | | 11.1 | Kb | 9.1 | 0 | 27.2 | | 21.0 | |
| 8.7 | 1 | 16.6 | | 17.2 | B | 8.8 | | 51.2 | | 46.3 | K | 9.3 | | 20.8 | | 14.6 | | 9.3 | | 40.5 | | 17.9 | B | 8.9 | | 42.6 | | 44.7 | |
| 9.5 | | 24.7 | | 32.4 | | 9.4 | | 55.6 | | 43.7 | | 9.2 | | 42.5 | | 9.9 | K | 9.2 | 45 | 18.4 | | 54.4 | | 9.5 | 1 | 0.6 | | 25.1 | |
| 8.7 | | 29.7 | | 53.2 | K | 9.0 | 15 | 39.5 | | 37.0 | | 9.3 | | 58.6 | | 52.5 | | 9.5 | | 19.1 | | 46.3 | | 8.9 | | 10.5 | | 9.3 | |
| 8.8 | | 35.2 | | 47.8 | K | 8.3 | 16 | 4.5 | | 50.9 | K | 9.3 | 30 | 10.1 | | 33.2 | | 9.5 | | 22.3 | | 59.7 | | 9.5 | | 11.6 | | 59.5 | |
| 9.3 | | 35.9 | | 30.1 | | 9.4 | | 6.0 | | 15.2 | B | 9.5 | | 11.0 | | 37.4 | | 9.5 | 46 | 15.4 | | 5.5 | | 8.9 | 2 | 21.5 | | 16.4 | B |
| 8.4 | | 51.4 | | 17.7 | | 9.3 | | 6.3 | | 58.5 | | 9.1 | | 47.3 | | 42.8 | Bb | 9.1 | | 18.8 | | 31.4 | Bb | 9.5 | | 30.3 | | 38.2 | |
| 9.5 | 2 | 3.6 | | 58.3 | | 9.5 | | 7.7 | | 1.6 | | 9.5 | | 54.7 | | 39.0 | | 9.1 | | 21.8 | | 48.7 | | 9.5 | | 38.4 | | 55.4 | |
| 9.5 | | 56.8 | | 41.7 | | 9.5 | | 13.0 | | 33.4 | | 9.3 | 31 | 4.0 | | 3.7 | aB | 9.4 | | 52.0 | | 24.2 | B | 8.9 | | 46.6 | | 8.8 | |
| 9.5 | 3 | 0.8 | | 23.9 | | 9.3 | | 19.5 | | 29.1 | | 9.2 | | 4.8 | | 16.4 | | 9.5 | 47 | 24.0 | | 57.2 | | 9.5 | | 52.6 | | 20.6 | |
| 8.0 | | 5.1 | | 20.7 | K | 9.5 | | 36.3 | | 33.2 | | 9.0 | | 22.5 | | 9.6 | | 9.4 | | 28.8 | | 46.3 | | 7.3 | 3 | 15.9 | | 24.7 | Kb |
| 9.4 | | 12.4 | | 56.7 | | 8.9 | | 48.5 | | 40.5 | B | 9.5 | | 23.1 | | 30.1 | | 9.5 | | 37.7 | | 52.0 | B | 9.5 | | 24.0 | | 7.9 | |
| 9.4 | | 35.0 | | 22.9 | | 9.5 | 17 | 13.4 | | 27.8 | B | 8.8 | | 41.0 | | 57.0 | K | 9.4 | | 43.8 | | 27.7 | | 9.5 | | 36.1 | | 23.4 | |
| 9.4 | | 51.9 | | 53.8 | | 9.5 | | 42.5 | | 49.1 | | 8.7 | | 52.7 | | 57.9 | K | 9.3 | 49 | 24.5 | | 57.3 | | 9.2 | | 42.5 | | 30.9 | |
| 9.1 | 4 | 1.8 | | 22.8 | | 9.5 | | 49.8 | | 34.2 | B | 9.4 | | 59.8 | | 8.0 | | 9.5 | | 32.2 | | 3.5 | | 8.8 | | 48.7 | | 4.7 | K |
| 9.5 | | 9.7 | | 15.0 | | 9.4 | 18 | 4.0 | | 34.7 | | 9.5 | 32 | 3.1 | | 45.2 | | 8.1 | | 38.5 | | 10.8 | K | 8.8 | 4 | 1.8 | | 5.0 | K |
| 9.1 | 5 | 15.0 | | 5.7 | b | 9.5 | | 31.0 | | 48.0 | | 9.5 | | 3.3 | | 51.8 | | 9.1 | 50 | 22.1 | | 12.2 | b | 8.3 | | 8.4 | | 53.3 | K |
| 8.5 | | 15.2 | | 59.6 | K | 9.5 | | 31.7 | | 57.6 | | 9.3 | | 20.6 | | 51.3 | | 7.7 | | 44.8 | | 54.9 | K | 9.5 | | 21.1 | | 57.8 | |
| 7.9 | | 25.3 | | 29.7 | K | 9.5 | | 37.0 | | 42.5 | | 9.5 | | 22.9 | | 11.0 | B | 8.3 | | 53.9 | | 51.4 | K | 9.3 | | 22.8 | | 49.2 | |
| 8.8 | | 58.3 | | 34.8 | K | 9.4 | | 40.1 | | 14.3 | B | 9.5 | | 28.6 | | 58.5 | | 9.3 | | 59.5 | | 33.5 | | 9.2 | | 23.7 | | 50.7 | B |
| 9.5 | 6 | 18.0 | | 6.0 | | 9.4 | 19 | 56.3 | | 42.1 | | 9.3 | | 43.1 | | 50.7 | | 9.1 | 51 | 23.5 | | 44.1 | | 9.5 | | 48.4 | | 2.9 | |
| 9.3 | | 18.3 | | 54.7 | | 8.7 | 20 | 0.1 | | 18.7 | Kb | 9.0 | | 58.5 | | 35.9 | | 9.5 | | 44.2 | | 43.8 | | 8.8 | 5 | 0.7 | | 23.7 | K |
| 9.5 | | 29.4 | | 16.3 | | 9.1 | | 23.7 | | 5.5 | | 8.8 | | 59.1 | | 43.1 | | 9.3 | | 45.5 | | 24.2 | | 9.5 | | 23.2 | | 44.5 | |
| 9.2 | | 30.7 | | 50.7 | B | 9.5 | | 28.5 | | 58.0 | | 9.5 | 33 | 38.8 | | 59.8 | | 9.4 | | 45.6 | | 4.6 | | 9.5 | | 31.8 | | 4.3 | |
| 9.5 | | 51.8 | | 7.6 | | 9.5 | 21 | 19.1 | | 38.3 | | 9.3 | | 41.5 | | 37.4 | B | 8.1 | | 47.5 | | 51.7 | K | 9.3 | | 33.2 | | 48.3 | B |
| 9.2 | 7 | 4.9 | | 2.0 | b | 9.0 | | 44.0 | | 18.8 | | 9.2 | | 55.1 | | 30.4 | | 9.3 | 52 | 0.2 | | 16.6 | | 9.5 | 6 | 2.2 | | 51.1 | |
| 9.5 | | 15.1 | | 45.9 | | 8.8 | | 57.9 | | 2.3 | | 9.1 | | 55.6 | | 22.9 | B | 9.4 | | 8.2 | | 10.6 | B | 9.4 | | 5.4 | | 45.6 | |
| 9.5 | 8 | 35.4 | | 25.4 | B | 9.5 | 22 | 15.0 | | 13.6 | | 8.2 | 34 | 0.0 | | 31.9 | K | 9.3 | | 45.1 | | 12.1 | | 9.4 | | 8.6 | | 26.6 | |
| 9.1 | | 42.0 | | 45.6 | | 9.3 | | 29.5 | | 16.7 | | 9.4 | | 15.6 | | 10.1 | B | 9.5 | | 55.8 | | 35.7 | | 9.5 | | 10.5 | | 57.8 | |
| 8.5 | 9 | 1.5 | | 54.4 | K | 9.4 | | 31.7 | | 6.5 | | 8.8 | 35 | 31.2 | | 22.5 | | 9.5 | | 56.5 | | 57 3 | | 9.5 | | 26.5 | | 53.0 | |
| 9.0 | | 6.6 | | 27.7 | | 9.0 | 23 | 12.7 | | 51.9 | K | 7.2 | 36 | 16.4 | | 39.2 | K | 9.0 | 53 | 5.4 | | 11.5 | K | 9.4 | | 41.8 | | 51.1 | B |
| 9.2 | | 33.3 | | 44.5 | | 9.2 | | 42.9 | | 55.0 | B | 8.6 | | 39.8 | | 22.9 | K | 9.5 | | 32.3 | | 51.9 | | 8.8 | | 43.6 | | 25.1 | R |
| 9.3 | | 41.7 | | 48.2 | B | 9.2 | | 50.1 | | 46.5 | K | 6.5 | 37 | 19.3 | | 9.6 | K | 9.5 | 54 | 32.6 | | 56.9 | | 9.5 | | 50.4 | | 16.2 | |
| 9.3 | | 43.7 | | 55.5 | | 9.5 | | 56.2 | | 10.5 | | 9.4 | 38 | 26.9 | | 0.2 | | 8.5 | | 45.7 | | 32.1 | | 9.0 | | 56.3 | | 38.2 | K |
| 9.3 | 10 | 4.6 | | 13.1 | | 9.5 | 24 | 3.0 | | 19.2 | | 8.5 | | 28.4 | | 13.2 | K | 9.4 | | 46.7 | | 53.6 | | 9.5 | 7 | 22.2 | | 28.1 | |
| 9.3 | | 20.0 | | 31.8 | | 9.5 | | 3.0 | | 26.3 | | 8.5 | | 29.0 | | 14.9 | K | 9.5 | 55 | 0.9 | | 36.8 | | 9.3 | | 31.8 | | 54.7 | |
| 9.5 | | 20.2 | | 56.8 | B | 9.1 | | 24.5 | | 43.1 | K | 8.5 | | 30.3 | | 44.1 | | 8.2 | | 6.1 | | 53.0 | K | 8.2 | | 43.4 | | 55.2 | B |
| 8.3 | | 27.3 | | 4.1 | R | 9.2 | | 41.5 | | 16.3 | | 9.5 | | 32.2 | | 59.3 | | 9.3 | | 7.6 | | 59.7 | | 9.5 | | 53.9 | | 16.8 | |
| 9.0 | | 28.8 | | 36.8 | K | 7.7 | | 46.5 | | 6.2 | K | 9.4 | 39 | 21.1 | | 45.6 | | 8.0 | | 18.1 | | 47.1 | K | 9.5 | | 57.3 | | 13.4 | |
| 9.3 | | 53.9 | | 1.6 | | 9.2 | | 46.6 | | 52.8 | | 5.0 | | 24.2 | | 16.9 | Kb | 9.2 | | 42.3 | | 8.6 | b | 9.0 | 8 | 27.4 | | 24.7 | R |
| 9.5 | | 58.0 | | 51.5 | | 9.4 | 25 | 15.5 | | 32.2 | | 9.5 | | 39.5 | | 52.8 | | 9.4 | | 43.3 | | 23.9 | | 8.8 | | 47.8 | | 22.7 | K |
| 9.5 | 11 | 10.3 | | 12.2 | | 9.5 | | 17.8 | | 14.8 | B | 7.0 | | 40.4 | | 16.7 | K | 8.0 | | 47.8 | | 53.5 | K | 9.0 | | 57.2 | | 30.1 | |
| 9.1 | | 12.4 | | 58.8 | b | 9.5 | | 43.1 | | 8.3 | | 9.1 | | 57.8 | | 16.3 | | 9.3 | 56 | 13.1 | | 47.3 | | 9.3 | | 58.4 | | 7.9 | R |
| 8.8 | | 26.7 | | 5.0 | | 9.5 | | 48.3 | | 6.8 | | 8.9 | 40 | 7.4 | | 15.9 | K | 9.5 | | 20.8 | | 27.6 | | 9.3 | 9 | 10.1 | | 47.6 | B |
| 9.5 | | 28.3 | | 44.1 | | 8.8 | | 50.3 | | 57.7 | K | 9.3 | | 18.6 | | 27.1 | | 9.5 | | 28.8 | | 27.3 | B | 9.5 | | 18.5 | | 35.8 | |
| 8.4 | | 34.1 | | 34.2 | | 7.0 | | 52.2 | | 44.2 | K | 9.0 | | 19.5 | | 3.0 | | 9.5 | | 34.3 | | 3.5 | | 9.5 | | 21.0 | | 47.8 | B |
| 9.5 | | 34.3 | | 49.7 | | 9.4 | 26 | 5.3 | | 3.8 | B | 9.0 | | 23.4 | | 49.6 | K | 9 5 | | 42.9 | | 20.0 | B | 9.5 | | 21.0 | | 11.7 | R |
| 9.0 | 12 | 4.4 | | 7.9 | | 8.8 | | 17.3 | | 52.8 | K | 9.2 | 41 | 8.5 | | 56.6 | | 8.8 | | 48.3 | | 43.3 | | 9.5 | | 46.4 | | 34.7 | |
| | | + | | + | | | | + | | + | | | | + | | + | | | | + | | + | | | | + | |
| 10pr. | | 26.90 | | 2.41 | 10pr. | | 27.13 | | 2.55 | 10pr. | | 27.39 | | 2.67 | 10pr. | | 27.76 | | 2.83 | 10pr. | | 28.04 | | 2.92 | |

| 4452a | | | | |
|---|---|---|---|---|
| 9.5 | 32 | 33.0 | 11.5 | B |

| m | 22s | +22° | | m | 22s | +22° | | m | 22s–23s | +22° | | m | 23s | +22° | | m | 23s | +22° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4601—4660 | | | | 4661—4720 | | | | 4721—4780 | | | | 4781—4840 | | | | 4841—4900 | | |
| | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | |
| 6.7 | 9 50.9 | 10.9 | K | 9.5 | 26 15.9 | 27.0 | | 9.5 | 44 3.2 | 10.6 | | 7.8 | 1 13.0 | 14.7 | K | 9.0 | 21 6.3 | 58.3 | B |
| 9.4 | 10 15.6 | 51.7 | | 9.4 | 36.8 | 44.6 | | 9.5 | 15.9 | 30.9 | | 9.1 | 36.1 | 11.2 | | 8.8 | 8.6 | 3.0 | |
| 9.5 | 48.9 | 8.7 | | 9.4 | 49.5 | 2.1 | | 9.4 | 32.9 | 12.5 | | 9.3 | 42.5 | 48.2 | | 9.2 | 8.6 | 54.5 | |
| 9.1 | 54.6 | 20.6 | | 9.5 | 27 27.1 | 45.9 | | 9.4 | 45 0.3 | 29.7 | B | 9.3 | 45.6 | 21.2 | | 6.8 | 53.7 | 15.7 | K |
| 9.3 | 58.5 | 11.8 | | 9.5 | 40.1 | 10.2 | | 9.2 | 1.5 | 38.8 | | 9.2 | 52.2 | 6.5 | | 9.1 | 22 20.4 | 38.9 | Bb |
| 9.4 | 11 17.8 | 5.2 | B | 9.0 | 50.0 | 33.9 | | 8.4 | 17.1 | 6.4 | Kb | 7.7 | 2 27.7 | 48.4 | K | 8.6 | 25.8 | 21.2 | |
| 9.5 | 20.4 | 32.6 | | 9.0 | 28 14.2 | 31.1 | | 8.3 | 21.9 | 18.1 | | 9.0 | 39.0 | 54.0 | | 9.4 | 23 5.2 | 0.7 | |
| 9.2 | 22.6 | 51.0 | | 9.5 | 32.8 | 48.4 | | 9.3 | 46 13.5 | 35.8 | | 9.5 | 3 8.5 | 41.6 | | 9.3 | 11.4 | 6.2 | |
| 9.5 | 40.9 | 3.7 | | 9.4 | 49.3 | 13.2 | | 7.8 | 31.2 | 38.2 | K | 9.5 | 25.6 | 27.8 | | 8.5 | 24 0.3 | 47.1 | |
| 9.5 | 42.5 | 15.5 | | 9.5 | 29 6.9 | 29.7 | B | 9.1 | 47.3 | 1.0 | | 9.5 | 4 22.8 | 13.8 | B | 9.5 | 26.6 | 22.0 | |
| 9.5 | 12 1.1 | 53.9 | | 8.5 | 8.4 | 34.3 | K | 9.5 | 51.6 | 57.1 | | 9.5 | 29.2 | 34.2 | | 9.4 | 32.3 | 34.8 | |
| 9.1 | 3.3 | 7.1 | b | 9.5 | 30.1 | 55.6 | | 9.3 | 47 0.5 | 5.1 | | 9.3 | 5 52.3 | 58.7 | | 9.5 | 33.1 | 30.3 | B |
| 9.4 | 5.6 | 9.2 | | 8.5 | 32.4 | 30.9 | K | 9.3 | 9.4 | 44.0 | | 8.0 | 6 10.2 | 33.1 | Bb | 9.5 | 33.2 | 17.1 | |
| 9.0 | 12.6 | 46.7 | | 9.5 | 50.0 | 45.0 | | 9.5 | 17.4 | 59.8 | | 8.3 | 7 7.0 | 22.7 | b | 8.5 | 39.4 | 51.2 | |
| 9.4 | 56.7 | 6.3 | | 9.1 | 50.8 | 23.5 | B | 9.5 | 39.1 | 23.5 | B | 9.5 | 40.0 | 39.5 | | 9.5 | 56.0 | 35.3 | |
| 9.5 | 13 45.9 | 30.5 | | 9.5 | 58.4 | 4.7 | | 9.5 | 48 4.9 | 42.3 | | 9.5 | 8 49.4 | 19.9 | | 9.5 | 25 19.5 | 56.8 | B |
| 9.5 | 46.3 | 4.7 | | 6.5 | 30 18.3 | 44.5 | K | 8.5 | 13.2 | 12.7 | | 9.5 | 9 47.1 | 51.6 | | 9.5 | 37.4 | 17.9 | |
| 7.8 | 52.9 | 19.5 | K | 9.5 | 31 50.2 | 7.1 | | 9.1 | 31.5 | 23.7 | | 9.1 | 10 15.5 | 4.3 | B | 9.5 | 54.1 | 11.7 | |
| 9.3 | 14 6.6 | 29.2 | | 9.5 | 59.8 | 23.6 | | 9.5 | 39.2 | 59.7 | | 9.5 | 35.3 | 11.9 | | 9.4 | 26 11.0 | 26.8 | |
| 9.5 | 37.8 | 0.1 | | 9.5 | 32 1.4 | 54.9 | | 9.5 | 58.6 | 40.5 | | 9.4 | 56.0 | 13.5 | B | 8.9 | 39.8 | 54.1 | |
| 9.1 | 52.5 | 31.9 | b | 9.4 | 4.5 | 7.4 | B | 9.4 | 59.5 | 1.7 | | 8.2 | 57.1 | 0.0 | K | 9.4 | 57.2 | 49.4 | |
| 9.5 | 15 2.3 | 36.9 | | 9.5 | 17.4 | 36.7 | | 6.8 | 49 21.2 | 9.9 | K | 9.5 | 11 24.7 | 34.3 | B | 9.0 | 27 3.7 | 38.1 | |
| 9.5 | 39.4 | 40.3 | | 8.9 | 37.4 | 51.0 | K | 9.5 | 50 15.3 | 44.3 | | 9.5 | 37.3 | 28.5 | | 9.4 | 44.5 | 1.2 | |
| 9.4 | 49.9 | 41.8 | B | 9.5 | 56.8 | 38.7 | | 8.0 | 47.0 | 52.9 | B | 8.5 | 44.4 | 3.6 | K | 9.4 | 50.4 | 11.5 | |
| 9.4 | 55.5 | 12.7 | | 6.9 | 59.2 | 7.4 | K | 8.1 | 52 3.2 | 27.8 | R | 9.3 | 44.4 | 7.6 | | 9.2 | 52.0 | 40.6 | |
| 9.0 | 16 30.1 | 15.7 | B | 9.3 | 33 11.5 | 55.6 | | 9.5 | 35.9 | 6.0 | | 9.2 | 47.0 | 23.0 | | 9.4 | 53.9 | 19.8 | B |
| 9.5 | 43.9 | 24.0 | | 9.5 | 14.3 | 10.9 | B | 9.1 | 36.4 | 32.3 | | 8.4 | 52.5 | 15.8 | | 9.3 | 56.1 | 37.9 | |
| 9.5 | 17 38.6 | 53.7 | B | 9.5 | 22.7 | 17.8 | | 9.5 | 39.3 | 17.5 | | 6.3 | 13 1.6 | 17.2 | K | 9.0 | 28 2.7 | 53.7 | |
| 9.2 | 46.9 | 53.7 | Bb | 9.5 | 28.6 | 33.6 | | 9.3 | 41.0 | 9.4 | | 8.8 | 5.0 | 29.6 | | 9.5 | 16.5 | 26.1 | |
| 9.5 | 58.0 | 44.2 | | 9.5 | 38.4 | 8.8 | | 9.5 | 47.9 | 50.5 | | 5.0 | 29.5 | 56.8 | K | 9.0 | 23.6 | 11.5 | Rb |
| 9.5 | 58.9 | 51.7 | | 7.5 | 34 15.6 | 6.0 | Kb | 8.8 | 53 11.9 | 38.4 | | 8.8 | 14 0.4 | 13.0 | | 9.5 | 23.9 | 3.5 | |
| 9.5 | 18 6.5 | 48.6 | | 9.0 | 21.4 | 34.9 | B | 9.3 | 17.5 | 57.8 | Kb | 9.4 | 39.0 | 21.3 | | 8.8 | 54.8 | 43.8 | K |
| 9.2 | 7.7 | 59.1 | B | 8.9 | 26.4 | 27.4 | | 9.5 | 26.6 | 55.6 | | 9.1 | 39.5 | 27.5 | B | 9.3 | 29 11.4 | 35.0 | |
| 9.5 | 18.6 | 15.9 | | 9.4 | 43.1 | 15.5 | | 9.5 | 31.1 | 27.4 | | 9.4 | 41.7 | 29.0 | | 9.1 | 30.9 | 58.4 | K |
| 8.9 | 19.2 | 7.0 | | 9.1 | 47.8 | 13.5 | B | 9.1 | 43.9 | 30.5 | | 9.3 | 42.9 | 53.0 | | 9.4 | 59.2 | 6.8 | |
| 9.4 | 24.6 | 57.3 | | 9.2 | 35 9.7 | 53.3 | | 9.5 | 51.0 | 5.6 | | 7.5 | 15 4.6 | 45.9 | K | 8.4 | 30 6.3 | 47.0 | |
| 9.1 | 34.5 | 4.5 | | 8.9 | 16.2 | 28.8 | | 8.3 | 54 11.2 | 35.4 | B | 9.5 | 6.2 | 54.8 | | 9.5 | 44.0 | 25.6 | |
| 9.1 | 19 13.3 | 55.4 | | 7.7 | 36 8.2 | 15.4 | K | 9.5 | 18.7 | 9.3 | | 9.0 | 14.1 | 35.8 | | 9.5 | 44.2 | 22.7 | |
| 9.1 | 16.7 | 32.1 | Bb | 9.4 | 23.5 | 24.7 | | 9.0 | 26.5 | 39.7 | B | 9.3 | 19.9 | 27.5 | | 8.8 | 31 28.7 | 43.8 | |
| 9.4 | 29.9 | 34.9 | | 9.1 | 39.1 | 19.5 | R | 6.9 | 31.5 | 17.2 | L | 9.5 | 55.7 | 11.0 | B | 6.8 | 33.1 | 30.8 | K |
| 9.5 | 43.4 | 18.9 | | 9.1 | 44.8 | 25.0 | | 8.3 | 55 10.2 | 57.2 | K | 9.5 | 16 17.4 | 4.5 | | 9.4 | 55.8 | 6.4 | B |
| 7.2 | 52.4 | 4.5 | K | 9.1 | 37 37.1 | 24.3 | | 6.0 | 19.3 | 32.5 | K | 8.7 | 38.6 | 48.6 | Bb | 9.5 | 55.8 | 10.2 | |
| 9.4 | 20 54.7 | 10.7 | | 9.4 | 45.4 | 27.4 | | 6.6 | 41.9 | 23.0 | Kb | 9.3 | 58.2 | 55.7 | | 9.1 | 59.6 | 26.8 | |
| 9.5 | 21 10.6 | 32.3 | | 9.5 | 38 1.9 | 2.3 | | 8.9 | 59.3 | 11.6 | | 8.7 | 58.8 | 27.1 | | 9.5 | 32 0.2 | 51.5 | |
| 8.2 | 20.1 | 47.0 | S | 9.5 | 15.3 | 3.3 | | 8.6 | 56 13.0 | 29.9 | K | 9.5 | 17 3.3 | 8.3 | | 9.2 | 11.2 | 58.4 | Kb |
| 8.8 | 22 0.4 | 28.8 | R | 9.5 | 26.0 | 44.7 | B | 9.5 | 20.6 | 20.2 | | 9.1 | 4.8 | 3.0 | | 9.5 | 34.4 | 53.1 | |
| 9.5 | 30.9 | 26.3 | | 8.7 | 37.4 | 19.8 | K | 7.3 | 32.3 | 36.4 | K | 7.2 | 10.0 | 57.5 | R | 9.5 | 41.7 | 34.2 | |
| 9.0 | 23 2.2 | 4.6 | | 9.3 | 39 33.3 | 27.1 | | 8.5 | 36.9 | 44.7 | | 9.0 | 30.5 | 53.9 | | 9.5 | 33 18.2 | 5.2 | |
| 9.0 | 5.1 | 14.1 | K | 3.9 | 34.9 | 48.4 | R | 8.9 | 42.6 | 23.0 | | 7.8 | 35.5 | 40.6 | R | 9.4 | 26.1 | 29.9 | B |
| 9.5 | 10.0 | 18.8 | | 9.4 | 41.5 | 26.0 | | 9.1 | 57 9.9 | 39.8 | | 8.9 | 50.9 | 5.6 | | 9.5 | 34 26.2 | 14.6 | |
| 9.4 | 19.3 | 33.3 | B | 9.5 | 40 8.4 | 34.7 | | 9.5 | 33.3 | 56.4 | | 8.1 | 55.0 | 16.2 | K | 9.5 | 35 31.7 | 3.2 | |
| 9.4 | 20.1 | 14.5 | B | 9.0 | 37.4 | 4.4 | | 9.5 | 43.6 | 33.3 | | 8.5 | 58.0 | 43.6 | K | 9.4 | 58.9 | 31.8 | |
| 9.4 | 31.5 | 29.6 | | 9.5 | 49.7 | 21.9 | | 9.1 | 58 32.5 | 41.3 | b | 4.5 | 18 8.7 | 36.7 | K | 8.9 | 36 5.8 | 17.0 | b |
| 9.3 | 52.3 | 9.0 | | 9.2 | 41 23.7 | 34.7 | b | 8.9 | 39.3 | 4.9 | | 8.7 | 51.1 | 56.1 | K | 9.0 | 23.3 | 35.0 | |
| 9.5 | 25 19.8 | 53.9 | | 9.3 | 42 7.8 | 19.4 | | 9.3 | 59 41.5 | 25.1 | B | 8.6 | 19 25.8 | 53.7 | K | 9.3 | 32.1 | 51.0 | |
| 8.8 | 24.1 | 34.2 | | 9.5 | 12.5 | 39.5 | | 9.5 | 50.9 | 4.2 | | 9.5 | 20 19.2 | 59.5 | | 9.5 | 37 17.9 | 43.9 | |
| 9.5 | 32.2 | 57.3 | | 9.3 | 26.9 | 50.3 | | 9.4 | 54.8 | 7.7 | B | 9.5 | 40.9 | 11.6 | | 9.5 | 45.8 | 22.3 | |
| 9.4 | 39.4 | 30.1 | | 9.5 | 30.4 | 1.5 | B | 8.9 | 56.1 | 49.9 | | 8.4 | 44.2 | 47.8 | K | 9.4 | 48.5 | 55.6 | |
| 8.4 | 40.1 | 38.7 | K | 9.5 | 43 33.3 | 2.7 | | 9.5 | 0 31.2 | 59.5 | | 8.8 | 51.3 | 47.2 | Kb | 9.3 | 48.9 | 49.4 | |
| 8.5 | 46.9 | 46.6 | K | 9.2 | 57.6 | 56.1 | | 8.8 | 36.0 | 15.8 | | 9.5 | 54.9 | 48.9 | B | 9.3 | 38 48.5 | 6.4 | b |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 28.34 | 3.02 | | 10pr. | 28.69 | 3.11 | | 10pr. | 29.13 | 3.20 | | 10pr. | 29.61 | 3.27 | | 10pr. | 29.96 | 3.31 | |

4901—4912

| m | 23ʰ | +22° | |
|---|---|---|---|
| 9.5 | 38′ 57.0″ | 6.0 | |
| 7.8 | 39 5.6 | 39.1 | K |
| 9.5 | 22.9 | 23.0 | |
| 9.1 | 29.5 | 45.1 | |
| 9.5 | 40 2.7 | 24.3 | |
| 9.4 | 41 13.9 | 42.5 | |
| 9.3 | 42.4 | 36.7 | |
| 6.6 | 58.9 | 2.6 | K |
| 8.5 | 42 7.1 | 36.7 | |
| 9.2 | 17.8 | 0.4 | |
| 9.5 | 26.2 | 9.4 | |
| 7.9 | 49.4 | 59.9 | K |

4913—4924

| m | 23ʰ | +22° | |
|---|---|---|---|
| 9.3 | 43′ 23.1″ | 43.3 | |
| 8.8 | 44 1.0 | 29.5 | K |
| 9.0 | 14.1 | 13.4 | |
| 9.2 | 16.5 | 34.8 | B |
| 9.5 | 45.1 | 14.6 | |
| 9.3 | 46.1 | 8.5 | B |
| 8.8 | 45 19.4 | 9.8 | K |
| 8.6 | 44.1 | 16.9 | K |
| 9.5 | 56.4 | 48.5 | |
| 9.5 | 57.6 | 53.8 | |
| 9.5 | 46 24.4 | 58.7 | B |
| 8.5 | 43.9 | 41.6 | |

4925—4936

| m | 23ʰ | +22° | |
|---|---|---|---|
| 9.5 | 46′ 56.5″ | 22.8 | |
| 9.3 | 47 5.7 | 6.7 | |
| 9.1 | 6.3 | 5.9 | B |
| 9.5 | 33.2 | 9.0 | |
| 8.9 | 41.4 | 16.3 | Rb |
| 8.0 | 48 41.9 | 38.4 | B |
| 8.2 | 45.3 | 4.8 | B |
| 9.4 | 49 58.5 | 24.0 | |
| 9.3 | 50 3.1 | 44.4 | |
| 9.3 | 17.8 | 20.7 | B |
| 8.8 | 24.4 | 4.1 | |
| 8.8 | 51 43.6 | 38.3 | |
| | + | + | |
| 10pr. | 30.45 | 3.34 | |

4937—4947

| m | 23ʰ | +22° | |
|---|---|---|---|
| 9.5 | 52′ 21.6″ | 18.0 | |
| 9.5 | 39.9 | 15.2 | |
| 8.0 | 50.4 | 43.3 | K |
| 7.8 | 53 23.5 | 43.4 | K |
| 8.6 | 27.7 | 56.1 | K |
| 9.5 | 54 12.1 | 1.9 | |
| 8.2 | 37.5 | 58.9 | K |
| 9.5 | 55 50.9 | 27.9 | |
| 8.8 | 55.3 | 42.7 | K |
| 8.8 | 58.0 | 45.8 | K |
| 9.2 | 56 6.4 | 59.8 | |

4948—4957

| m | 23ʰ | +22° | |
|---|---|---|---|
| 9.5 | 56′ 20.7″ | 31.4 | |
| 9.5 | 46.3 | 17.3 | |
| 7.5 | 57 27.0 | 27.9 | Kb |
| 9.4 | 58 3.4 | 57.0 | |
| 8.9 | 43.3 | 57.5 | |
| 9.5 | 59 7.0 | 30.5 | |
| 8.5 | 20.5 | 40.7 | Kb |
| 7.7 | 35.4 | 1.9 | K |
| 8.8 | 50.0 | 49.5 | K |
| 9.2 | 58.2 | 20.7 | |

---

# Zone +23°

1—20

| m | 0ʰ | +23° | |
|---|---|---|---|
| 9.5 | 0′ 1.7″ | 47.1 | |
| 8.5 | 5.0 | 30.6 | K |
| 9.5 | 13.0 | 6.5 | B |
| 9.5 | 1 25.8 | 59.2 | |
| 9.0 | 47.6 | 5.5 | |
| 9.5 | 2 28.1 | 55.0 | |
| 8.8 | 3 12.7 | 26.8 | K |
| 9.4 | 19.2 | 59.6 | |
| 8.9 | 35.7 | 11.0 | |
| 8.0 | 57.6 | 0.9 | K |
| 9.5 | 4 57.1 | 27.5 | |
| 8.0 | 5 4.1 | 49.9 | K |
| 9.5 | 16.2 | 40.2 | |
| 9.5 | 18.1 | 53.7 | |
| 9.5 | 28.3 | 47.4 | |
| 9.5 | 6 4.6 | 10.6 | |
| 9.5 | 15.3 | 56.5 | |
| 9.4 | 32.4 | 30.8 | |
| 9.5 | 34.6 | 34.0 | |
| 8.9 | 7 4.0 | 49.8 | |
| | + | + | |
| 10pr. | 30.84 | 3.34 | |

21—40

| m | 0ʰ | +23° | |
|---|---|---|---|
| 9.4 | 7′ 7.4″ | 59.2 | |
| 9.0 | 17.7 | 45.3 | |
| 8.5 | 18.8 | 36.8 | |
| 9.4 | 47.0 | 29.3 | |
| 8.9 | 56.0 | 15.8 | B |
| 9.4 | 8 12.4 | 55.4 | |
| 9.5 | 55.3 | 49.2 | |
| 9.0 | 9 9.0 | 46.5 | K |
| 9.5 | 15.2 | 7.5 | |
| 8.1 | 44.9 | 51.8 | K |
| 9.3 | 10 6.4 | 15.5 | |
| 9.0 | 45.5 | 44.0 | K |
| 9.0 | 11 50.0 | 57.8 | |
| 8.5 | 12 0.7 | 55.9 | K |
| 8.9 | 13.4 | 13.7 | K |
| 9.3 | 34.6 | 55.6 | |
| 9.0 | 35.9 | 50.9 | |
| 7.0 | 43.2 | 52.2 | K |
| 9.0 | 48.1 | 20.2 | K |
| 8.8 | 49.7 | 31.6 | K |
| | + | + | |
| 10pr. | 30.98 | 3.34 | |

41—60

| m | 0ʰ | +23° | |
|---|---|---|---|
| 8.5 | 13′ 53.5″ | 52.9 | |
| 9.5 | 14 29.7 | 15.0 | |
| 7.3 | 45.1 | 52.9 | K |
| 9.3 | 15 4.4 | 45.7 | a |
| 8.5 | 9.6 | 46.0 | B |
| 9.0 | 10.0 | 5.3 | K |
| 8.9 | 27.8 | 0.0 | R |
| 9.4 | 52.6 | 48.5 | |
| 9.5 | 16 34.1 | 41.6 | |
| 9.2 | 17 19.0 | 22.0 | |
| 9.2 | 30.4 | 36.6 | B |
| 8.2 | 34.1 | 46.7 | K |
| 9.0 | 34.8 | 26.0 | B |
| 8.5 | 18 32.0 | 11.0 | |
| 9.2 | 48.9 | 5.5 | |
| 7.2 | 49.1 | 56.1 | K |
| 9.3 | 19 3.0 | 53.2 | B |
| 8.0 | 18.6 | 49.7 | K |
| 9.2 | 19.3 | 6.2 | |
| 8.7 | 31.9 | 10.3 | Kb |
| | + | + | |
| 10pr. | 31.17 | 3.33 | |

61—80

| m | 0ʰ | +23° | |
|---|---|---|---|
| 9.5 | 19′ 54.3″ | 35.0 | B |
| 9.4 | 20 2.6 | 31.5 | |
| 8.5 | 21 28.1 | 14.7 | K |
| 9.3 | 55.5 | 55.0 | |
| 8.5 | 22 33.7 | 49.5 | K |
| 8.0 | 55.1 | 18.1 | L |
| 8.8 | 59.4 | 8.2 | R |
| 9.5 | 23 20.1 | 37.0 | |
| 9.1 | 24.2 | 14.0 | |
| 8.5 | 24 3.5 | 16.8 | K |
| 9.1 | 30.4 | 31.3 | |
| 8.9 | 53.1 | 5.1 | K |
| 9.3 | 54.7 | 25.7 | B |
| 9.1 | 25 6.2 | 25.5 | Bb |
| 8.8 | 8.0 | 54.8 | |
| 9.0 | 26 29.5 | 51.5 | K |
| 9.3 | 40.8 | 54.2 | K |
| 9.3 | 48.4 | 22.6 | |
| 9.5 | 27 26.1 | 50.2 | |
| 8.9 | 49.7 | 43.3 | K |
| | + | + | |
| 10pr. | 31.34 | 3.32 | |

81—100

| m | 0ʰ | +23° | |
|---|---|---|---|
| 9.4 | 28′ 3.8″ | 50.9 | |
| 7.0 | 32.1 | 14.4 | K |
| 9.3 | 29 12.0 | 28.2 | B |
| 6.0 | 29.2 | 13.0 | K |
| 9.2 | 33.8 | 18.2 | B |
| 9.5 | 30 9.0 | 54.7 | |
| 9.5 | 31 23.4 | 31.9 | |
| 8.5 | 32 0.1 | 45.6 | K |
| 9.5 | 10.8 | 26.8 | |
| 9.0 | 15.1 | 38.5 | |
| 9.1 | 35.9 | 4.4 | |
| 6.5 | 41.4 | 15.4 | K |
| 8.0 | 52.0 | 47.8 | K |
| 6.0 | 33 56.5 | 50.8 | Kb |
| 9.5 | 34 10.6 | 29.8 | |
| 8.1 | 30.7 | 19.9 | K |
| 9.5 | 35 59.5 | 5.0 | |
| 9.3 | 37 4.6 | 56.6 | |
| 9.5 | 10.4 | 40.6 | |
| 9.4 | 44.7 | 54.3 | |
| | + | + | |
| 10pr. | 31.54 | 3.31 | |

+23°

0°—2°

| 101—160 | | | | | 161—220 | | | | | 221—280 | | | | | 281—340 | | | | | 341—400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0m—1m | | +23° | | | 1m | | +23° | | | 1m | | +23° | | | 1m—2m | | +23° | | | 2m | | +23° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 38 | 8.8 | 55.4 | | 9.5 | 7 | 39.9 | 4.1 | | 9.0 | 32 | 0.4 | 1.1 | K | 9.2 | 56 | 34.1 | 28.3 | B | 9.2 | 27 | 8.6 | 13.6 | Kb |
| 8.7 | | 13.0 | 3.2 | R | 9.3 | | 43.3 | 23.5 | | 8.0 | 33 | 29.6 | 26.7 | K | 9.5 | | 48.9 | 16.1 | | 9.7 | | 37.0 | 9.2 | |
| 8.7 | | 37.8 | 30.7 | K | 9.1 | 8 | 3.3 | 37.0 | | 9.1 | 34 | 14.0 | 38.0 | Bb | 9.5 | 57 | 16.5 | 56.1 | B | 9.5 | | 38.1 | 54.5 | |
| 9.4 | | 48.7 | 45.2 | | 9.3 | | 14.9 | 27.7 | | 9.5 | | 30.7 | 51.5 | | 9.2 | | 32.1 | 13.7 | K | 9.5 | | 53.2 | 22.0 | |
| 9.5 | | 54.9 | 9.0 | | 9.3 | | 21.4 | 54.0 | | 9.5 | | 34.3 | 54.7 | | 7.3 | 58 | 20.7 | 38.7 | R | 9.3 | 28 | 35.8 | 33.6 | |
| 3.9 | 39 | 41.1 | 28.3 | K | 9.5 | | 27.8 | 17.4 | | 9.0 | | 44.7 | 37.2 | B | 9.5 | 59 | 33.0 | 31.3 | | 9.2 | | 54.6 | 35.0 | b |
| 9.4 | | 42.0 | 37.9 | | 8.8 | | 32.5 | 0.7 | | 9.3 | | 45.2 | 38.0 | B | 8.2 | 0 | 3.4 | 14.6 | K | 9.3 | 30 | 41.4 | 25.8 | |
| 9.3 | | 48.6 | 36.0 | | 9.2 | | 50.4 | 44.6 | B | 9.5 | 35 | 25.6 | 31.9 | | 9.3 | 1 | 4.1 | 36.9 | Kb | 9.5 | | 47.1 | 52.8 | |
| 9.5 | | 53.1 | 6.6 | | 9.5 | | 55.0 | 1.9 | | 9.1 | 36 | 43.5 | 6.3 | Kb | 9.5 | | 10.5 | 8.4 | B | 8.6 | | 52.0 | 41.6 | K |
| 8.6 | 40 | 35.2 | 3.0 | K | 9.0 | 9 | 1.9 | 26.3 | Kb | 9.0 | . | 50.5 | 55.2 | | 9.2 | 2 | 4.4 | 19.1 | | 8.8 | 31 | 12.8 | 50.2 | K |
| 9.5 | | 46.7 | 43.2 | | 9.0 | | 29.0 | 32.9 | K | 9.2 | 37 | 29.8 | 1.2 | | 9.4 | | 14.1 | 59.0 | | 9.1 | | 29.4 | 15.3 | |
| 9.5 | | 58.0 | 14.0 | | 9.5 | | 44.4 | 4.8 | | 9.5 | | 59.7 | 36.9 | | 9.5 | | 17.7 | 54.0 | B | 9.2 | | 53.6 | 40.0 | K |
| 8.9 | 41 | 46.0 | 30.8 | | 8.3 | 10 | 20.0 | 6.6 | B | 9.5 | 38 | 14.1 | 38.3 | | 8.0 | | 45.5 | 7.0 | Kb | 9.0 | 32 | 38.0 | 44.1 | K |
| 9.5 | 42 | 11.8 | 39.5 | | 9.1 | | 39.2 | 59.3 | b | 9.4 | | 40.7 | 2.5 | | 9.4 | 3 | 9.9 | 13.0 | | 8.9 | | 47.1 | 57.6 | |
| 9.2 | | 27.2 | 9.2 | Kb | 8.8 | 11 | 11.4 | 50.8 | | 9.3 | 39 | 9.6 | 1.6 | | 8.5 | | 12.1 | 51.4 | K | 9.5 | | 58.6 | 2.8 | |
| 9.3 | | 48.7 | 1.8 | K | 8.5 | | 30.0 | 38.4 | Kb | 8.3 | | 10.8 | 39.5 | | 8.1 | 4 | 3.6 | 17.1 | K | 9.0 | 33 | 25.8 | 28.2 | B |
| 8.0 | | 53.9 | 25.5 | B | 9.5 | 12 | 2.8 | 52.8 | | 9.5 | | 38.3 | 14.0 | | 6.7 | | 26.8 | 29.9 | K | 9.0 | | 44.1 | 54.9 | K |
| 9.4 | 43 | 6.3 | 9.4 | | 9.2 | 13 | 16.4 | 5.8 | | 9.5 | 40 | 36.4 | 20.8 | | 9.1 | | 36.2 | 24.2 | B | 9.4 | | 56.4 | 19.4 | |
| 9.5 | | 13.4 | 29.8 | | 9.5 | | 29.6 | 45.0 | | 9.4 | | 44.5 | 24.3 | | 9.4 | 5 | 41.9 | 35.3 | | 9.3 | 34 | 55.5 | 18.1 | |
| 9.5 | | 36.0 | 9.1 | | 8.7 | 14 | 16.2 | 53.4 | L | 9.3 | | 46.4 | 7.2 | | 9.1 | | 50.8 | 1.3 | K | 9.3 | 35 | 5.9 | 41.7 | |
| 9.3 | 44 | 40.4 | 52.8 | | 9.0 | 15 | 0.0 | 11.2 | | 8.4 | | 48.5 | 14.0 | K | 9.0 | 6 | 19.8 | 40.6 | K | 9.3 | | 10.0 | 24.2 | |
| 9.5 | | 54.9 | 46.4 | | 9.0 | | 6.9 | 26.4 | | 8.8 | 41 | 9.9 | 45.7 | | 9.5 | 7 | 5.5 | 4.8 | | 7.3 | | 17.8 | 27.4 | K |
| 8.5 | 46 | 29.2 | 16.7 | L | 9.0 | | 21.4 | 51.5 | L | 9.3 | | 24.0 | 24.3 | | 6.5 | | 7.6 | 37.4 | K | 8.8 | | 19.6 | 28.5 | K |
| 9.5 | | 50.3 | 31.2 | | 8.0 | | 21.8 | 44.6 | L | 8.0 | | 24.1 | 57.6 | K | 8.8 | | 49.5 | 26.5 | | 9.4 | | 32.3 | 1.4 | |
| 7.5 | 47 | 18.4 | 18.1 | K | 9.5 | | 25.0 | 19.8 | | 9.5 | 42 | 22.4 | 22.6 | | 8.8 | 8 | 10.8 | 10.7 | K | 9.5 | | 45.4 | 8.3 | |
| 6.8 | | 29.7 | 46.3 | K | 8.8 | | 52.0 | 33.6 | K | 7.0 | 43 | 9.4 | 55.5 | K | 9.1 | | 20.9 | 55.8 | b | 7.6 | 36 | 24.1 | 34.4 | K |
| 8.1 | 48 | 2.7 | 2.3 | K | 8.7 | 16 | 38.5 | 10.9 | K | 9.0 | | 27.3 | 23.6 | | 6.8 | 9 | 0.5 | 6.1 | K | 9.5 | 37 | 2.5 | 51.5 | |
| 9.3 | | 32.4 | 30.1 | | 8.8 | 17 | 9.0 | 38.4 | K | 9.3 | | 36.7 | 39.5 | | 7.8 | | 2.9 | 12.6 | K | 9.0 | | 5.8 | 51.3 | B |
| 9.0 | | 33.5 | 49.8 | | 9.5 | | 47.2 | 16.0 | | 9.3 | | 47.4 | 7.7 | | 9.3 | | 50.4 | 36.5 | b | 6.8 | 39 | 10.0 | 2.2 | K |
| 9.0 | | 39.9 | 9.8 | K | 9.5 | 18 | 19.3 | 37.7 | | 9.2 | | 50.9 | 58.9 | | 9.5 | | 59.8 | 14.3 | | 9.2 | | 34.7 | 17.9 | B |
| 9.5 | 49 | 22.2 | 57.6 | | 9.0 | | 35.4 | 43.5 | | 9.3 | 44 | 6.2 | 13.2 | B | 9.5 | 10 | 32.9 | 41.7 | | 9.3 | 40 | 56.3 | 24.6 | |
| 9.1 | | 57.6 | 55.6 | K | 9.5 | 19 | 3.0 | 12.9 | | 7.2 | | 8.4 | 24.6 | K | 9.4 | 11 | 20.1 | 2.3 | | 8.2 | 42 | 5.3 | 4.1 | K |
| 9.4 | 50 | 35.9 | 50.8 | | 9.5 | | 26.4 | 53.3 | | 9.5 | 45 | 55.1 | 28.0 | | 9.5 | | 41.4 | 24.6 | | 9.2 | | 23.1 | 43.0 | Kb |
| 8.0 | | 43.3 | 43.9 | K | 9.3 | 20 | 5.0 | 17.4 | | 8.5 | 46 | 6.6 | 25.7 | K | 9.5 | 13 | 50.9 | 46.1 | | 9.3 | | 24.3 | 50.7 | |
| 8.9 | | 57.7 | 54.0 | K | 9.0 | | 28.3 | 38.4 | K | 9.3 | | 22.9 | 26.2 | B | 9.2 | 14 | 35.8 | 25.8 | K | 7.8 | | 32.6 | 8.9 | K |
| 9.3 | 51 | 4.6 | 5.1 | | 9.0 | | 59.0 | 27.0 | | 9.5 | | 28.0 | 54.5 | | 9.0 | 15 | 36.8 | 40.2 | R | 9.4 | 44 | 8.3 | 35.3 | B |
| 9.3 | | 56.9 | 55.2 | | 9.4 | 21 | 32.9 | 34.0 | | 9.5 | 47 | 32.5 | 23.6 | | 9.5 | 16 | 27.1 | 56.5 | | 9.4 | | 11.3 | 31.0 | |
| 9.3 | 53 | 47.3 | 21.2 | K | 9.2 | | 40.5 | 35.3 | | 9.5 | | 40.6 | 43.2 | | 9.4 | | 48.2 | 9.5 | R | 9.1 | 45 | 26.2 | 56.8 | K |
| 9.0 | 54 | 3.5 | 0.5 | | 9.0 | | 45.6 | 28.8 | | 9.5 | 48 | 7.9 | 33.6 | | 9.0 | 17 | 23.9 | 37.5 | K | 8.9 | 46 | 4.8 | 16.3 | K |
| 9.2 | | 23.5 | 58.4 | | 9.5 | 22 | 37.1 | 2.5 | | 9.0 | | 40.6 | 26.7 | | 9.4 | | 30.1 | 59.9 | | 9.1 | | 5.6 | 12.2 | K |
| 9.0 | | 24.2 | 51.3 | K | 9.5 | 24 | 28.5 | 31.0 | B | 8.8 | | 42.0 | 15.3 | | 9.5 | | 39.9 | 58.0 | | 9.5 | | 23.4 | 51.3 | |
| 9.0 | 57 | 34.5 | 42.6 | Kb | 9.5 | | 31.9 | 11.9 | | 9.5 | | 53.7 | 47.4 | | 9.5 | 18 | 37.8 | 5.0 | | 9.5 | | 27.8 | 44.4 | |
| 9.5 | | 36.9 | 4.2 | | 9.3 | | 59.9 | 3.7 | | 9.3 | 49 | 7.6 | 23.9 | B | 8.8 | | 43.1 | 45.4 | K | 9.3 | | 53.9 | 5.3 | |
| 9.4 | | 48.3 | 24.6 | | 7.3 | 25 | 22.8 | 13.3 | K | 9.5 | 50 | 49.4 | 34.7 | | 9.5 | 19 | 41.8 | 1.7 | | 9.5 | 47 | 21.4 | 34.4 | |
| 9.5 | 0 | 41.5 | 4.9 | B | 9.5 | | 49.7 | 27.4 | | 9.2 | | 57.8 | 20.3 | K | 9.5 | | 57.2 | 5.3 | | 9.5 | | 46.1 | 36.0 | |
| 9.4 | 1 | 5.5 | 2.4 | | 9.1 | 26 | 27.0 | 3.7 | | 9.3 | 52 | 2.0 | 45.5 | | 8.6 | | 59.6 | 59.0 | | 9.4 | | 48.1 | 55.1 | |
| 9.3 | | 15.1 | 45.7 | | 9.5 | 27 | 20.6 | 47.8 | | 9.1 | | 3.8 | 8.5 | b | 9.4 | 20 | 1.0 | 51.3 | B | 9.5 | 48 | 18.4 | 5.7 | |
| 8.7 | | 27.3 | 41.2 | K | 9.5 | | 31.0 | 34.3 | | 9.4 | | 8.3 | 53.4 | B | 9.5 | | 21.9 | 56.3 | | 9.4 | | 30.4 | 10.9 | |
| 9.0 | | 51.0 | 43.9 | K | 9.3 | | 36.9 | 8.5 | | 9.2 | | 35.4 | 31.0 | K | 9.4 | | 22.7 | 51.4 | B | 9.5 | | 43.8 | 16.8 | |
| 6.8 | | 51.9 | 2.1 | L | 8.8 | 28 | 17.3 | 37.4 | K | 8.0 | 53 | 3.5 | 43.7 | K | 8.6 | | 33.3 | 13.2 | Kb | 9.3 | 49 | 16.8 | 23.0 | |
| 9.0 | | 58.9 | 29.5 | | 8.8 | | 25.6 | 29.0 | K | 9.1 | | 28.6 | 23.0 | K | 9.5 | 22 | 3.8 | 55.1 | B | 9.4 | | 36.4 | 16.4 | |
| 9.3 | 2 | 12.3 | 9.8 | | 9.3 | | 40.8 | 10.8 | | 9.0 | 54 | 37.9 | 20.3 | B | 9.5 | | 10.0 | 28.2 | | 6.8 | 50 | 11.1 | 34.0 | K |
| 9.5 | | 35.4 | 3.7 | | 9.0 | | 49.1 | 49.0 | | 9.5 | | 57.6 | 49.4 | | 9.3 | | 42.8 | 33.0 | b | 9.4 | 51 | 54.8 | 45.1 | |
| 8.5 | | 55.2 | 45.2 | B | 8.8 | | 54.4 | 39.8 | K | 9.5 | 55 | 3.7 | 1.9 | B | 9.4 | | 44.7 | 51.4 | | 9.4 | 53 | 13.4 | 34.7 | |
| 9.4 | 3 | 14.0 | 59.2 | | 9.0 | 29 | 9.8 | 9.4 | | 9.5 | | 4.8 | 55.2 | | 8.8 | | 51.8 | 4.7 | K | 8.8 | 54 | 27.1 | 12.6 | Kb |
| 9.0 | 4 | 26.9 | 40.9 | | 8.2 | | 35.6 | 53.8 | K | 9.5 | | 27.3 | 28.2 | | 9.5 | 24 | 8.3 | 0.6 | | 9.3 | 55 | 6.3 | 10.8 | B |
| 9.0 | | 31.0 | 45.0 | K | 9.5 | | 40.7 | 30.8 | | 9.3 | | 50.4 | 15.1 | | 9.5 | | 29.1 | 59.0 | | 9.5 | | 23.5 | 5.0 | |
| 4.6 | 5 | 54.1 | 48.5 | Kb | 8.8 | 30 | 0.0 | 43.2 | | 9.3 | | 55.3 | 7.9 | | 9.2 | 25 | 13.7 | 47.4 | | 9.4 | | 25.7 | 12.0 | |
| 9.5 | 6 | 30.7 | 39.0 | | 9.0 | 31 | 12.7 | 41.6 | | 9.5 | 56 | 6.9 | 18.2 | | 8.7 | | 21.2 | 50.6 | B | 9.2 | | 38.9 | 27.8 | K |
| 9.5 | | 41.2 | 6.2 | | 9.1 | | 40.9 | 33.6 | | 9.5 | | 12.5 | 56.0 | | 9.3 | | 59.8 | 5.4 | | 9.5 | 56 | 9.8 | 46.2 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 31.96 | 3.26 | | 10pr. | | 32.67 | 3.15 | | 10pr. | | 33.26 | 3.00 | | 10pr. | | 33.85 | 2.82 | | 10pr. | | 34.46 | 2.56 | |

| 401—460 | | | | | 461—520 | | | | | 521—580 | | | | | 581—640 | | | | | 641—700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵘ—3ᵘ | | +23° | | | 3ᵘ | | +23° | | | 3ᵘ | | +23° | | | 3ᵘ—4ᵘ | | +23° | | | 4ᵘ | | +23° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.7 | 56 | 45.7 | 3.1 | K | 9.2 | 22 | 24.7 | 44.1 | | 9.5 | 37 | 42.5 | 2.0 | | 9.5 | 45 | 44.8 | 56.6 | | 9.5 | 3 | 45.5 | 14.3 | |
| 9.5 | 57 | 39.0 | 25.2 | | 8.1 | 23 | 11.1 | 8.4 | K | 4.5 | | 43.4 | 29.4 | h | 9.5 | | 48.3 | 8.2 | | 7.5 | | 46.7 | 12.7 | K |
| 8.3 | | 53.6 | 42.1 | B | 7.8 | | 30.0 | 9.3 | K | 8.0 | | 50.3 | 47.9 | h | 9.5 | 46 | 15.4 | 45.2 | | 9.5 | | 50.7 | 30.6 | |
| 8.5 | 58 | 4.2 | 39.1 | | 9.1 | | 56.9 | 59.1 | B | 8.4 | | 59.0 | 9.7 | R | 9.1 | | 23.7 | 30.2 | Rb | 9.5 | | 56.1 | 58.4 | |
| 9.1 | | 15.6 | 39.5 | | 9.1 | 24 | 17.7 | 12.8 | K | 9.5 | | 59.7 | 20.2 | | 9.5 | | 35.4 | 2.7 | | 8.0 | 4 | 7.8 | 8.4 | K |
| 9.5 | 59 | 25.0 | 12.4 | | 9.2 | | 50.1 | 0.3 | K | 9.1 | 38 | 1.0 | 39.0 | h | 9.0 | 47 | 10.0 | 23.3 | | 9.5 | | 53.6 | 36.1 | |
| 7.8 | | 27.0 | 6.6 | K | 9.1 | 25 | 10.9 | 20.5 | R | 9.5 | | 19.5 | 8.1 | | 9.4 | | 16.7 | 55.5 | | 9.3 | 5 | 27.4 | 20.7 | |
| 9.3 | | 43.3 | 11.0 | | 9.1 | | 17.2 | 3.1 | | 8.5 | | 27.7 | 32.7 | h | 9.3 | | 24.0 | 55.3 | | 7.0 | | 46.7 | 20.5 | K |
| 8.8 | | 47.3 | 46.0 | | 7.8 | | 18.7 | 20.5 | K | 9.2 | | 31.2 | 49.5 | | 8.6 | 48 | 1.4 | 10.4 | K | 8.0 | | 52.2 | 13.0 | R |
| 9.5 | 0 | 40.9 | 19.1 | B | 7.8 | | 19.1 | 45.0 | B | 9.0 | | 34.1 | 19.7 | h | 9.5 | | 26.0 | 46.1 | | 9.0 | | 54.2 | 1.1 | K |
| 9.5 | | 44.1 | 21.1 | | 8.8 | | 30.0 | 48.8 | | 8.5 | | 40.0 | 40.4 | h | 9.5 | | 55.4 | 58.6 | | 9.4 | 6 | 1.1 | 19.2 | |
| 9.5 | | 47.3 | 49.6 | B | 9.0 | | 32.6 | 50.5 | | 9.5 | | 40.7 | 27.6 | | 9.3 | 49 | 3.0 | 18.8 | | 8.9 | | 23.9 | 57.0 | |
| 8.9 | 1 | 51.1 | 37.9 | B | 6.2 | | 53.2 | 59.2 | R | 9.5 | | 41.0 | 21.9 | h | 9.4 | | 24.7 | 14.3 | | 9.4 | | 38.9 | 20.6 | |
| 8.9 | | 55.9 | 37.2 | | 9.0 | 26 | 1.4 | 21.1 | K | 8.0 | | 42.0 | 41.2 | h | 7.3 | | 41.7 | 39.9 | K | 8.7 | | 41.3 | 44.2 | K |
| 9.5 | 2 | 2.8 | 10.9 | | 9.5 | | 13.0 | 29.1 | | 7.9 | | 42.5 | 15.7 | h | 9.5 | | 51.9 | 4.0 | | 9.5 | | 57.7 | 23.0 | |
| 9.3 | | 29.7 | 12.8 | | 9.1 | | 18.0 | 36.4 | | 8.0 | | 45.1 | 39.2 | h | 9.5 | | 54.2 | 56.0 | | *9.2 | | 59.1 | 49.2 | B |
| 8.8 | 3 | 15.3 | 26.9 | K | 8.5 | | 25.9 | 2.1 | K | 7.5 | | 45.3 | 20.9 | h | 9.2 | | 56.2 | 29.5 | α | 9.5 | 7 | 8.2 | 29.0 | |
| 9.3 | | 55.0 | 20.7 | | 9.5 | | 39.8 | 48.6 | | 7.5 | | 48.2 | 27.8 | h | 9.3 | | 57.7 | 27.4 | R | 9.1 | | 9.8 | 8.7 | Kb |
| 9.2 | 4 | 2.7 | 43.4 | | 8.8 | 27 | 27.7 | 27.1 | Kb | 8.0 | | 52.0 | 14.8 | h | 9.5 | | 58.5 | 7.3 | | 9.4 | | 39.0 | 28.5 | B |
| 8.9 | | 7.6 | 38.4 | B | 9.3 | | 30.1 | 49.6 | | 7.0 | | 52.3 | 50.8 | h | 8.0 | 50 | 26.7 | 12.4 | Kb | 9.5 | | 39.2 | 39.0 | |
| 9.3 | | 25.0 | 44.2 | | 8.8 | | 54.7 | 18.5 | K | 3.2 | | 52.9 | 39.3 | h | 9.5 | 51 | 42.1 | 7.1 | B | 9.5 | | 58.3 | 16.9 | |
| 9.2 | 5 | 7.6 | 13.1 | Bb | 8.5 | | 56.0 | 26.4 | K | 8.2 | 39 | 0.5 | 8.8 | h | 9.4 | 52 | 1.3 | 1.8 | | 9.1 | 8 | 27.4 | 46.6 | b |
| 8.1 | | 32.1 | 43.1 | B | 8.0 | 29 | 9.7 | 48.0 | K | 9.5 | | 3.8 | 32.9 | B | 9.5 | | 19.0 | 44.3 | | 9.4 | | 43.7 | 2.0 | |
| 9.0 | 7 | 9.0 | 4.0 | Kb | 9.5 | 30 | 22.4 | 43.9 | | 9.0 | | 7.6 | 5.5 | B | 9.5 | | 21.7 | 42.6 | | 9.5 | | 56.0 | 5.9 | |
| 8.6 | | 36.9 | 49.6 | K | 9.4 | | 34.7 | 53.1 | | 9.4 | | 16.1 | 29.5 | | 8.9 | | 27.2 | 3.3 | K | 9.5 | 9 | 43.9 | 12.0 | |
| 9.5 | 8 | 8.0 | 45.6 | | 9.4 | | 35.8 | 59.0 | | 9.5 | | 18.3 | 0.5 | | 9.2 | 55 | 5.3 | 59.9 | K | 9.5 | 10 | 8.2 | 26.3 | |
| 8.7 | | 9.1 | 13.4 | B | 9.5 | 31 | 6.7 | 49.6 | | 9.5 | | 19.8 | 38.7 | | 9.3 | | 6.0 | 14.2 | | 9.5 | | 12.6 | 20.0 | |
| 9.1 | | 11.0 | 1.5 | | 9.3 | 32 | 20.4 | 59.2 | R | 9.2 | | 29.7 | 41.2 | R | 9.5 | | 28.4 | 19.1 | | 7.8 | | 22.7 | 41.1 | K |
| 8.6 | | 35.7 | 29.7 | K | 9.0 | | 49.8 | 1.7 | R | 8.5 | | 34.9 | 52.1 | h | 6.0 | | 41.7 | 42.6 | K | 9.5 | | 25.0 | 47.6 | |
| 8.9 | | 39.4 | 3.0 | | 9.5 | | 51.7 | 14.9 | | 9.5 | | 41.0 | 26.6 | | 9.5 | 56 | 6.0 | 13.6 | | 9.5 | | 30.7 | 28.8 | |
| 9.3 | 9 | 8.3 | 22.0 | | 9.2 | | 55.7 | 19.4 | R | 9.4 | | 41.2 | 11.0 | | 8.7 | | 12.1 | 5.9 | K | 9.2 | | 54.2 | 44.5 | |
| 9.5 | | 15.2 | 23.0 | | 9.5 | 34 | 10.4 | 48.0 | | 9.5 | | 49.0 | 36.3 | | 9.5 | | 34.4 | 35.0 | | 7.5 | 11 | 4.9 | 23.9 | K |
| 9.4 | | 21.1 | 29.5 | B | 9.3 | | 21.0 | 24.2 | | 7.8 | | 52.3 | 54.0 | h | 7.8 | | 36.3 | 22.9 | K | 9.0 | | 10.6 | 25.5 | K |
| 9.5 | | 43.0 | 39.1 | | 9.2 | | 40.0 | 15.5 | B | 9.0 | | 57.2 | 43.6 | | 9.5 | 57 | 7.2 | 51.2 | | 9.5 | | 18.1 | 30.7 | |
| 8.8 | | 49.0 | 48.0 | | 8.3 | 35 | 6.5 | 54.9 | K | 9.4 | 40 | 10.4 | 4.6 | | 9.5 | | 8.7 | 11.6 | | 7.5 | | 23.5 | 13.8 | K |
| 7.0 | | 50.7 | 33.5 | K | 8.4 | | 7.4 | 12.1 | K | 7.0 | | 20.6 | 24.6 | h | 9.4 | | 56.0 | 17.0 | | 9.4 | 12 | 31.9 | 22.1 | |
| 9.0 | 10 | 19.6 | 18.1 | K | 9.3 | | 9.1 | 8.7 | R | 4.0 | | 33.8 | 36.1 | h | 8.7 | | 58.6 | 7.0 | K | 9.5 | | 48.7 | 12.5 | |
| 9.0 | | 21.3 | 31.4 | K | 9.5 | | 18.7 | 47.5 | | 6.2 | | 36.3 | 41.6 | h | 9.5 | 58 | 12.0 | 43.9 | | 9.5 | 14 | 8.2 | 22.1 | |
| 9.5 | | 22.3 | 26.3 | | 9.3 | | 22.5 | 25.1 | R | 8.4 | | 36.5 | 26.6 | h | 9.5 | | 19.8 | 44.2 | | 9.5 | | 29.1 | 27.8 | B |
| 9.4 | 11 | 21.9 | 44.9 | | 9.5 | | 33.8 | 56.5 | | 8.0 | | 39.2 | 57.1 | h | 9.5 | 59 | 12.6 | 56.1 | B | 9.5 | | 37.2 | 9.8 | |
| 8.9 | · | 22.3 | 32.2 | B | 9.5 | | 36.3 | 34.2 | | 7.5 | | 44.4 | 56.1 | h | 8.8 | | 45.4 | 0.0 | | 9.5 | | 54.1 | 51.1 | |
| 7.0 | | 49.6 | 9.9 | K | 9.5 | | 37.8 | 38.6 | | 7.8 | | 48.3 | 48.2 | h | 9.2 | | 56.0 | 23.6 | | 9.3 | 15 | 5.3 | 37.6 | |
| 9.0 | | 51.3 | 59.7 | B | 9.1 | | 45.5 | 40.2 | R | 7.2 | 41 | 7.9 | 16.0 | h | 9.5 | 0 | 10.7 | 20.6 | | 8.5 | | 13.6 | 57.7 | K |
| 9.5 | 13 | 23.0 | 52.5 | | 8.7 | | 48.8 | 55.9 | K | 9.2 | | 8.0 | 48.3 | h | 7.2 | | 11.7 | 28.9 | K | 6.5 | | 15.7 | 57.6 | K |
| 9.3 | | 51.6 | 45.6 | α | 6.5 | 36 | 12.2 | 50.0 | h | 8.5 | | 17.4 | 46.5 | h | 9.3 | | 12.3 | 50.3 | | 9.1 | | 15.9 | 53.8 | B |
| 9.5 | | 53.3 | 15.5 | | 9.4 | | 13.0 | 7.6 | h | 9.4 | | 17.8 | 5.3 | | 9.5 | | 52.6 | 44.5 | | 9.5 | 16 | 19.9 | 30.5 | |
| 9.5 | 14 | 20.5 | 5.3 | | 4.7 | | 16.6 | 39.1 | h | 7.9 | | 18.6 | 54.2 | h | 7.5 | 1 | 2.5 | 41.4 | K | 9.5 | | 36.5 | 27.5 | B |
| 9.4 | | 36.0 | 40.4 | | 8.9 | | 28.8 | 48.5 | K | 9.4 | | 21.0 | 30.5 | | 9.5 | | 10.7 | 5.2 | | 8.6 | | 37.5 | 27.4 | K |
| 9.2 | | 42.0 | 40.7 | b | 8.6 | | 30.1 | 15.0 | R | 7.5 | | 21.8 | 24.1 | h | 9.3 | | 18.7 | 43.2 | | 9.4 | | 44.4 | 24.0 | B |
| 9.5 | | 52.6 | 33.2 | | 8.2 | | 50.0 | 34.6 | h | 7.3 | 42 | 16.3 | 31.2 | h | 9.3 | | 24.5 | 43.9 | | 9.1 | | 53.5 | 16.4 | |
| 9.4 | 15 | 31.6 | 24.2 | | 9.0 | | 58.5 | 37.5 | h | 9.5 | | 25.2 | 27.7 | | 9.5 | | 29.5 | 46.2 | | 9.5 | | 55.7 | 48.0 | |
| 9.4 | | 58.9 | 24.4 | | 8.1 | 37 | 0.5 | 52.8 | h | 9.4 | | 39.6 | 10.6 | B | 7.5 | | 35.7 | 34.9 | K | 9.0 | 17 | 8.4 | 14.2 | K |
| 9.2 | 16 | 17.3 | 21.7 | Bb | 9.0 | | 2.1 | 49.8 | h | 9.5 | 43 | 16.7 | 29.1 | | 9.4 | 2 | 36.1 | 37.3 | B | 9.3 | 18 | 8.5 | 13.0 | |
| 9.2 | 17 | 11.6 | 11.5 | B | 9.5 | | 3.4 | 58.0 | | 9.2 | | 30.7 | 8.4 | | 9.5 | 3 | 14.0 | 13.5 | | 9.4 | | 28.6 | 7.2 | |
| 9.5 | 19 | 11.4 | 17.4 | | 9.5 | | 11.4 | 57.6 | | 9.5 | | 38.7 | 57.7 | | 9.2 | | 14.7 | 15.0 | | 8.7 | | 29.4 | 10.2 | K |
| 8.0 | | 17.5 | 40.9 | K | 4.8 | | 11.8 | 54.7 | h | 9.5 | 44 | 25.7 | 49.5 | | 9.3 | | 26.2 | 36.2 | | 9.5 | | 40.3 | 50.4 | B |
| 9.2 | 20 | 51.1 | 7.2 | K | 8.2 | | 14.9 | 34.9 | h | 9.3 | | 33.0 | 26.7 | | 9.5 | | 27.0 | 19.0 | | 9.5 | 19 | 22.2 | 38.1 | |
| 9.5 | 21 | 12.7 | 33.7 | | 9.5 | | 32.4 | 36.5 | | 9.5 | | 44.3 | 3.1 | | 9.5 | | 32.9 | 39.6 | | 8.8 | | 35.9 | 47.9 | K |
| 8.0 | | 33.2 | 41.3 | K | 8.0 | | 37.7 | 44.3 | h | 9.5 | 45 | 29.5 | 56.0 | | 9.2 | | 38.8 | 21.2 | B | 9.2 | | 41.5 | 49.6 | α |
| 9.1 | | 39.4 | 57.9 | K | 8.1 | | 39.5 | 43.8 | h | 9.5 | | 44.1 | 39.5 | | 9.4 | | 42.5 | 12.5 | | 9.4 | 20 | 55.6 | 1.1 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 34.98 | 2.27 | | 10pr. | | 35.37 | 2.00 | | 10pr. | | 35.48 | 1.92 | | 10pr. | | 35.71 | 1.72 | | 10pr. | | 35.89 | 1.53 | |

| 655 α | | | |
|---|---|---|---|
| 9.5 | 6 | 58.6 | 18.8 |

| 701—760 | | | | 761—820 | | | | 821—880 | | | | 881—940 | | | | 941—1000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ | +23° | | | 4ᵐ | +23° | | | 4ᵐ—5ᵐ | +23° | | | 5ᵐ | +23° | | | 5ᵐ | +23° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 7.0 | 21 40.8 | 16.5 | K | 7.9 | 45 27.1 | 45.5 | K | 9.0 | 54 51.8 | 26.3 | B | 8.8 | 6 25.3 | 38.8 | K | 9.5 | 24 37.8 | 52.8 | |
| 7.4 | 22 31.8 | 2.0 | K | 9.3 | 29.4 | 44.3 | B | 9.0 | 55 1.6 | 34.0 | K | 9.5 | 7 8.1 | 58.2 | | 8.7 | 44.8 | 13.7 | K |
| 9.5 | 43.5 | 22.7 | | 8.3 | 50.5 | 41.7 | K | 9.5 | 2.9 | 43.8 | | 9.5 | 9.9 | 1.7 | b | 9.5 | 45.3 | 29.3 | |
| 9.5 | 23 39.6 | 12.7 | | 9.5 | 57.0 | 51.5 | | 8.4 | 2.9 | 52.6 | K | 9.5 | 32.9 | 46.8 | | 9.4 | 48.8 | 3.6 | |
| 8.0 | 24 43.2 | 58.3 | K | 9.3 | 46 20.4 | 9.1 | | 9.5 | 21.0 | 10.7 | | 8.9 | 51.5 | 56.3 | K | 9.5 | 59.9 | 2.1 | |
| 9.5 | 53.7 | 20.4 | | 9.0 | 32.6 | 25.8 | | 9.3 | 30.9 | 32.8 | | 9.5 | 8 13.4 | 12.8 | | 9.5 | 25 1.0 | 17.4 | |
| 9.3 | 25 1.1 | 12.0 | b | 9.1 | 33.7 | 38.9 | K | 9.5 | 32.9 | 7.2 | | 9.5 | 40.1 | 59.6 | | 9.4 | 24.6 | 26.0 | B |
| 9.5 | 23.5 | 0.5 | | 9.5 | 44.6 | 44.5 | | 8.0 | 35.7 | 19.0 | K | 6.8 | 42.9 | 52.1 | K | 9.5 | 36.4 | 22.5 | |
| 9.5 | 37.8 | 8.2 | | 9.5 | 47 5.8 | 15.7 | | 9.1 | 36.7 | 58.7 | | 9.5 | 9 10.7 | 41.5 | | 9.5 | 57.3 | 29.5 | |
| 8.8 | 26 3.5 | 55.7 | K | 9.0 | 20.9 | 45.8 | K | 8.5 | 48.0 | 26.8 | K | 9.3 | 24.7 | 58.5 | | 9.2 | 26 26.9 | 57.1 | B |
| 9.3 | 55.2 | 19.1 | | 9.5 | 39.7 | 15.3 | | 9.5 | 54.0 | 38.2 | | 9.5 | 10 3.8 | 13.5 | | 8.8 | 30.9 | 24.6 | B |
| 9.2 | 27 14.6 | 31.3 | b | 8.0 | 51.5 | 5.6 | K | 9.5 | 57.5 | 54.2 | | 9.5 | 8.7 | 53.9 | | 9.3 | 33.6 | 21.1 | |
| 9.2 | 16.8 | 25.8 | | 9.5 | 48 8.2 | 55.6 | | 8.5 | 56 0.8 | 42.7 | K | 9.0 | 43.8 | 16.1 | | 9.5 | 35.8 | 29.5 | |
| 9.5 | 44.7 | 40.0 | | 9.5 | 16.9 | 10.5 | | 9.4 | 4.0 | 33.6 | | 9.5 | 11 7.7 | 4.9 | | 5.9 | 35.8 | 56.5 | Kb |
| 6.5 | 46.0 | 2.9 | K | 9.5 | 39.1 | 10.9 | | 8.9 | 5.6 | 20.5 | K | 9.3 | 14.1 | 58.6 | | 9.5 | 41.8 | 11.1 | |
| 9.4 | 28 2.3 | 55.0 | | 9.5 | 44.1 | 49.5 | | 9.5 | 20.9 | 15.5 | | 9.3 | 34.9 | 1.5 | | 9.5 | 58.9 | 48.0 | |
| 9.2 | 52.7 | 29.7 | b | 6.2 | 49 3.0 | 44.5 | Kb | 8.0 | 26.0 | 36.5 | K | 9.5 | 35.9 | 37.6 | | 9.2 | 27 9.4 | 50.2 | |
| 9.3 | 29 1.3 | 46.0 | | 9.5 | 8.4 | 24.2 | | 9.5 | 32.2 | 52.8 | | 9.2 | 41.6 | 8.4 | K | 9.5 | 15.8 | 44.1 | |
| 9.5 | 28.0 | 31.0 | | 9.5 | 13.9 | 28.9 | | 9.2 | 49.8 | 18.0 | | 8.4 | 43.0 | 57.7 | K | 9.4 | 31.8 | 30.0 | |
| 9.5 | 30 43.7 | 43.5 | | 9.5 | 16.2 | 20.1 | | 9.5 | 57 3.0 | 39.7 | | 9.1 | 50.9 | 35.1 | b | 9.5 | 50.8 | 55.9 | |
| 9.5 | 31 8.5 | 42.5 | | 9.4 | 50.0 | 41.7 | | 9.5 | 21.0 | 53.1 | | 9.5 | 53.9 | 17.7 | | 8.9 | 28 2.5 | 20.1 | |
| 9.0 | 20.6 | 0.8 | K | 8.4 | 50 4.1 | 37.5 | K | 9.4 | 37.4 | 17.8 | | 8.2 | 12 4.8 | 53.2 | K | 9.2 | 6.1 | 4.3 | R |
| 8.7 | 32 4.9 | 31.7 | K | 9.5 | 12.2 | 23.0 | | 9.5 | 51.9 | 49.6 | | 9.5 | 53.0 | 51.2 | | 9.5 | 8.0 | 21.1 | |
| 8.9 | 14.5 | 39.3 | K | 8.5 | 45.1 | 32.3 | K | 9.2 | 58 8.5 | 49.6 | | 9.3 | 59.9 | 8.5 | | 9.0 | 12.7 | 31.5 | |
| 9.5 | 38.7 | 51.9 | | 9.3 | 46.0 | 15.7 | | 9.4 | 14.5 | 47.6 | | 9.5 | 13 58.7 | 32.7 | | 9.3 | 13.7 | 11.4 | |
| 9.5 | 57.7 | 14.5 | | 9.4 | 50.3 | 58.1 | | 9.5 | 18.4 | 23.0 | | 9.5 | 14 18.4 | 14.5 | | 9.5 | 15.5 | 4.4 | |
| 9.5 | 33 5.6 | 16.8 | | 8.9 | 51 7.0 | 57.8 | | 9.5 | 27.1 | 45.5 | | 9.4 | 46.3 | 23.8 | | 9.2 | 24.3 | 7.9 | B |
| 9.5 | 16.2 | 6.9 | | 9.1 | 28.5 | 41.7 | | 9.5 | 29.2 | 17.5 | | 9.5 | 15 35.3 | 1.2 | | 9.3 | 24.3 | 8.8 | |
| 7.3 | 18.9 | 44.6 | K | 8.6 | 34.9 | 56.6 | K | 9.5 | 45.6 | 34.4 | | 8.8 | 56.8 | 27.7 | | 9.0 | 30.5 | 28.6 | |
| 9.4 | 30.5 | 22.1 | | 9.5 | 36.0 | 14.3 | | 9.1 | 50.8 | 6.1 | b | 9.5 | 57.9 | 48.6 | | 9.3 | 34.5 | 12.6 | |
| 9.5 | 39.2 | 8.9 | | 9.0 | 48.6 | 37.2 | | 9.2 | 56.9 | 54.3 | | 8.9 | 59.3 | 58.4 | K | 9.4 | 40.4 | 40.9 | |
| 9.4 | 34 9.3 | 33.9 | | 9.1 | 54.4 | 46.9 | | 9.5 | 58.6 | 29.1 | | 9.5 | 16 3.7 | 57.6 | | 9.4 | 42.0 | 8.2 | |
| 6.8 | 28.8 | 49.7 | K | 9.5 | 52 3.0 | 40.6 | | 9.4 | 59 30.5 | 40.5 | | 9.4 | 17 5.8 | 37.6 | | 8.8 | 48.8 | 2.9 | K |
| 9.5 | 35.6 | 55.7 | | 9.5 | 4.3 | 6.8 | B | 9.1 | 30.6 | 5.1 | K | 8.9 | 26.3 | 58.3 | K | 8 8 | 50.8 | 3.4 | K |
| 9.5 | 35 11.2 | 4.7 | | 9.3 | 17.7 | 13.5 | B | 8.8 | 35.9 | 3.1 | K | 9.5 | 37.9 | 41.1 | | 9.5 | 54.6 | 17.0 | |
| 9.2 | 26.1 | 20.9 | K | 8.1 | 21.8 | 13.1 | K | 9.5 | 37.2 | 18.6 | | 7.8 | 19 6.8 | 10.1 | K | 9.5 | 29 0.7 | 15.1 | |
| 9.5 | 30.2 | 40.3 | | 9.4 | 24.0 | 23.1 | | 9.5 | 0 8.6 | 56.4 | | 9.5 | 9.5 | 23.7 | | 9.1 | 30.6 | 53.4 | |
| 8.3 | 35.1 | 48.0 | K | 8.8 | 38.1 | 34.0 | K | 9.1 | 18.3 | 27.4 | K | 9.5 | 35.2 | 59.6 | | 9.1 | 39.8 | 37.0 | |
| 7.0 | 36 59.0 | 22.2 | K | 9.1 | 56.5 | 28.8 | | 9.5 | 20.2 | 43.7 | B | 9.5 | 49.8 | 9.2 | | 9.5 | 50.9 | 21.1 | |
| 9.2 | 37 12.5 | 38.9 | | 9.5 | 58.0 | 54.8 | | 9.5 | 21.2 | 42.2 | | 8.4 | 57.6 | 50.1 | | 9.5 | 30 6.5 | 41.5 | |
| 8.4 | 36.5 | 25.7 | Kb | 9.5 | 53 7.0 | 56.2 | | 9.5 | 35.3 | 40.3 | | 9.3 | 20 21.2 | 34.2 | | 8.5 | 21.0 | 12.1 | K |
| 9.1 | 38 0.9 | 4.2 | K | 9.5 | 20.6 | 18.5 | | 9.5 | 49.4 | 22.9 | | 8.0 | 21 13.6 | 38.4 | Kb | 7.8 | 26.1 | 13.8 | K |
| 9.4 | 39 26.7 | 29.6 | Rb | 9.5 | 22.1 | 35.5 | | 9.0 | 53.8 | 5.3 | K | 9.5 | 24.0 | 55.5 | | 9.5 | 30.8 | 23.4 | |
| 9.5 | 40 16.1 | 4.1 | | 8.5 | 27.1 | 48.6 | K | 9.5 | 58.4 | 58.0 | | 9.5 | 28.8 | 43.8 | | 9.1 | 42 9 | 1.3 | |
| 9.5 | 22.0 | 5.4 | | 9.3 | 40.5 | 37.9 | α | 9.5 | 1 3.5 | 44.8 | | 9.1 | 40.7 | 31.6 | B | 9.3 | 45.8 | 30.3 | |
| 9.5 | 42.9 | 15.1 | | 8.9 | 45.4 | 39.6 | K | 9.5 | 9.8 | 51.8 | | 9.0 | 22 16.9 | 5.9 | R | 9.1 | 59.1 | 36.5 | |
| 8.5 | 41 3.0 | 8.6 | Kb | 9.1 | 46.1 | 42.0 | K | 9.5 | 15.6 | 54.8 | | 9.3 | 28.6 | 53.3 | Kb | 8.9 | 31 3.8 | 7.6 | |
| 9.1 | 42 11.2 | 52.7 | b | 8.4 | 51.9 | 54.9 | K | 9.5 | 15.6 | 56.8 | | 9.5 | 32.5 | 10.2 | | 8.5 | 4.3 | 36.3 | K |
| 9.5 | 58.1 | 16.0 | | 9.2 | 54 2.7 | 17.2 | | 9.5 | 37.8 | 29.1 | | 9.5 | 50.0 | 20.3 | | 9.2 | 20.9 | 54.8 | |
| 8.2 | 43 6.9 | 6.3 | K | 9.1 | 3.8 | 1.3 | | 9.0 | 39.7 | 57.6 | | 9.3 | 59.1 | 44.3 | | 9.4 | 26.0 | 16.8 | |
| 9.5 | 20.5 | 47.9 | B | 9.2 | 13.9 | 13.1 | B | 9.4 | 45.0 | 2.4 | B | 9.5 | 23 12.9 | 23.7 | | 9.2 | 26.9 | 18.8 | K |
| 8.8 | 35.1 | 31.3 | K | 9.1 | 19.5 | 25.6 | B | 8.8 | 2 13.5 | 2.0 | K | 9.5 | 18.4 | 13.6 | | 9.5 | 39 8 | 54.6 | |
| 9.5 | 58.6 | 10.1 | | 9.5 | 26.5 | 55.4 | | 9.4 | 42.8 | 56.5 | | 9.5 | 26.0 | 7.4 | | 9.5 | 42.8 | 11.4 | |
| 9.5 | 44 6.7 | 15.8 | | 9.2 | 27.5 | 26.6 | | 9.5 | 3 13.9 | 35.0 | B | 9.4 | 32 8 | 38.7 | | 9.2 | 43.6 | 53.9 | |
| 9.4 | 14.7 | 14.6 | B | 8.7 | 29.6 | 36.5 | K | 9.4 | 50.3 | 43.1 | | 9.5 | 37.5 | 57.5 | | 9.5 | 48.4 | 16.2 | |
| 7.7 | 34.0 | 56.9 | K | 9.5 | 41.2 | 8.8 | | 9.2 | 4 42.3 | 50.3 | | 8.9 | 45.8 | 16.8 | | 9.5 | 48.9 | 36.9 | |
| 6.5 | 50.9 | 5.4 | R | 9.3 | 45.4 | 27.8 | α | 9.5 | 5 0.5 | 44.5 | | 9.4 | 24 5.8 | 18.4 | | 9.5 | 54.9 | 44.5 | |
| 7.4 | 58.9 | 20.6 | Lb | 9.5 | 48.8 | 54.7 | | 9.5 | 50.0 | 49.1 | | 7.8 | 17.1 | 1.8 | K | 9.4 | 56.3 | 26.5 | |
| 9.5 | 45 25.9 | 58.8 | | 9.4 | 50.4 | 30.9 | | 9.0 | 6 6.7 | 46.6 | | 9.2 | 24.0 | 6.9 | | 9.4 | 32 11.4 | 17.1 | |
| 9.5 | 26.0 | 6.4 | B | 9.3 | 50.4 | 25.7 | α | 9.0 | 19.3 | 36.8 | | 9.5 | 35.6 | 13.3 | | 9.5 | 13.0 | 54.6 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 36.12 | 1.23 | | 10pr. | 36.27 | 0.99 | | 10pr. | 36.33 | 0.89 | | 10pr. | 36.42 | 0.64 | | 10pr. | 36.47 | 0.46 | |

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| m | 5ᵘ | +23° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.1 | 32 18.6 | 25.8 | |
| 9.5 | 25.8 | 45.8 | |
| 9.2 | 30.4 | 16.2 | |
| 9.5 | 32.5 | 53.0 | |
| 8.6 | 50.1 | 23.7 | |
| 9.4 | 33 1.9 | 20.6 | |
| 6.8 | 6.9 | 14.5 | K |
| 9.5 | 33.2 | 5.3 | |
| 9.4 | 40.7 | 50.0 | |
| 9.4 | 43.8 | 36.7 | |
| 9.4 | 43.9 | 16.7 | |
| 9.5 | 48.8 | 11.3 | |
| 9.5 | 34 12.2 | 30.8 | |
| 8.7 | 17.6 | 39.5 | |
| 6.3 | 31.1 | 7.9 | Kb |
| 9.5 | 42.7 | 33.9 | |
| 9.5 | 45.5 | 58.2 | |
| 9.3 | 53.2 | 40.3 | |
| 9.2 | 56.4 | 2.9 | |
| 9.5 | 35 6.8 | 29.1 | |
| 9.0 | 26.9 | 0.8 | |
| 9.5 | 29.1 | 32.5 | |
| 9.5 | 31.9 | 9.3 | |
| 9.4 | 33.7 | 58.4 | |
| 9.2 | 45.8 | 6.3 | |
| 8.9 | 36 0.8 | 4.5 | |
| 9.5 | 4.8 | 20.1 | |
| 9.5 | 9.0 | 0.1 | |
| 9.3 | 10.7 | 26.8 | |
| 8.8 | 32.8 | 19.4 | Kb |
| 9.2 | 32.8 | 50.9 | |
| 9.3 | 34.0 | 26.1 | |
| 9.5 | 40.6 | 55.7 | |
| 9.2 | 57.0 | 40.9 | K |
| 9.5 | 37 7.1 | 54.9 | |
| 7.8 | 7.9 | 40.9 | K |
| 9.5 | 17.7 | 44.6 | |
| 9.5 | 19.8 | 12.7 | |
| 8.7 | 28.9 | 0.8 | K |
| 9.2 | 33.6 | 15.4 | |
| 9.5 | 42.4 | 26.0 | |
| 8.5 | 38 24.3 | 6.5 | K |
| 8.3 | 37.0 | 49.6 | |
| 9.5 | 44.5 | 10.2 | |
| 9.1 | 46.2 | 34.9 | |
| 8.8 | 54.9 | 35.5 | |
| 9.1 | 56.7 | 51.3 | |
| 9.5 | 59.8 | 55.5 | |
| 9.4 | 39 5.6 | 11.5 | |
| 9.5 | 7.8 | 21.1 | |
| 9.5 | 11.4 | 49.0 | |
| 9.2 | 18.1 | 18.7 | R |
| 9.5 | 21.0 | 4.6 | Rb |
| 9.5 | 24.8 | 38.2 | |
| 9.3 | 29.6 | 36.4 | B |
| 9.4 | 37.3 | 36.1 | |
| 9.5 | 38.0 | 39.0 | |
| 9.5 | 41.5 | 38.6 | |
| 8.8 | 43.8 | 49.4 | K |
| 8.4 | 48.7 | 43.7 | K |
| 10pr. | + 36.50 | + 0.34 | |

1061—1120

| m | 5ᵘ | +23° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 39 53.4 | 57.6 | |
| 9.5 | 40 8.8 | 49.8 | |
| 9.5 | 16.9 | 6.6 | |
| 9.4 | 17.2 | 42.1 | B |
| 9.5 | 18.0 | 49.8 | |
| 9.3 | 19.9 | 11.0 | R |
| 9.5 | 27.5 | 38.8 | |
| 9.5 | 27.5 | 45.6 | |
| 9.0 | 30.4 | 34.0 | R |
| 9.1 | 33.0 | 52.5 | R |
| 9.5 | 40.9 | 24.4 | |
| 9.0 | 52.8 | 38.9 | |
| 9.5 | 41 4.0 | 25.1 | |
| 9.4 | 11.9 | 37.0 | |
| 9.5 | 17.6 | 43.3 | |
| 9.5 | 37.2 | 36.5 | |
| 8.7 | 43.3 | 25.9 | Rb |
| 9.4 | 44.3 | 5.9 | |
| 9.5 | 54.1 | 28.6 | |
| 9.3 | 42 15.7 | 6.6 | |
| 9.5 | 16.2 | 25.9 | |
| 9.1 | 20.8 | 49.6 | R |
| 8.8 | 26.3 | 52.8 | K |
| 9.5 | 28.8 | 51.1 | |
| 8.2 | 51.0 | 11.0 | R |
| 9.5 | 54.1 | 49.5 | |
| 7.3 | 43 1.5 | 20.2 | K |
| 9.3 | 26.7 | 52.1 | |
| 9.3 | 29.8 | 58.3 | |
| 9.4 | 44 3.0 | 56.2 | |
| 8.8 | 6.1 | 34.0 | R |
| 9.5 | 9.1 | 57.5 | |
| 9.4 | 11.8 | 41.0 | |
| 9.5 | 16.4 | 17.2 | |
| 9.4 | 17.3 | 38.7 | |
| 9.5 | 24.3 | 4.9 | |
| 9.5 | 32.7 | 32.6 | |
| 9.5 | 40.8 | 10.8 | |
| 9.0 | 46.4 | 17.0 | |
| 8.6 | 51.2 | 13.0 | |
| 9.5 | 51.8 | 24.6 | |
| 9.5 | 45 1.9 | 41.7 | |
| 9.1 | 21.7 | 56.0 | R |
| 9.4 | 58.2 | 43.6 | |
| 9.5 | 46 10.8 | 28.5 | |
| 9.3 | 19.6 | 23.1 | |
| 9.5 | 50.8 | 6.1 | |
| 8.7 | 55.4 | 15.0 | |
| 9.2 | 56.7 | 56.3 | R |
| 8.8 | 47 4.8 | 54.3 | R |
| 8.9 | 8.7 | 50.8 | R |
| 9.5 | 13.7 | 7.9 | |
| 8.9 | 30.8 | 42.9 | K |
| 9.5 | 37.9 | 48.3 | |
| 9.5 | 48.8 | 12.5 | |
| 9.5 | 54.0 | 31.0 | |
| 9.3 | 48 0.0 | 4.9 | |
| 9.2 | 21.6 | 36.7 | |
| 8.5 | 25.4 | 23.6 | |
| 9.0 | 26.2 | 11.3 | R |
| 10pr. | + 36.52 | + 0.23 | |

1121—1180

| m | 5ᵘ | +23° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 48 38.8 | 4.6 | |
| 8.6 | 41.5 | 7.3 | K |
| 9.5 | 45.9 | 40.4 | |
| 9.2 | 48.0 | 31.3 | |
| 9.3 | 48.5 | 40.4 | |
| 9.5 | 56.7 | 6.0 | |
| 9.5 | 49 6.9 | 59.2 | |
| 9.0 | 31.4 | 32.5 | |
| 9.5 | 35.0 | 56.5 | |
| 7.5 | 36.9 | 7.8 | R |
| 9.3 | 40.8 | 44.8 | |
| 7.8 | 47.5 | 38.4 | R |
| 9.5 | 53.0 | 51.8 | |
| 9.2 | 55.0 | 49.8 | B |
| 7.9 | 57.6 | 13.4 | R |
| 9.3 | 50 25.5 | 38.4 | |
| 9.3 | 28.4 | 48.2 | |
| 9.5 | 36.2 | 42.5 | |
| 9.5 | 42.9 | 9.5 | |
| 9.5 | 48.8 | 11.3 | |
| 9.5 | 51 4.5 | 21.7 | |
| 9.5 | 10.8 | 53.6 | |
| 9.5 | 23.3 | 23.7 | |
| 9.3 | 43.2 | 15.1 | B |
| 9.5 | 52 4.8 | 18.7 | R |
| 9.5 | 5.4 | 33.8 | |
| 9.5 | 15.6 | 54.3 | B |
| 8.5 | 16.8 | 19.0 | L |
| 7.8 | 18.9 | 17.0 | L |
| 7.6 | 39.0 | 41.4 | K |
| 9.1 | 39.8 | 7.6 | |
| 8.4 | 41.3 | 43.5 | K |
| 9.5 | 56.6 | 38.7 | |
| 8.9 | 58.9 | 7.5 | K |
| 9.1 | 53 4.6 | 28.7 | |
| 9.0 | 17.3 | 54 9 | K |
| 9.3 | 18.4 | 35.5 | |
| 9.5 | 43.2 | 0.3 | |
| 9.5 | 48.4 | 12.3 | |
| 9.5 | 50.6 | 21.0 | |
| 8.5 | 54 1.7 | 19.7 | R |
| 9.5 | 14.2 | 54.6 | |
| 9.5 | 25.2 | 36.8 | |
| 9.5 | 31.7 | 56.4 | |
| 9.5 | 32.6 | 27.2 | |
| 9.5 | 34.0 | 2.7 | |
| 9.5 | 36.1 | 48.2 | |
| 9.2 | 43.6 | 19.5 | |
| 9.1 | 55 16.1 | 49.4 | b |
| 5.1 | 17.8 | 15.6 | K |
| 9.2 | 36.0 | 35.6 | |
| 9.0 | 45.4 | 23.2 | |
| 9.4 | 51.8 | 15.6 | |
| 9.3 | 56 0.0 | 56.3 | |
| 9.5 | 4.2 | 44.0 | |
| 9.5 | 5.0 | 19.0 | |
| 9.4 | 10.1 | 28.5 | |
| 9.5 | 16.9 | 51.6 | |
| 9.5 | 17.7 | 23.7 | B |
| 9.5 | 19.3 | 50.0 | |
| 10pr. | + 36.53 | + 0.11 | |

1181—1240

| m | 5ᵘ—6ᵘ | +23° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 56 36.2 | 12.5 | |
| 9.5 | 41.0 | 42.3 | |
| 9.0 | 42.8 | 0.7 | |
| 9.5 | 42.9 | 32.3 | |
| 9.5 | 50.7 | 2.9 | |
| 9.5 | 57 2.2 | 51.4 | |
| 8.5 | 12.5 | 31.1 | K |
| 8.4 | 36.2 | 11.5 | K |
| 9.4 | 40.2 | 18.3 | B |
| 9.4 | 42.0 | 47.4 | |
| 9.5 | 51.1 | 2.2 | |
| 7.2 | 58.4 | 38.5 | Lb |
| 9.5 | 58 4.6 | 44.5 | |
| 9.5 | 5.3 | 29.9 | |
| 9.5 | 6.9 | 56.1 | |
| 9.5 | 9.9 | 27.9 | B |
| 9.4 | 12.9 | 12.1 | |
| 9.4 | 18.7 | 33.1 | |
| 8.6 | 19.1 | 3.9 | K |
| 9.3 | 25.3 | 1.3 | |
| 9.5 | 36.8 | 32.2 | |
| 9.5 | 39.4 | 58.2 | |
| 8.5 | 43.0 | 45.1 | |
| 9.2 | 56.5 | 29.4 | K |
| 9.5 | 59 2.0 | 17.1 | R |
| 9.0 | 6.1 | 40.7 | R |
| 9.5 | 13.9 | 31.0 | |
| 8.2 | 14.4 | 45.6 | L |
| 8.5 | 19.3 | 52.5 | L |
| 8.8 | 24.7 | 27.7 | K |
| 9.4 | 25.3 | 6.0 | |
| 8.5 | 28.9 | 31.7 | K |
| 9.2 | 31.0 | 55.7 | |
| 9.1 | 34.6 | 5.7 | |
| 9.3 | 36.8 | 0.9 | K |
| 8.5 | 37.5 | 23.2 | K |
| 9.2 | 41.8 | 42.0 | |
| 9.4 | 58.0 | 24.3 | |
| 8.7 | 59.4 | 0.1 | K |
| 9.5 | 0 2.4 | 30.4 | |
| 9.3 | 14.2 | 13.0 | |
| 9.1 | 17.0 | 58.5 | |
| 8.9 | 21.1 | 54.5 | |
| 9.3 | 48.3 | 51.0 | |
| 9.4 | 49.3 | 53.2 | |
| 6.5 | 57.3 | 7.5 | Kb |
| 9.3 | 1 9.3 | 54.7 | |
| 9.5 | 28.7 | 34.8 | |
| 9.5 | 32.2 | 8.9 | B |
| 9.2 | 33.3 | 6.3 | K |
| 9.2 | 41.3 | 48.3 | |
| 7.4 | 42.3 | 1.4 | Kb |
| 9.5 | 2 1.0 | 10.6 | |
| 8.9 | 4.8 | 50.2 | |
| 9.4 | 6.9 | 55.0 | |
| 9.4 | 39.3 | 15.4 | |
| 9.5 | 40.4 | 2.4 | |
| 9.5 | 49.9 | 3.4 | |
| 9.5 | 55.1 | 42.2 | |
| 9.4 | 57.5 | 3.6 | |
| 10pr. | + 36.53 | + 0.01 | |

1241—1300

| m | 6ᵘ | +23° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 3 2.9 | 2.4 | |
| 8.5 | 3.8 | 28.2 | |
| 7.3 | 7.5 | 14.1 | K |
| 9.5 | 11.0 | 58.0 | |
| 9.5 | 30.6 | 52.6 | |
| 9.3 | 57.2 | 46.5 | |
| 9.0 | 4 0.0 | 4.3 | K |
| 9.5 | 4.6 | 38.3 | |
| 9.4 | 12.7 | 35.3 | B |
| 9.2 | 16.3 | 53.1 | |
| 9.2 | 36.6 | 40.0 | |
| 9.2 | 39.3 | 9.2 | |
| 9.0 | 40.4 | 0.1 | |
| 8.7 | 49.4 | 46.5 | K |
| 9.5 | 54.8 | 30.6 | |
| 9.5 | 58.0 | 1.1 | |
| 9.5 | 5 6.7 | 1.6 | B |
| 8.1 | 17.5 | 59.2 | K |
| 9.5 | 27.3 | 7.4 | |
| 9.5 | 51.7 | 33.8 | |
| 9.2 | 52.4 | 47.5 | |
| 9.0 | 54.9 | 24.4 | K |
| 9.1 | 56.2 | 57.0 | |
| 9.5 | 57.0 | 19.2 | |
| 9.0 | 6 10.1 | 17.0 | K |
| 9.5 | 15.7 | 36.5 | |
| 9.3 | 35.1 | 15.1 | |
| 9.5 | 43.2 | 56.8 | |
| 9.2 | 50.3 | 53.8 | |
| 9.0 | 7 9.4 | 49.8 | |
| 8.3 | 17.2 | 14.0 | K |
| 9.5 | 22.7 | 35.0 | |
| 9.3 | 26.4 | 39.1 | R |
| 9.5 | 32.2 | 58.4 | |
| 6.8 | 8 8.4 | 47.8 | Lb |
| 9.5 | 12.3 | 1.2 | |
| 9.5 | 32.1 | 1.2 | |
| 9.5 | 41.4 | 50.3 | |
| 9.5 | 44.5 | 44.6 | |
| 9.5 | 9 0.7 | 58.9 | |
| 9.5 | 2.0 | 21.4 | |
| 8.7 | 4.5 | 55.7 | K |
| 9.5 | 18.4 | 49.8 | |
| 9.3 | 26.0 | 20.9 | |
| 8.7 | 31.3 | 52.4 | K |
| 9.1 | 35.6 | 37.3 | K |
| 9.3 | 38.4 | 0.7 | |
| 9.4 | 44.7 | 57.1 | |
| 8.6 | 52.1 | 3.6 | K |
| 9.5 | 55.6 | 12.3 | |
| 9.3 | 57.3 | 52.3 | |
| 9.3 | 10 2.3 | 53.3 | |
| 7.0 | 4.4 | 39.3 | Bb |
| 9.4 | 6.6 | 9.8 | |
| 9.2 | 7.9 | 25.6 | |
| 9.4 | 9.0 | 19.6 | |
| 8.1 | 12.3 | 3.3 | K |
| 8.5 | 21.9 | 1.4 | K |
| 9.3 | 24.2 | 57.5 | |
| 7.3 | 29.8 | 31.2 | K |
| 10pr. | + 36.53 | — 0.11 | |

+23°

| 1301—1360 | | | | | 1361—1420 | | | | | 1421—1480 | | | | | 1481—1540 | | | | | 1541—1600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ª | | +23° | | | 6ª | | +23° | | | 6ª | | +23° | | | 6ª | | +23° | | | 6ª | | +23° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 7.5 | 10′ | 33.0 | 19.3 | L | 9.5 | 19′ | 8.5 | 42.8 | | 9.5 | 27′ | 30.7 | 35.1 | | 9.5 | 35″ | 51.5 | 43.3 | | 9.4 | 46′ | 24.8 | 57.8 | |
| 9.4 | | 38.2 | 59.5 | | 8.2 | | 9.0 | 45.8 | Kb | 9.5 | | 39.8 | 31.1 | | 9.4 | 36 | 1.9 | 26.5 | | 9.2 | | 50.9 | 52.7 | B |
| 9.3 | | 49.5 | 5.1 | | 9.5 | | 10.3 | 1.0 | | 9.5 | | 47.2 | 57.3 | | 8.8 | | 6.0 | 22.3 | K | 9.5 | | 56.0 | 39.8 | |
| 9.4 | | 52.0 | 20.8 | | 9.5 | | 18.8 | 30.5 | | 9.5 | | 52.2 | 43.8 | | 9.4 | | 30.2 | 50.3 | B | 9.4 | 47 | 2.3 | 3.4 | |
| 9.3 | | 52.6 | 40.1 | | 9.5 | | 39.9 | 26.3 | | 7.4 | | 54.9 | 12.6 | B | 9.5 | | 31.5 | 42.8 | | 9.3 | | 9.9 | 27.7 | |
| 9.3 | | 59.3 | 53.2 | | 9.3 | | 42.3 | 9.3 | | 9.5 | 28 | 30.7 | 35.9 | | 7.6 | | 33.4 | 47.5 | L | 9.1 | | 24.5 | 42.8 | b |
| 9.3 | 11 | 4.0 | 19.9 | | 9.4 | | 46.5 | 57.6 | | 9.5 | | 33.5 | 54.5 | | 9.4 | | 41.2 | 34.5 | | 9.4 | | 25.4 | 7.7 | |
| 9.5 | | 6.2 | 47.6 | | 9.5 | | 58.4 | 40.2 | | 8.7 | | 50.6 | 37.8 | | 9.4 | | 41.3 | 53.4 | | 9.5 | | 53.2 | 26.3 | |
| 9.1 | | 9.3 | 19.6 | | 9.0 | 20 | 0.8 | 30.1 | | 8.7 | | 51.5 | 45.2 | S | 8.9 | | 50.8 | 59.9 | | 9.5 | 48 | 7.6 | 8.4 | |
| 9.4 | | 10.0 | 53.5 | | 9.3 | | 3.9 | 1.1 | | 9.5 | | 59.9 | 23.0 | | 9.2 | | 53.3 | 50.9 | | 8.8 | | 24.5 | 32.4 | |
| 8.2 | | 17.9 | 27.8 | K | 8.9 | | 5.3 | 54.6 | | 9.5 | 29 | 1.2 | 13.9 | | 7.3 | 37 | 22.8 | 30.9 | K | 9.1 | | 34.3 | 18.6 | Bb |
| 9.5 | | 32.1 | 31.2 | | 9.5 | | 13.0 | 22.0 | | 9.0 | | 2.3 | 17.6 | | 8.8 | | 28.3 | 54.9 | K | 9.1 | | 43.9 | 23.6 | |
| 9.5 | | 35.8 | 19.3 | | 9.4 | | 24.3 | 4.7 | | 7.3 | | 4.5 | 43.3 | L | 8.4 | | 50.0 | 58.8 | Kb | 9.5 | | 45.7 | 56.1 | |
| 9.5 | | 39.5 | 40.6 | | 9.5 | | 48.7 | 58.3 | | 9.2 | | 17.8 | 12.9 | | 8.2 | 38 | 1.4 | 50.0 | K | 8.0 | 49 | 2.1 | 4.9 | L |
| 9.3 | | 43.0 | 22.9 | | 9.5 | 21 | 2.6 | 38.3 | | 9.5 | | 54.9 | 19.4 | | 9.5 | | 20.7 | 51.4 | B | 9.5 | | 13.7 | 56.7 | |
| 9.5 | | 55.3 | 30.2 | | 9.5 | | 14.3 | 53.0 | | 9.1 | 30 | 3.2 | 11.4 | b | 9.5 | | 54.5 | 46.6 | | 9.4 | | 15.6 | 22.1 | B |
| 9.5 | 12 | 15.6 | 41.6 | | 9.5 | | 18.2 | 33.8 | | 9.3 | | 10.2 | 28.6 | B | 9.5 | 39 | 5.3 | 3.1 | | 9.3 | | 45.9 | 49.8 | |
| 9.4 | | 17.4 | 47.3 | | 9.5 | | 33.5 | 27.4 | | 9.1 | | 15.5 | 45.2 | | 9.5 | | 17.3 | 53.3 | | 9.5 | | 47.6 | 22.2 | B |
| 9.5 | | 24.9 | 35.2 | | 9.3 | | 46.4 | 59.9 | B | 9.2 | | 17.9 | 4.7 | | 8.0 | | 31.5 | 23.5 | B | 9.5 | | 52.7 | 58.3 | |
| 9.3 | | 30.6 | 40.1 | | 8.7 | | 50.6 | 37.7 | K | 8.9 | | 32.2 | 34.0 | | 9.5 | | 38.1 | 19.3 | | 9.5 | | 55.6 | 30.3 | |
| 9.5 | | 55.2 | 59.2 | | 9.5 | | 54.3 | 54.4 | | 9.5 | | 37.0 | 21.3 | | 9.5 | | 39.3 | 35.8 | B | 9.5 | 50 | 17.1 | 4.5 | |
| 7.7 | | 58.4 | 49.8 | L | 9.2 | | 59.6 | 40.2 | K | 9.5 | | 49.9 | 24.5 | | 9.5 | 40 | 3.2 | 35.9 | | 8.5 | | 40.5 | 17.3 | K |
| 9.5 | 13 | 28.2 | 10.3 | | 9.4 | 22 | 0.3 | 54.1 | B | 9.3 | | 52.9 | 25.5 | | 8.8 | | 8.8 | 53.1 | | 9.5 | 51 | 7.7 | 23.8 | |
| 9.5 | | 52.0 | 43.5 | | 9.5 | | 10.4 | 47.8 | | 9.2 | | 54.5 | 45.7 | | 7.6 | | 21.4 | 21.5 | B | 9.5 | | 18.2 | 58.6 | |
| 9.5 | | 52.2 | 12.7 | | 9.5 | | 41.7 | 35.5 | | 9.5 | 31 | 2.3 | 7.7 | | 9.5 | | 24.8 | 38.7 | | 9.5 | | 51.2 | 15.2 | |
| 9.5 | | 52.6 | 17.6 | | 9.5 | | 48.7 | 32.8 | | 7.8 | | 15.4 | 48.2 | K | 9.5 | | 39 2 | 41.8 | | 8.0 | | 54.8 | 39.7 | Kb |
| 9.4 | 14 | 6.7 | 35.3 | | 9.5 | 23 | 11.3 | 4.9 | | 9.1 | | 21.5 | 57.8 | | 9.1 | 41 | 6.9 | 10.7 | Bb | 9.3 | | 59.9 | 56.7 | |
| 9.5 | | 8.0 | 20.9 | | 9.2 | | 24.4 | 54.7 | b | 9.0 | | 26.8 | 4.9 | | 9.5 | | 21.0 | 9.4 | | 9.4 | 52 | 1.2 | 8.6 | |
| 9.5 | | 10.3 | 2.2 | | 9.0 | | 52.6 | 13.1 | B | 9.4 | | 31.3 | 38.5 | | 8.5 | | 49.5 | 49.7 | K | 9.2 | | 1.9 | 48.9 | K |
| 9.0 | | 24.3 | 53.8 | | 9.4 | | 54.8 | 28.5 | | 9.0 | | 34.1 | 35.8 | B | 9.5 | | 57.3 | 25.8 | | 9.3 | | 14.7 | 15.8 | B |
| 9.4 | | 36.8 | 30.3 | | 9.1 | | 57.0 | 11.2 | a | 8.8 | | 35.4 | 46.5 | K | 9.5 | 42 | 5.6 | 7.1 | | 9.4 | | 25.3 | 4.2 | |
| 9.3 | | 41.3 | 8.0 | | 9.4 | 24 | 11.0 | 22.6 | | 9.5 | | 37.9 | 32.4 | | 9.5 | | 20.3 | 35.0 | | 9.4 | | 38.5 | 38.8 | B |
| 9.3 | | 43.4 | 31.0 | | 9.5 | | 13.3 | 37.3 | | 9 0 | | 42.4 | 2.3 | K | 8.5 | | 34.5 | 32.0 | K | 9.5 | | 52.0 | 42.8 | |
| 8.5 | | 44.3 | 9.2 | K | 9.5 | | 16.8 | 29.3 | | 9.2 | | 45.0 | 20.3 | | 9.3 | | 38.3 | 2.7 | K | 8.9 | 53 | 18.3 | 52.6 | B |
| 9.0 | | 52.1 | 56.0 | | 9.3 | | 17.4 | 27.1 | | 8.7 | 32 | 8.8 | 18.0 | K | 9.5 | | 45.4 | 50.9 | | 9.2 | | 22.6 | 16.5 | b |
| 9.2 | 15 | 12.7 | 33.2 | | 9.3 | | 24.3 | 53.5 | | 9.3 | | 12.5 | 32.4 | | 9.5 | | 55.5 | 25.2 | | 9.3 | | 45.5 | 58.9 | |
| 9.5 | | 21.3 | 2.4 | | 9.5 | | 26.4 | 48.3 | | 9.5 | | 29 4 | 58.7 | | 9.5 | 43 | 2.3 | 5.5 | | 9.2 | | 47.0 | 54.4 | |
| 8.7 | | 45.8 | 29.7 | K | 8.5 | | 39.5 | 16.8 | B | 9.5 | | 31.1 | 4.2 | | 6.5 | | 12.2 | 47.2 | K | 9.5 | | 49.7 | 33.8 | |
| 9.5 | | 51.1 | 7.2 | | 9.0 | | 42.8 | 30.4 | K | 9.3 | | 36.5 | 44.0 | | 9.5 | | 46.6 | 58.2 | B | 9.0 | 54 | 37.2 | 23.8 | |
| 8.6 | | 53.2 | 13.6 | | 9.5 | | 51.7 | 35.6 | | 9.3 | | 50.6 | 21.2 | B | 8.9 | | 52.8 | 11.6 | | 9.2 | 55 | 6.4 | 17.2 | |
| 9.5 | 16 | 8.4 | 56.2 | | 9.2 | | 58.8 | 29.4 | K | 9.4 | 33 | 0.0 | 33.1 | | 9.5 | 44 | 12.7 | 35.7 | | 9.1 | | 17.5 | 53.1 | B |
| 9.5 | | 8.4 | 9.9 | R | 9.4 | | 59.3 | 9.9 | | 9.4 | | 22.4 | 0.0 | | 9.4 | | 13.3 | 0.7 | | 9.3 | | 19.5 | 36.8 | |
| 9.2 | | 9.9 | 55.0 | B | 9.0 | 25 | 15.3 | 9.4 | Kb | 9.3 | | 23.8 | 28.0 | | 8.9 | | 30.5 | 23.8 | B | 9.5 | 56 | 1.0 | 47.3 | |
| 7.2 | | 28.4 | 47.4 | K | 9.5 | | 19.6 | 41.0 | | 9.5 | | 28.3 | 51.1 | | 9.5 | | 33.7 | 11.7 | | 9.5 | | 13.1 | 5.5 | |
| 8.5 | | 33.3 | 8.2 | K | 9.5 | | 23.3 | 51.3 | | 9.4 | | 44.1 | 15.5 | | 8.9 | | 37.3 | 18.5 | | 9.5 | | 14.7 | 59.9 | |
| 7.5 | | 43.8 | 31.2 | K | 9.4 | | 44.2 | 56.2 | | 9.5 | | 56.0 | 2.7 | | 9.4 | | 40.8 | 46.7 | | 9.5 | | 23.4 | 56.6 | |
| 6.8 | | 44.9 | 23.8 | L | 9.0 | | 48.1 | 18.7 | | 8.2 | 34 | 7.0 | 21.4 | K | 9.1 | | 52.6 | 42.9 | Bb | 8.9 | | 24.0 | 54.6 | K |
| 9.5 | 17 | 7.9 | 5.5 | | 9.2 | 26 | 0.8 | 29.2 | K | 9.4 | | 24.5 | 44.6 | | 9.5 | | 55.8 | 15.5 | | 9.5 | | 29.0 | 32.8 | |
| 9.5 | | 22.7 | 25.9 | | 9.5 | | 11.0 | 6.1 | | 9.5 | | 49.7 | 34.3 | | 9.2 | | 57.3 | 3.6 | a | 9.0 | | 32.3 | 23.7 | K |
| 9.5 | | 30.6 | 55.2 | | 9.5 | | 24.0 | 27.8 | | 9.2 | | 54.7 | 4.5 | | 9.5 | | 59.5 | 46.7 | | 9.0 | | 33.3 | 22.7 | K |
| 9.5 | | 36.3 | 53.5 | | 9.4 | | 25.5 | 25.9 | B | 9.5 | | 58.4 | 6.5 | B | 9.5 | 45 | 0.5 | 42.8 | B | 8.5 | 57 | 1.1 | 29.9 | K |
| 9.1 | | 39.4 | 46.6 | | 9.5 | | 31.1 | 17.5 | | 9.5 | | 58.7 | 35.1 | | 9.2 | | 11.6 | 29.4 | | 9.3 | | 26.3 | 52.6 | |
| 9.5 | | 54.3 | 2.9 | | 9.5 | | 59.9 | 25.4 | | 9.3 | 35 | 3.0 | 20.8 | | 9.0 | | 37.2 | 9.1 | | 9.5 | | 41.8 | 49.2 | |
| 9.1 | | 59.3 | 6.5 | Kb | 9.4 | 27 | 5.9 | 25.2 | | 9.1 | | 5.2 | 14.4 | | 9.5 | | 51.3 | 21.0 | | 9.3 | | 49.6 | 4.9 | |
| 9.5 | 18 | 5.7 | 57.9 | | 9.3 | | 8.8 | 3.7 | B | 9.3 | | 5.4 | 27.0 | | 9.4 | | 55.1 | 4.2 | B | 9.2 | | 50.8 | 43.3 | |
| 8.5 | | 10.4 | 48.9 | K | 9.4 | | 10.6 | 3.1 | | 9.4 | | 12.8 | 31.0 | | 9.5 | 46 | 0.3 | 52.9 | | 9.5 | | 51.8 | 58.8 | B |
| 9.3 | | 34.8 | 47.3 | B | 9.5 | | 21.7 | 35.2 | | 9.3 | | 33.3 | 8.3 | | 9.5 | | 4.1 | 37.3 | | 8.0 | 58 | 0.3 | 27.8 | K |
| 9.5 | | 47.4 | 3.8 | | 9.4 | | 23.6 | 3.9 | B | 9.3 | | 30.9 | 25.3 | | 9.3 | | 9.5 | 46.2 | | 9.5 | | 7.5 | 44.0 | |
| 9.5 | | 56.2 | 14.4 | | 9.5 | | 25.2 | 36.7 | | 9.5 | | 36.9 | 22.8 | | 9.5 | | 12.9 | 19.4 | | ~~9.5~~ | | ~~9.8~~ | ~~7.6~~ | |
| 9.4 | 19 | 2.8 | 32.2 | | 9.3 | | 27.4 | 47.3 | | 8.5 | | 49.7 | 34.9 | B | 9.5 | | 18.5 | 34.0 | B | 9.4 | | 24.3 | 41.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.52 | 0.21 | | 10pr. | | 36.50 | 0.35 | | 10pr. | | 36.47 | 0.46 | | 10pr. | | 36.43 | 0.61 | | 10pr. | | 36.39 | 0.76 | |

| 1601—1660 | | | | 1661—1720 | | | | 1721—1780 | | | | 1781—1840 | | | | 1841—1900 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵃ—7ᵃ | +23° | | | 7ᵃ | +23° | | | 7ᵃ | +23° | | | 7ᵃ | +23° | | | 7ᵃ—8ᵃ | +23° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 9.3 | 58′ 23.″8 | 9.1 | | 9.5 | 8′ 56.6 | 59.8 | | 9.4 | 19′ 24.″7 | 42.5 | | 9.1 | 32′ 42.″6 | 4.4 | | 9.5 | 45′ 57.″4 | 56.0 | |
| 8.8 | 37.3 | 49.9 | | 9.5 | 58.0 | 6.2 | | 9.5 | 40.5 | 43.8 | | 8.8 | 44.6 | 31.3 | K | 9.5 | 58.7 | 39.8 | |
| 8.8 | 37.8 | 35.4 | | 9.1 | 9 3.3 | 54.4 | | 9.0 | 46.0 | 9.9 | | 9.1 | 44.8 | 8.2 | | 9.1 | 46 49.6 | 0.6 | K |
| 9.0 | 42.0 | 2.4 | | 9.3 | 11.5 | 55.6 | | 9.3 | 50.7 | 51.2 | | 9.0 | 52.6 | 51.6 | | 9.1 | 58.0 | 8.2 | |
| 9.0 | 43.3 | 10.6 | K | 9.4 | 32.7 | 17.0 | B | 9.5 | 55.4 | 58.8 | | 9.5 | 53.0 | 32.6 | | 9.4 | 47 5.6 | 18.7 | B |
| 9.5 | 45.8 | 21.6 | | 9.5 | 38.7 | 12.5 | | 9.5 | 20 8.2 | 12.6 | | 9.0 | 55.3 | 56.8 | B | 9.2 | 13.2 | 42.1 | *b* |
| 9.0 | 50.0 | 26.4 | | 9.1 | 42.9 | 43.7 | *b* | 8.7 | 9.5 | 6.9 | K | 8.5 | 58.1 | 25.0 | K | 9.5 | 15.8 | 23.0 | |
| 8.5 | 59 19.3 | 53.0 | K | 9.3 | 59.2 | 13.1 | B | 8.3 | 36.7 | 5.7 | K | 9.5 | 59.4 | 1.9 | | 9.5 | 25.3 | 52.2 | |
| 9.5 | 43.3 | 5.4 | | 9.4 | 59.4 | 10.1 | | 8.7 | 55.3 | 21.9 | L | 8.3 | 33 2.6 | 51.1 | L | 9.5 | 38.2 | 5.6 | |
| 9.5 | 44.8 | 44.3 | | 8.9 | 10 35.9 | 58.3 | K | 8.5 | 21 21.3 | 7.7 | K | 8.8 | 15.6 | 22.4 | K | 9.5 | 41.5 | 7.5 | |
| 9.3 | 57.0 | 59.4 | | 9.5 | 54.3 | 32.4 | | 9.5 | 25.0 | 57.1 | | 9.5 | 18.8 | 37.4 | | 9.3 | 48 6.2 | 5.5 | |
| 8.7 | 0 3.8 | 29.9 | K | 9.5 | 11 0.3 | 46.2 | | 8.9 | 34.2 | 6.5 | K | 7.8 | 25.1 | 15.2 | K | 9.5 | 14.8 | 34.6 | |
| 9.5 | 9.0 | 52.5 | | 9.5 | 14.0 | 2.0 | | 9.5 | 51.8 | 23.5 | | 9.5 | 43.0 | 36.4 | | 9.0 | 31.0 | 22.9 | |
| 9.0 | 19.8 | 45.7 | | 9.1 | 29.5 | 54.3 | | 8.6 | 54.2 | 15.0 | K | 9.5 | 56 6 | 12.4 | | 9.5 | 34.7 | 43.5 | |
| 9.5 | 24.5 | 12.0 | | 9.2 | 30.6 | 51.3 | | 9.4 | 22 13.2 | 58.2 | B | 8.3 | 34 20.8 | 36.1 | | 9.5 | 49 23.8 | 46.4 | |
| 9.5 | 26.2 | 57.9 | | 9.3 | 34.3 | 59.7 | | 9.1 | 52.3 | 11.2 | | var | 21.5 | 47.3 | *B* | 9.2 | 24.8 | 40.1 | |
| 8.3 | 30.0 | 52.8 | K | 9.5 | 38.0 | 46.5 | | 8.3 | 23 2.0 | 57.6 | L | 8.5 | 28.7 | 53.2 | | 9.5 | 32.0 | 25.9 | |
| 9.4 | 34.8 | 0.3 | | 9.5 | 45.0 | 3.3 | | 9.5 | 23.8 | 44.6 | | 9.5 | 37.6 | 45.5 | | 9.5 | 35.3 | 40.2 | |
| 9.5 | 35.5 | 17.0 | | 9.2 | 49.1 | 11.1 | | 9.5 | 26.7 | 37.4 | | 9.0 | 55.0 | 2.5 | | 9.4 | 54.4 | 49.9 | B |
| 9.4 | 37.8 | 36.8 | | 9.5 | 59.5 | 6.9 | | 9.1 | 37.8 | 30.8 | *b* | 9.5 | 35 40.4 | 57.6 | | 9.5 | 50 4.6 | 20.0 | |
| 9.5 | 57.1 | 55.3 | | 8.5 | 12 1.2 | 53.9 | K | 9.5 | 45.4 | 12.7 | | 7.0 | 50.0 | 41.2 | B | 9.4 | 10.1 | 43.4 | B |
| 9.5 | 1 7.7 | 5.3 | *b* | 9.5 | 10.4 | 45.9 | | 9.3 | 47.9 | 5.9 | | 9.5 | 59.3 | 15.4 | | 9.5 | 54.0 | 25.8 | |
| 9.5 | 11.8 | 9.1 | | 9.5 | 42.3 | 58.1 | | 8.8 | 24 10.0 | 46.4 | | 9.5 | 36 1.4 | 29.5 | | 7.3 | 51 4.6 | 34.9 | L |
| 9.5 | 15.1 | 55.0 | | 9.5 | 59.0 | 2.5 | | 6.0 | 11.1 | 12.3 | K | 9.4 | 17.8 | 37.3 | | 8.2 | 8.3 | 27.3 | L |
| 9.5 | 24.3 | 9.0 | | 8.8 | 13 0.7 | 30.9 | | 9.4 | 11.7 | 14.1 | B | 7.5 | 20.6 | 20.9 | *B* | 9.0 | 36.9 | 28.9 | |
| 9.1 | 26.6 | 5.4 | | 9.4 | 10.3 | 58.2 | | 9.5 | 23.3 | 12.9 | | 9.4 | 58.3 | 52.8 | | 6.5 | 52 21.1 | 59.8 | K |
| 9.3 | 45.7 | 34.9 | | 9.1 | 18.1 | 59.8 | | 9.0 | 27.6 | 9.1 | K | 9.1 | 37 20.4 | 56.3 | | 9.0 | 53 6.8 | 13.2 | |
| 9.2 | 47.8 | 35.5 | B | 9.5 | 18.6 | 5.2 | | 9.5 | 31.2 | 58.5 | | 8.0 | 28.5 | 53.9 | K | 9.1 | 7.4 | 28.0 | *b* |
| 9.2 | 58.6 | 37.5 | | 9.5 | 33.0 | 44.5 | | 9.4 | 47.4 | 7.8 | *a* | 9.5 | 38 37.3 | 43.8 | | 8.9 | 34.5 | 24.8 | |
| 9.4 | 2 0.4 | 15.2 | | 8.5 | 45.3 | 13.7 | K | 9.5 | 25 15.7 | 53.8 | B | 8.5 | 50.6 | 29.2 | *Kb* | 9.5 | 54 5.8 | 2.3 | |
| 9.5 | 4.9 | 36.8 | | 8.8 | 45.9 | 16.1 | K | 9.3 | 17.4 | 33.0 | *aB* | 9.5 | 57.7 | 52.5 | | 9.2 | 15.7 | 27.3 | B |
| 9.5 | 6.2 | 0.9 | | 8.4 | 48.0 | 24.3 | | 9.0 | 18.1 | 31.1 | K | 6.5 | 39 53.5 | 30.5 | *Kb* | 8.9 | 38.6 | 40.4 | |
| 9.0 | 15.8 | 19.0 | B | 9.5 | 50.8 | 41.8 | | 8.8 | 35.7 | 38.7 | *Kb* | 9.5 | 40 3.8 | 48.2 | | 9.3 | 45.8 | 28.7 | |
| 8.5 | 53.6 | 27.8 | K | 8.5 | 14 10.6 | 23.0 | K | 9.5 | 46.3 | 54.2 | | 9.5 | 4.9 | 56.6 | | 9.3 | 53.5 | 44.4 | |
| 9.4 | 3 6.1 | 3.1 | B | 9.0 | 26.5 | 4.8 | L | 9.1 | 47.0 | 6.4 | | 9.3 | 9.7 | 10.7 | K | 9.3 | 55 4.1 | 42.5 | |
| 9.0 | 7.6 | 40.1 | K | 9.5 | 33.8 | 44.7 | | 7.9 | 26 2.4 | 15.8 | B | 9.0 | 26.0 | 28.6 | B | 9.1 | 10.6 | 33.6 | |
| 9.5 | 21.4 | 55.0 | | 9.5 | 39.7 | 29.5 | | 9.4 | 14.4 | 48.4 | | 9.5 | 41.6 | 10.0 | | 8.5 | 20.0 | 47.7 | |
| 9.5 | 4 19.8 | 10.8 | | 6.5 | 46.1 | 12.9 | *Kb* | 9.5 | 18.6 | 44.6 | | 8.8 | 50.6 | 38.1 | | 9.5 | 27.5 | 9.2 | |
| 9.4 | 27.8 | 23.4 | | 9.5 | 58.7 | 48.7 | | 9.4 | 23.1 | 11.2 | | 9.4 | 41 0.8 | 50.2 | B | 9.5 | 40.5 | 6.2 | |
| 9.2 | 30.7 | 27.1 | | 9.3 | 15 29.1 | 5.7 | | 6.8 | 28.6 | 21.5 | L | 9.5 | 19.9 | 12.2 | | 9.5 | 43.4 | 21.8 | |
| 9.5 | 38.3 | 11.6 | | 9.5 | 29.5 | 21.9 | | 9.4 | 43.0 | 43.8 | B | 8.0 | 28.5 | 5.7 | K | 9.1 | 44.1 | 41.3 | |
| 9.5 | 48.0 | 14.0 | | 9.2 | 35.0 | 53.5 | | 9.3 | 57.6 | 38.8 | | 9.3 | 40.4 | 8.2 | *Kb* | 9.0 | 56 4.3 | 14.1 | |
| 9.5 | 5 2.0 | 28.0 | | 9.0 | 39.1 | 41.2 | | 9.5 | 27 24.8 | 42.3 | | 9.5 | 44.5 | 16.3 | | 9.5 | 25.2 | 57.0 | |
| 9.5 | 15.8 | 14.0 | | 8.5 | 40.3 | 12.0 | *Kb* | 9.5 | 35.7 | 20.5 | | 9.4 | 57.0 | 18.5 | | 9.5 | 40.6 | 28.8 | |
| 9.5 | 28.0 | 21.8 | | 9.5 | 45.8 | 14.1 | | 9.5 | 37.4 | 12.7 | | 9.0 | 59.4 | 24.3 | | 9.2 | 54.6 | 48.1 | |
| 9.1 | 48.3 | 53.0 | | 9.5 | 16 11.1 | 29.4 | B | 9.1 | 56.3 | 54.6 | K | 9.5 | 42 21.0 | 59.6 | | 9.0 | 57 40.8 | 46.1 | |
| 7.8 | 6 8.6 | 19.9 | K | 9.5 | 20.2 | 4.9 | | 9.5 | 28 50.5 | 56.8 | | 9.5 | 37.6 | 30.2 | | 6.0 | 42.9 | 2.9 | *Kb* |
| 8.3 | 26.3 | 29.5 | K | 9.5 | 32.8 | 44.2 | | 9.5 | 29 1.3 | 32.1 | | 8.9 | 51.7 | 19.5 | | 7.5 | 58 22.0 | 9.7 | K |
| 9.5 | 38.4 | 22.7 | | 9.5 | 17 7.3 | 14.2 | B | 9.5 | 28.8 | 12.6 | | 9.0 | 52.4 | 46.1 | | 9.5 | 33.1 | 12.0 | ? |
| 8.0 | 41.5 | 45.4 | K | 9.5 | 10.8 | 3.6 | | 9.5 | 35.0 | 56.8 | | 9.4 | 43 16.2 | 59.6 | | 9.4 | 34.0 | 26.1 | B |
| 9.1 | 49.2 | 40.7 | | 9.4 | 27.1 | 19.0 | | 9.4 | 38.7 | 57.6 | B | 9.5 | 24.3 | 45.5 | | 9.5 | 59 3.8 | 56.0 | |
| 9.4 | 7 23.6 | 12.0 | | 9.4 | 31.7 | 19.9 | | 9.2 | 41.8 | 7.5 | *b* | 8.4 | 44 8.9 | 52.2 | | 8.5 | 14.6 | 11.9 | K |
| 9.0 | 48.1 | 43.3 | B | 9.2 | 34.7 | 58.5 | | 9.1 | 57.9 | 50.2 | | 9.5 | 14.6 | 22.0 | | 9.5 | 32.1 | 12.0 | |
| 9.2 | 53.0 | 43.7 | B | 9.5 | 18 16.6 | 52.0 | | 9.5 | 30 9.7 | 34.4 | | 9.3 | 34.2 | 48.4 | | 9.0 | 39.8 | 36.1 | B |
| 9.4 | 8 9.3 | 25.6 | | 9.4 | 31.8 | 16.3 | B | 9.3 | 31 0.0 | 49.8 | | 9.5 | 35.1 | 34.9 | | 9.5 | 40.6 | 22.7 | |
| 9.3 | 24.6 | 40.6 | | 9.4 | 33.9 | 40.2 | | 9.2 | 37.7 | 11.2 | K | 9.3 | 45.8 | 28.5 | | 9.3 | 0 41.0 | 59.5 | |
| 9.2 | 27.2 | 55.7 | B | 9.3 | 35.4 | 25.0 | *b* | 8.5 | 44.0 | 31.8 | K | 9.5 | 45 4.3 | 49.3 | | 9.4 | 1 20.4 | 54.5 | |
| 9.5 | 27.7 | 48.7 | | 9.4 | 38.0 | 23.8 | | 9.5 | 55.7 | 51.7 | | 9.5 | 5.8 | 3.8 | | 9.4 | 52.5 | 28.7 | |
| 9.5 | 33.3 | 51.5 | | 9.4 | 19 0.6 | 43.5 | B | 8.2 | 32 3.3 | 34.6 | K | 9.5 | 9.7 | 1.2 | | 9.4 | 2 3.6 | 7.7 | |
| 9.4 | 52.0 | 11.2 | B | 9.4 | 19.6 | 15.3 | | 6.0 | 17.6 | 21.9 | K | 8.6 | 33.3 | 52.9 | | 9.5 | 17.0 | 27.0 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| *10pr.* | *36.32* | *0.90* | | *10pr.* | *36.23* | *1.06* | | *10pr.* | *36.13* | *1.21* | | *10pr.* | *36.00* | *1.40* | | *10pr.* | *35.83* | *1.59* | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵐ | | +23° | | | 8ᵐ | | +23° | | | 8ᵐ—9ᵐ | | +23° | | | 9ᵐ | | +23° | | | 9ᵐ—10ᵐ | | +23° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.1 | 2 | 19.8 | 9.5 | K | 9.5 | 19 | 16.0 | 19.5 | | 9.5 | 49 | 11.1 | 54.8 | | 9.2 | 13 | 22.0 | 25.7 | | 9.5 | 36 | 0.0 | 3.1 | |
| 9.3 | | 42.5 | 56.5 | | 9.5 | | 23.6 | 6.3 | | 9.5 | | 19.4 | 58.4 | | 9.4 | | 26.5 | 10.5 | | 9.5 | | 10.5 | 45.6 | |
| 9.1 | | 51.3 | 31.5 | | 9.3 | | 54.1 | 31.6 | | 8.3 | | 28.7 | 31.2 | K | 9.5 | | 31.4 | 2.8 | | 8.8 | | 42.4 | 57.2 | |
| 9.4 | | 52.0 | 27.3 | | 9.5 | 21 | 27.3 | 13.6 | | 9.3 | 50 | 30.0 | 18.1 | B | 9.4 | | 36.0 | 10.5 | | 9.4 | | 47.5 | 13.5 | |
| 8.3 | | 54.0 | 54.3 | K | 9.2 | | 51.5 | 6.5 | K | 9.5 | | 31.5 | 21.3 | | 9.5 | | 48.0 | 6.6 | | 9.0 | | 48.9 | 27.7 | |
| 8.9 | 3 | 21.1 | 49.2 | | 9.1 | 22 | 2.0 | 6.2 | K | 8.7 | | 37.5 | 18.1 | K | 9.4 | 14 | 2.5 | 9.0 | | 9.5 | 37 | 20.2 | 2.1 | |
| 9.0 | | 44.2 | 59.7 | | 9.0 | | 10.8 | 58.5 | | 8.0 | | 44.5 | 21.3 | K | 9.1 | | 17.1 | 11.7 | | 9.0 | 38 | 49.1 | 17.7 | |
| 9.1 | | 55.5 | 33.5 | | 9.4 | | 23.6 | 44 3 | | 9.5 | | 53.7 | 46.7 | | 9.3 | | 26.0 | 35.0 | | 9.4 | 39 | 43.6 | 10.6 | |
| 9.5 | 4 | 17.6 | 26.0 | | 9.3 | 24 | 16.5 | 49.4 | | 8.0 | 52 | 6.2 | 1.9 | K | 9.0 | | 27.3 | 55.7 | | 8.0 | 40 | 43.6 | 14.6 | K |
| 9.5 | | 35.9 | 57.3 | | 9.5 | | 24.9 | 55.0 | | 8.3 | | 8.5 | 17.1 | K | 8.7 | 15 | 21.8 | 26.7 | K | 9.1 | | 53.0 | 57.6 | b |
| 9.2 | 5 | 1.5 | 6.6 | K | 9.5 | | 27.3 | 59.8 | | 8.7 | | 30.1 | 22.2 | K | 9.5 | 16 | 43.2 | 56.4 | | 9.1 | 41 | 37.5 | 48.0 | |
| 9.5 | | 5.3 | 58.6 | | 9.5 | | 59.5 | 22.9 | | 9.5 | 53 | 16.3 | 5.5 | | 8.0 | | 44.3 | 24.4 | L | 9.5 | | 50.5 | 10.4 | B |
| 6.5 | | 7.2 | 35.2 | K | 9.1 | 25 | 59.6 | 43.7 | Bb | 9.2 | 54 | 39.9 | 39.7 | b | 8.9 | | 49.7 | 37.2 | | 9.5 | | 59.4 | 40.1 | |
| 9.2 | | 12.1 | 12.9 | | 9.0 | 26 | 48.0 | 12.3 | | 9.5 | | 52.8 | 48.7 | | 8.9 | 17 | 7.2 | 13.0 | K | 8.0 | 43 | 50.3 | 40.8 | B |
| 9.2 | | 36.6 | 26.9 | | 9.4 | 27 | 1.5 | 7.1 | | 7.3 | 55 | 2.4 | 11.2 | K | 8.8 | | 21.5 | 15.3 | K | 9.5 | | 55.1 | 0.5 | B |
| 9.4 | | 50.7 | 3.9 | | 9.5 | | 10.8 | 21.2 | | 9.5 | | 18.3 | 0.9 | | 8.8 | | 50.8 | 15.4 | K | 8.0 | 44 | 41.8 | 17.8 | K |
| 9.5 | | 55.0 | 14.2 | | 8.8 | | 42.9 | 58.0 | | 9.3 | | 24.0 | 48.4 | | 9.0 | 18 | 2.3 | 15.7 | K | 9.5 | 46 | 21.7 | 22.9 | |
| 8.6 | 6 | 12.8 | 9.1 | K | 8.6 | 28 | 26.5 | 45.0 | Kb | 9.5 | | 26.5 | 57.7 | | 9.5 | 19 | 20.5 | 25.0 | | 9.4 | | 48.5 | 41.2 | |
| 9.3 | 7 | 0.6 | 46.0 | | 9.3 | | 44.3 | 3.0 | | 9.4 | 56 | 36.0 | 2.1 | B | 8.2 | | 26.9 | 57.5 | K | 9.5 | 47 | 2.1 | 54.4 | |
| 9.5 | | 18.4 | 5.5 | | 9.5 | 29 | 28.5 | 37.1 | | 7.0 | | 38.4 | 26.3 | K | 9.0 | | 27.2 | 27.4 | | 8.8 | | 37.9 | 19.1 | K |
| 9.4 | | 23.0 | 52.3 | | 9.5 | | 37.5 | 47.4 | | 8.5 | 57 | 9.3 | 38.1 | K | 8.0 | | 29.8 | 36.4 | L | 8.7 | 48 | 22.0 | 49.4 | B |
| 8.7 | | 54.5 | 12.9 | K | 9.4 | | 45.1 | 1.9 | B | 9.5 | | 18.2 | 5.5 | | 8.0 | | 42.8 | 54.5 | K | 9.0 | 49 | 17.7 | 3.3 | |
| 9.0 | | 57.0 | 1.1 | | 9.5 | 30 | 17.5 | 8.5 | | 9.3 | | 45.1 | 32.6 | | 8.8 | 20 | 11.3 | 45.0 | K | 7.5 | | 59.9 | 22.5 | K |
| 8.5 | | 58.2 | 21.5 | K | 9.5 | | 22.0 | 23.9 | | 9.4 | 58 | 15.3 | 40.2 | | 9.5 | 22 | 41.5 | 0.2 | | 8.2 | 51 | 15.5 | 57.6 | Kb |
| 8.3 | 8 | 25.0 | 11.9 | K | 9.0 | | 46.9 | 18.5 | Kb | 8.2 | | 38.2 | 55.2 | Kb | 9.0 | | 52.1 | 50.5 | | 9.0 | | 26.6 | 21.9 | |
| 9.3 | | 42.3 | 1.0 | | 9.5 | 31 | 51.0 | 36.4 | | 9.5 | | 51.5 | 8.5 | | 9.5 | | 59.8 | 24.7 | | 9.5 | | 32.1 | 57.0 | |
| 9.3 | | 45.5 | 26.0 | | 9.5 | | 51.8 | 16.1 | | 8.4 | | 56.3 | 27.4 | K | 4.5 | 23 | 26.2 | 364 | Kb | 9.0 | 52 | 0.2 | 42.9 | |
| 9.3 | | 47.5 | 14.8 | B | 9.2 | | 57.1 | 57.7 | K | 6.5 | 59 | 5.2 | 33.6 | K | 9.1 | | 58.5 | 53.6 | b | 9.3 | | 27.8 | 9.0 | |
| 9.5 | 9 | 9.5 | 51.2 | | 9.5 | 32 | 17.5 | 33.3 | | 7.8 | | 32.7 | 2.4 | | 9.5 | 24 | 2.0 | 33.2 | | 9.5 | | 53.7 | 33.2 | |
| 9.5 | | 12.3 | 16.0 | | 9.2 | 33 | 1.6 | 21.3 | b | 9.0 | | 58 0 | 57.4 | K | 9.5 | | 15.5 | 56.1 | | 9.1 | 53 | 17.1 | 25.3 | b |
| 9.3 | | 57.6 | 37.2 | | 9.3 | | 21.5 | 46.0 | | 9.0 | 0 | 3.9 | 29.5 | | 9.5 | | 35.0 | 57.7 | | 9.5 | | 37.3 | 4.4 | |
| 9.0 | 10 | 56.0 | 45.5 | b | 9.2 | | 48.4 | 29.2 | K | 9.5 | | 24.2 | 44.4 | | 9.3 | 25 | 53.1 | 18.0 | b | 9.3 | | 43.2 | 42.5 | |
| 9.5 | 11 | 32.1 | 48.0 | | 9.5 | | 53.8 | 47.4 | B | 9.4 | 1 | 28.2 | 19.9 | | 9.4 | | 54.7 | 23.4 | | 9.4 | 54 | 21.6 | 11.8 | |
| 9.5 | 12 | 8.3 | 20.0 | | 9.3 | 34 | 51.7 | 2.1 | | 9.5 | | 36.2 | 6.8 | | 9.5 | 26 | 54.4 | 58.7 | | 8.8 | | 44.8 | 22.2 | |
| 9.5 | | 26.0 | 31.8 | | 8.2 | 35 | 18.9 | 13.8 | K | 7.9 | | 37.0 | 15.8 | K | 9.5 | | 59.1 | 0.8 | | 9.5 | 55 | 40.0 | 54.0 | |
| 9.5 | | 26.1 | 40.8 | | 9.5 | | 51.0 | 9.5 | | 9.5 | 2 | 1.5 | 33.7 | | 7.5 | 27 | 48.1 | 50.3 | K | 7 8 | 56 | 31.1 | 16.0 | K |
| 9.5 | | 44.2 | 54.2 | | 9.5 | 36 | 25.4 | 39.6 | B | 9.1 | | 11.9 | 8.6 | | 9.4 | | 59.9 | 59.4 | | 9.0 | 59 | 27.8 | 25.7 | b |
| 9.5 | | 46.0 | 49.2 | | 9.4 | | 25.8 | 54.0 | | 9.4 | | 52.3 | 43.0 | | 9.0 | 28 | 31.0 | 56.3 | | 9.4 | | 59.5 | 52.0 | |
| 8.2 | 13 | 19.0 | 25.0 | K | 9.0 | 39 | 7.0 | 37.1 | | 9.0 | 3 | 1.9 | 41.9 | K | 9.4 | | 41.5 | 1.3 | | 9.5 | 0 | 30.8 | 5.4 | |
| 8.5 | | 27.3 | 33.3 | Kb | 8.7 | | 58.9 | 56.1 | K | 9.0 | | 49.2 | 24.0 | | 7.0 | | 42.8 | 41.4 | K | 9.3 | 1 | 21.1 | 8.5 | |
| 8.9 | | 36.8 | 58.5 | | 9.5 | 40 | 33.5 | 29.8 | | 9.5 | 5 | 42.8 | 28.5 | | 9.1 | | 58.1 | 21.2 | | 9.5 | 2 | 6.3 | 46.3 | |
| 9.5 | 14 | 2.0 | 12.6 | | 9.5 | 41 | 34.7 | 18.5 | | 7.8 | 6 | 33.0 | 18.8 | K | 9.2 | 29 | 12.1 | 34.6 | | 9.1 | 3 | 13 8 | 59.1 | b |
| 9.5 | | 29.5 | 54.0 | | 9.5 | | 42.0 | 25.4 | | 7.5 | | 49.1 | 57.8 | K | 9.2 | | 14.2 | 40.6 | | 9.4 | | 35.8 | 48.3 | B |
| 9.1 | | 52.8 | 38.5 | K | 8.5 | 42 | 0.3 | 40.1 | Kb | 9.4 | | 50.9 | 42.0 | | 9.3 | | 44.0 | 10.2 | | 9.5 | | 54.9 | 10.8 | |
| 9.4 | 15 | 11.6 | 45.3 | | 9.3 | | 53.8 | 22.3 | | 9.0 | | 53.6 | 57.5 | K | 9.0 | | 50.5 | 36.7 | | 9.3 | | 58.2 | 41.8 | |
| 9.5 | | 17.1 | 38.4 | | 9.5 | 43 | 18.9 | 18.1 | | 9.4 | | 59.8 | 37.0 | B | 7.8 | 30 | 21.6 | 42.8 | K | 8.8 | 4 | 20.9 | 4.9 | |
| 9.4 | | 35.5 | 45.3 | | 9.2 | | 22.8 | 59.2 | | 7.8 | 7 | 5.3 | 24 1 | K | 9.0 | | 25.1 | 8.8 | | 9.3 | | 34.5 | 42.9 | |
| 9.3 | | 38.0 | 40.5 | | 9.0 | 44 | 30.4 | 51.3 | | 7.9 | 8 | 18.9 | 30.9 | L | 8.8 | | 28.5 | 37.1 | K | 9.5 | | 44.6 | 53.9 | |
| 9.4 | 16 | 55.6 | 13.0 | | 8.5 | | 41.5 | 15.4 | K | 9.5 | | 40.3 | 42.3 | | 9.5 | 31 | 10.6 | 57.2 | | 9.1 | | 48.8 | 9.8 | |
| 9.1 | | 56.7 | 32.7 | b | 9.5 | 45 | 19 5 | 23.3 | | 9.5 | 9 | 5.1 | 52.6 | | 9.1 | | 24.1 | 30.1 | b | 8.3 | 5 | 1.5 | 34.3 | K |
| 9.5 | 17 | 10.5 | 19.0 | | 9.1 | | 28.5 | 18.1 | K | 9.5 | | 7.7 | 56.3 | | 9.4 | | 44.9 | 0.4 | | 9.5 | | 11.5 | 25.7 | |
| 9.5 | | 22.2 | 45.8 | | 8.5 | 46 | 0.6 | 34.1 | | 6.5 | | 27.2 | 41.3 | K | 9.5 | 32 | 26.5 | 10.1 | | 9.4 | | 33.0 | 18.8 | |
| 9.5 | | 32.1 | 11.2 | B | 9.4 | | 24.5 | 20.6 | | 9.4 | 10 | 17.7 | 0.9 | | 9.1 | | 46.1 | 59.2 | | 9.5 | | 35.0 | 14.5 | B |
| 9.4 | | 37.1 | 25.5 | | 9.5 | | 56.0 | 36.7 | | 8.6 | | 33.8 | 30.9 | K | 9.5 | | 55.2 | 9.5 | B | 9.3 | | 55.9 | 56.1 | |
| 9 2 | | 45.8 | 25.8 | B | 8.5 | 47 | 36.4 | 37.1 | K | 9.3 | 11 | 16.3 | 24.0 | | 9.0 | | 58.1 | 20.1 | K | 9.5 | | 58.0 | 10.6 | B |
| 9.3 | 18 | 19.5 | 51.8 | | 9.1 | | 44.7 | 47.6 | B | 9.5 | | 23.1 | 13.0 | | 9.4 | 33 | 21.0 | 14.1 | | 8.9 | 6 | 5.7 | 29.1 | |
| 9.3 | | 26.0 | 57.0 | | 9.4 | | 45.2 | 49.7 | | 9.5 | | 26.4 | 0.2 | | 9.3 | | 24.5 | 13.0 | | 9.3 | | 41.3 | 43.0 | B |
| 8.7 | | 27.7 | 50.5 | | 9.2 | | 51.6 | 53.5 | | 8.2 | 12 | 23.8 | 15.8 | K | 9.1 | | 38.3 | 32.8 | b | 9.5 | 7 | 6.8 | 51.5 | B |
| 9.5 | | 42.8 | 7.1 | | 9.5 | 48 | 31.1 | 35.3 | | 7.9 | 13 | 4.0 | 31.0 | K | 8.0 | | 48.2 | 58.1 | K | 9.3 | | 11.9 | 50.2 | |
| 7.8 | | 54.3 | 37.5 | K | 9.2 | | 34.2 | 54.8 | | 7.8 | | 19.8 | 22.7 | K | 9.5 | 35 | 4.2 | 14.4 | | 9.2 | | 20.5 | 8.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.63 | 1.79 | | 10pr. | | 35.28 | 2.07 | | 10pr. | | 34.83 | 2.36 | | 10pr. | | 34.87 | 2.60 | | 10pr. | | 33.77 | 2.84 | |

2201—2260

| | 10ᵘ | +23° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 7 27.1 | 31.5 | |
| 9.1 | 8 35.9 | 39.0 | |
| 9.4 | 50.0 | 2.1 | |
| 9.1 | 52.8 | 12.4 | |
| 9.2 | 56.7 | 26.8 | |
| 9.5 | 9 10.1 | 32.4 | |
| 6.5 | 16.1 | 50.3 | K |
| 9.1 | 24.4 | 4.7 | b |
| 8.5 | 22.8 | 57.6 | K |
| 9.5 | 10 37.9 | 29.8 | |
| 9.5 | 42.8 | 16.3 | |
| 9.3 | 11 31.0 | 20.4 | |
| 7.9 | 37.1 | 14.0 | B |
| 9.1 | 13 43.6 | 31.3 | b |
| 9.4 | 48.0 | 54.9 | |
| 9.3 | 14 27.3 | 33.3 | |
| 8.8 | 15 3.2 | 56.7 | |
| 9.5 | 16 12.3 | 32.5 | |
| 9.5 | 28.8 | 45.3 | |
| 9.2 | 17 31.2 | 56.1 | |
| 8.7 | 39.9 | 50.1 | K |
| 9.5 | 40.5 | 59.8 | B |
| 9.0 | 18 11.8 | 27.0 | |
| 9.4 | 23.1 | 13.3 | |
| 9.5 | 46.2 | 10.8 | B |
| 8.9 | 19 9.2 | 57.2 | |
| 8.7 | 12.2 | 30.3 | B |
| 9.4 | 15.0 | 36.5 | B |
| 9.4 | 21.4 | 4.5 | |
| 9.0 | 41.1 | 41.7 | |
| 9.4 | 20 7.8 | 14.2 | |
| 9.5 | 24.8 | 52.2 | B |
| 9.5 | 54.7 | 10.8 | |
| 9.3 | 21 22.4 | 48.1 | Bb |
| 9.3 | 23 12.8 | 10.6 | |
| 9.0 | 24 13.3 | 10.9 | |
| 8.8 | 14.4 | 21.9 | |
| 9.5 | 25 8.2 | 47.8 | B |
| 8.8 | 18.8 | 34.6 | |
| 9.5 | 41.5 | 13.0 | B |
| 8.6 | 57.3 | 33.3 | |
| 9.5 | 29 41.3 | 22.6 | b |
| 9.5 | 30 19.5 | 6.3 | |
| 9.5 | 26.7 | 58.8 | |
| 9.4 | 34.8 | 30.1 | b |
| 9.4 | 31 26.8 | 12.7 | |
| 9.5 | 34.8 | 41.5 | |
| 9.5 | 35.9 | 7.7 | |
| 9.5 | 32 10.3 | 25.4 | |
| 9.5 | 11.5 | 44.4 | B |
| 9.5 | 33 57.8 | 39.8 | |
| 9.1 | 34 5.9 | 13.3 | b |
| 5.5 | 35 31.8 | 57.2 | K |
| 9.2 | 36 21.0 | 39.5 | |
| 9.5 | 22.0 | 26.3 | B |
| 9.5 | 47.6 | 35.6 | B |
| 9.3 | 38 30.5 | 55.7 | |
| 9.0 | 32.8 | 39.5 | K |
| 9.0 | 39 18.9 | 0.1 | L |
| 9.4 | 21.2 | 4.0 | |
| | + | — | |
| 10pr. | 33.17 | 3.03 | |

2261—2320

| | 10ᵘ—11ᵘ | +23° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.0 | 39 25.8 | 20.6 | K |
| 9.0 | 47.7 | 21.7 | K |
| 9.1 | 53.9 | 37.5 | |
| 8.5 | 41 47.0 | 35.8 | K |
| 7.8 | 59.1 | 56.6 | K |
| 9.5 | 42 0.7 | 44.0 | |
| 9.1 | 30.7 | 19.6 | b |
| 9.5 | 43 20.2 | 43.0 | B |
| 9.1 | 48.5 | 39.9 | b |
| 9.5 | 50.7 | 45.4 | |
| 9.0 | 44 49.0 | 57.6 | |
| 9.4 | 59.6 | 32.0 | |
| 9.4 | 45 1.5 | 20.8 | B |
| 9.2 | 23.2 | 2.7 | |
| 9.4 | 44.7 | 24.2 | B |
| 8.7 | 46 41.7 | 43.0 | K |
| 7.3 | 47 41.5 | 56.2 | K |
| 9.5 | 48 4.3 | 30.3 | |
| 6.2 | 28.1 | 7.9 | K |
| 9.5 | 45.0 | 32.6 | |
| 9.5 | 55.5 | 1.9 | |
| 9.5 | 49 46.8 | 30.6 | |
| 9.5 | 52.3 | 43.3 | |
| 9.5 | 50 2.3 | 13.7 | |
| 9.4 | 40.4 | 10.1 | |
| 9.3 | 51 7.2 | 55.7 | |
| 9.3 | 51.7 | 36.8 | |
| 8.7 | 52 1.7 | 43.7 | Kb |
| 9.4 | 1.7 | 13.1 | B |
| 9.4 | 8.6 | 51.7 | |
| 9.4 | 31.5 | 10.9 | B |
| 9.5 | 33.8 | 28.9 | |
| 8.8 | 53 41.9 | 18.0 | |
| 9.4 | 45.2 | 21.5 | B |
| 9.2 | 47.7 | 47.1 | |
| 9.5 | 55.7 | 2.3 | B |
| 8.5 | 54 16.3 | 22.3 | Kb |
| 9.5 | 34.9 | 4.2 | |
| 9.3 | 58.3 | 18.5 | |
| 9.0 | 55 9.7 | 48.6 | |
| 9.0 | 12.4 | 54.8 | |
| 9.4 | 50.6 | 54.4 | |
| 8.2 | 56 10.4 | 56.6 | K |
| 9.5 | 12.6 | 46.3 | |
| 9.3 | 14.9 | 49.6 | B |
| 8.5 | 58 3.7 | 27.8 | K |
| 9.5 | 59 29.6 | 28.1 | B |
| 8.0 | 0 9.0 | 46.3 | K |
| 9.3 | 39.7 | 27.4 | |
| 8.8 | 1 8.5 | 42.3 | K |
| 9.3 | 25.1 | 52.4 | |
| 9.5 | 2 4.3 | 42.0 | |
| 7.5 | 36.3 | 29.2 | K |
| 9.4 | 3 21.5 | 53.2 | B |
| 9.5 | 22.3 | 42.0 | |
| 9.4 | 4 15.0 | 37.5 | B |
| 9.3 | 38.3 | 24.7 | b |
| 9.5 | 5 52.8 | 12.7 | |
| 9.3 | 6 1.6 | 59.6 | |
| 9.3 | 22.2 | 44.8 | |
| | + | — | |
| 10pr. | 32.41 | 3.20 | |

2321—2380

| | 11ᵘ | +23° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 7 23.7 | 8.6 | |
| 5.0 | 29.6 | 53.4 | Kb |
| 9.1 | 31.8 | 0.5 | B |
| 9.2 | 40.9 | 0.1 | K |
| 9.5 | 8 16.3 | 34.0 | |
| 9.3 | 40.5 | 23.9 | |
| 9.0 | 9 5.9 | 3.6 | Kb |
| 9.4 | 16.3 | 15.2 | |
| 8.1 | 43.7 | 36.8 | K |
| 9.5 | 11 45.0 | 6.7 | |
| 8.9 | 12 11.6 | 49.9 | Kb |
| 8.8 | 18.5 | 39.1 | |
| 9.4 | 27.6 | 32.5 | |
| 9.5 | 50.5 | 50.3 | B |
| 9.2 | 56.1 | 34.7 | B |
| 8.5 | 13 2.3 | 40.9 | S |
| 9.0 | 14 10.0 | 28.6 | |
| 9.0 | 34.0 | 51.3 | |
| 9.2 | 37.8 | 37.5 | |
| 9.2 | 51.4 | 38.1 | R |
| 9.3 | 15 5.3 | 27.1 | |
| 9.1 | 11.0 | 16.5 | |
| 9.5 | 16 12.9 | 46.3 | |
| 9.5 | 37.9 | 40.0 | |
| 9.5 | 56.5 | 39.6 | |
| 9.5 | 17 28.8 | 27.5 | |
| 9.0 | 18 4.0 | 39.2 | |
| 9.2 | 18.9 | 0.2 | b |
| 7.0 | 30.3 | 31.3 | K |
| 9.2 | 20 9.4 | 49.5 | |
| 9.3 | 17.1 | 36.6 | B |
| 9.5 | 28.1 | 18.3 | B |
| 8.2 | 30.2 | 59.3 | B |
| 9.3 | 22 30.0 | 47.6 | |
| 9.0 | 30.9 | 24.8 | |
| 8.8 | 23 9.6 | 3.8 | K |
| 9.1 | 44.7 | 30.0 | |
| 7.5 | 45.6 | 37.6 | K |
| 9.4 | 24 12.8 | 27.9 | B |
| 9.0 | 18.6 | 37.2 | |
| 8.0 | 26 45.6 | 41.1 | K |
| 9.5 | 27 12.4 | 3.8 | |
| 9.5 | 23.9 | 58.2 | |
| 9.3 | 40.3 | 37.5 | |
| 8.5 | 29 2.6 | 11.8 | |
| 9.5 | 50.1 | 23.5 | |
| 9.3 | 30 41.1 | 44.4 | b |
| 9.3 | 31 0.8 | 12.0 | |
| 9.5 | 11.9 | 34.8 | |
| 9.0 | 32 11.4 | 53.2 | |
| 9.4 | 21.6 | 10.2 | B |
| 9.5 | 22.4 | 57.6 | |
| 8.8 | 33 3.5 | 10.6 | |
| 9.5 | 34 5.6 | 12.7 | |
| 6.5 | 34.6 | 1.1 | K |
| 9.4 | 35 28.6 | 12.6 | |
| 9.5 | 40.6 | 14.4 | |
| 9.5 | 53.4 | 2.8 | B |
| 9.5 | 56.4 | 4.6 | |
| 8.6 | 37 2.0 | 10.6 | |
| | + | — | |
| 10pr. | 31.72 | 3.29 | |

2381—2440

| | 11ᵘ—12ᵘ | +23° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 37 17.3 | 2.3 | |
| 9.0 | 26.1 | 18.6 | |
| 9.2 | 38 26.6 | 10.6 | |
| 9.5 | 39 11.1 | 43.8 | |
| 9.0 | 14.4 | 15.0 | B |
| 9.4 | 22.2 | 6.4 | B |
| 9.5 | 58.5 | 19.1 | |
| 9.1 | 40 4.5 | 47.4 | Bb |
| 9.4 | 12.8 | 41.4 | |
| 9.1 | 29.3 | 39.4 | |
| 9.4 | 41 9.7 | 58.4 | |
| 9.0 | 59.8 | 18.1 | K |
| 9.5 | 42 9.5 | 15.4 | |
| 9.0 | 43 23.3 | 43.6 | |
| 9.5 | 25.5 | 2.1 | |
| 8.5 | 33.8 | 32.6 | Kb |
| 9.0 | 44 39.9 | 14.7 | |
| 9.5 | 45 2.1 | 55.6 | |
| 9.0 | 3.7 | 31.5 | L |
| 9.3 | 21.4 | 32.5 | |
| 8.9 | 58.3 | 42.5 | |
| 8.6 | 46 31.7 | 26.7 | K |
| 9.5 | 48 13.9 | 48.4 | B |
| 8.2 | 14.0 | 26.8 | L |
| 9.1 | 19.3 | 28.9 | L |
| 9.5 | 49 1.2 | 31.8 | |
| 7.8 | 50.3 | 26.8 | K |
| 8.3 | 52.6 | 47.0 | Kb |
| 9.5 | 50 38.7 | 14.4 | |
| 9.5 | 51 59.4 | 52.5 | |
| 8.3 | 53 0.0 | 20.9 | |
| 9.5 | 52.7 | 55.3 | b |
| 9.0 | 58 11.7 | 33.2 | |
| 9.3 | 21.6 | 58.7 | |
| 9.5 | 59 22.8 | 55.0 | |
| 9.2 | 45.4 | 3.6 | |
| 7.0 | 0 5.1 | 51.3 | K |
| 9.5 | 23.3 | 50.8 | |
| 9.5 | 25.0 | 44.6 | |
| 9.0 | 45.5 | 2.3 | K |
| 9.4 | 1 17.2 | 30.9 | |
| 8.7 | 2 8.7 | 55.6 | K |
| 7.3 | 36.3 | 26.7 | K |
| 9.4 | 42.9 | 1.2 | B |
| 9.5 | 3 31.2 | 24.6 | |
| 7.5 | 35.2 | 39.8 | K |
| 9.3 | 39.8 | 43.6 | |
| 8.7 | 48.7 | 56.7 | K |
| 7.5 | 57.8 | 24.0 | L |
| 9.5 | 4 27.5 | 38.0 | B |
| 8.3 | 38.7 | 54.0 | K |
| 9.1 | 5 44.4 | 26.6 | K |
| 8.0 | 6 22.5 | 41.5 | K |
| 9.4 | 56.1 | 38.8 | B |
| 9.5 | 7 24.2 | 54.2 | |
| 8.7 | 53.1 | 3.1 | |
| 9.5 | 8 35.4 | 34.1 | |
| 8.5 | 9 8.9 | 13.2 | K |
| 9.4 | 40.7 | 28.8 | |
| 9.2 | 41.0 | 27.6 | B |
| | + | — | |
| 10pr. | 30.92 | 3.34 | |

2441—2500

| | 12ᵘ | +23° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.7 | 10 0.8 | 0.5 | K |
| 8.8 | 32.9 | 39.1 | K |
| 9.4 | 40.0 | 5.3 | |
| 8.9 | 48.1 | 6.7 | |
| 8.5 | 50.9 | 30.4 | K |
| 9.5 | 11 6.4 | 50.3 | |
| 8.5 | 17.1 | 56.1 | K |
| 6.3 | 59.8 | 50.4 | Kb |
| 8.3 | 12 4.9 | 20.8 | |
| 9.4 | 22.0 | 16.3 | |
| 8.0 | 13 23.5 | 42.8 | K |
| 9.5 | 44.4 | 47.1 | |
| 8.4 | 15 5.9 | 16.2 | B |
| 9.4 | 6.5 | 12.9 | |
| 9.0 | 29.2 | 39.1 | Kb |
| 9.5 | 16 10.9 | 39.1 | |
| 9.5 | 17 41.4 | 20.8 | |
| 8.3 | 46.5 | 44.8 | K |
| 9.5 | 19 9.4 | 28.6 | |
| 9.3 | 13.1 | 54.6 | B |
| 9.3 | 24.1 | 50.3 | |
| 9.5 | 41.4 | 35.5 | |
| 9.3 | 20 49.6 | 56.7 | b |
| 9.4 | 21 51.2 | 56.1 | |
| 8.3 | 23 4.9 | 12.9 | K |
| 8.2 | 9.7 | 41.0 | B |
| 7.4 | 24 30.5 | 45.6 | K |
| 9.3 | 31.0 | 19.6 | |
| 9.2 | 39.5 | 21.2 | |
| 9.5 | 56.9 | 10.8 | |
| 9.0 | 25 29.9 | 48.7 | K |
| 9.5 | 26 4.4 | 11.8 | |
| 9.5 | 15.9 | 17.2 | |
| 9.5 | 43.9 | 21.8 | |
| 4.8 | 27 37.4 | 25.9 | K |
| 8.3 | 43.5 | 56.6 | K |
| 9.3 | 28 42.1 | 4.0 | K |
| 9.4 | 30 54.9 | 26.3 | |
| 7.0 | 31 49.4 | 26.7 | K |
| 9.4 | 32 18.9 | 33.9 | |
| 9.4 | 26.7 | 21.9 | |
| 9.5 | 59.8 | 6.0 | |
| 9.3 | 33 11.8 | 49.0 | K |
| 9.3 | 27.9 | 46.6 | K |
| 9.5 | 42.3 | 39.1 | |
| 9.1 | 42.9 | 24.2 | b |
| 9.5 | 56.0 | 49.0 | |
| 9.5 | 34 19.8 | 57.2 | |
| 9.5 | 35 52.2 | 59.2 | |
| 9.3 | 37 7.6 | 47.8 | Bb |
| 8.8 | 39 44.9 | 15.0 | Kb |
| 7.9 | 56.5 | 22.9 | K |
| 9.4 | 40 14.9 | 52.7 | |
| 7.6 | 43.6 | 30.6 | B |
| 9.5 | 54.8 | 4.7 | |
| 9.5 | 57.4 | 54.2 | |
| 9.5 | 41 43.3 | 54.8 | |
| 9.3 | 52.9 | 48.6 | K |
| 9.5 | 42 21.8 | 44.2 | |
| 8.9 | 27.0 | 55.3 | K |
| | + | — | |
| 10pr. | 30.08 | 3.32 | |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ—13ᵘ | | +23° | | | 13ᵘ | | +23° | | | 13ᵘ—14ᵘ | | +23° | | | 14ᵘ | | +23° | | | 14ᵘ—15ᵘ | | +23° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 42 | 48.7 | 51.0 | B | 9.0 | 12 | 43.4 | 49.7 | | 8.8 | 44 | 3.0 | 51.1 | | 9.5 | 13 | 11.4 | 5.6 | | 8.7 | 42 | 30.1 | 46.8 | B |
| 6.5 | 43 | 6.5 | 39.4 | L | 8.5 | 14 | 6.5 | 13.6 | L | 9.1 | | 5.5 | 48.7 | | 9.1 | | 30.9 | 42.0 | R | 9.4 | | 38.6 | 46.8 | |
| 9.5 | | 14.5 | 9.0 | | 9.5 | | 56.6 | 7.4 | | 8.0 | | 45.3 | 28.8 | K | 9.5 | | 31.0 | 50.9 | | 9.4 | | 51.4 | 49.2 | |
| 9.0 | | 30.0 | 53.7 | K | 8.0 | | 59.0 | 4.3 | Kb | 9.0 | 45 | 51.9 | 57.5 | K | 9.5 | 14 | 47.5 | 7.6 | | 7.0 | 43 | 11.7 | 38.2 | L |
| 9.1 | | 37.4 | 1.0 | b | 9.0 | 16 | 43.3 | 18.0 | K | 9.5 | 46 | 12.0 | 6.3 | | 9.5 | 15 | 9.2 | 31.0 | | 9.3 | | 52.7 | 50.8 | K |
| 8.8 | 44 | 6.4 | 48.4 | K | 9.5 | 17 | 4.9 | 42.5 | | 9.4 | | 13.8 | 38.9 | | 9.5 | | 16.8 | 8.0 | | 9.5 | | 58.2 | 51.2 | |
| 9.4 | | 24.5 | 2.8 | | 9.5 | | 33.8 | 20.8 | | 9.3 | | 15.8 | 21.9 | | 9.1 | 16 | 15.2 | 52.9 | b | 7.9 | 44 | 15.3 | 30.6 | K |
| 9.5 | | 38.0 | 19.4 | | 8.3 | | 36.7 | 57.3 | K | 9.0 | | 26.7 | 29.0 | B | 8.9 | | 28.5 | 17.6 | B | 9.4 | 45 | 27.2 | 26.4 | |
| 9.5 | 47 | 18.4 | 59.0 | b | 8.8 | 19 | 45.4 | 34.2 | | 9.5 | 47 | 17.8 | 29.7 | | 9.5 | | 43.2 | 20.1 | | 8.2 | 46 | 14.7 | 57.3 | K |
| 8.8 | 48 | 38.6 | 10.0 | R | 8.4 | | 45.4 | 4.4 | | 9.3 | 48 | 6.4 | 48.9 | B | 9.0 | 17 | 21.2 | 11.7 | K | 9.5 | 47 | 15.9 | 28.2 | |
| 9.4 | 49 | 35.6 | 36.4 | | 8.4 | 20 | 15.9 | 42.8 | K | 7.3 | 49 | 2.8 | 24.3 | K | 9.3 | | 48.2 | 43.0 | | 8.5 | | 22.4 | 56.2 | K |
| 9.5 | | 49.6 | 51.2 | | 9.5 | | 47.1 | 32.9 | B | 9.3 | | 56.0 | 4.1 | | 8.5 | 18 | 8.7 | 19.6 | K | 9.1 | 48 | 41.8 | 58.7 | K |
| 9.2 | 50 | 42.8 | 39.5 | K | 9.5 | 21 | 20.2 | 40.8 | | 9.3 | 50 | 53.9 | 9.6 | | 9.5 | | 19.0 | 35.8 | | 9.5 | 49 | 34.3 | 22.0 | b |
| 9.2 | | 51.8 | 37.2 | K | 9.5 | | 20.3 | 24.9 | | 9.5 | | 59.4 | 33.5 | | 8.4 | 19 | 15.9 | 29.4 | L | 9.5 | 52 | 20.8 | 33.5 | B |
| 9.3 | 51 | 31.0 | 46.7 | | 7.5 | 23 | 36.4 | 16.7 | K | 9.3 | 51 | 1.7 | 4.2 | | 9.5 | | 52.7 | 30.5 | | 9.1 | | 24.4 | 12.7 | b |
| 8.3 | | 40.6 | 1.0 | K | 9.4 | 24 | 24.9 | 51.5 | | 8.8 | | 51.8 | 34.5 | | 9.3 | 20 | 36.1 | 27.0 | | 9.3 | 53 | 4.7 | 43.0 | K |
| 9.5 | | 46.5 | 43.6 | | 9.2 | 25 | 10.3 | 10.1 | | 9.4 | 52 | 12.8 | 12.5 | | 9.4 | | 43.0 | 18.0 | | 9.4 | | 38.9 | 15.1 | |
| 9.5 | 52 | 36.7 | 6.6 | | 8.0 | | 19.4 | 55.6 | B | 7.8 | | 23.3 | 9.2 | K | 8.6 | | 46.6 | 22.0 | K | 9.1 | | 43.9 | 14.2 | Kb |
| 8.5 | | 46.1 | 32.6 | K | 9.4 | | 25.8 | 7.0 | | 9.2 | | 23.7 | 26.3 | B | 9.5 | 22 | 41.3 | 40.5 | | 9.4 | | 48.4 | 1.5 | |
| 9.0 | | 52.5 | 56.1 | | 9.1 | | 36.9 | 15.2 | b | 9.0 | | 34.8 | 34.5 | K | 9.4 | 23 | 10.0 | 27.3 | | 9.5 | 55 | 7.0 | 33.2 | |
| 9.2 | 53 | 26.1 | 24.3 | | 9.1 | | 46.3 | 13.9 | | 9.0 | | 54.0 | 35.2 | | 9.4 | | 11.6 | 40.1 | B | 9.5 | | 37.0 | 1.2 | |
| 9.5 | | 44.0 | 29.9 | | 9.3 | | 51.3 | 26.3 | | 8.5 | | 56.9 | 38.6 | K | 9.4 | | 17.5 | 52.1 | Bb | 9.5 | 56 | 13.3 | 2.1 | |
| 9.0 | 54 | 12.8 | 29.1 | K | 9.5 | 26 | 11.2 | 54.2 | | 9.2 | 54 | 45.5 | 54.9 | K | 9.5 | | 23.9 | 14.5 | | 9.5 | 57 | 22.9 | 9.4 | |
| 9.3 | | 31.7 | 50.0 | B | 8.8 | | 26.9 | 45.9 | S | 6.5 | 56 | 36.3 | 11.9 | K | 9.5 | 24 | 17.7 | 9.0 | | 8.8 | | 53.8 | 44.1 | K |
| 9.3 | | 34.8 | 55.0 | | 8.6 | | 53.9 | 27.0 | L | 9.5 | 57 | 15.8 | 14.7 | | 9.5 | 25 | 15.8 | 29.6 | | 9.5 | 58 | 7.3 | 53.5 | |
| 9.3 | | 40.7 | 35.7 | B | 9.1 | 27 | 45.8 | 47.4 | b | 9.5 | | 37.3 | 48.0 | | 8.6 | 26 | 35.7 | 33.7 | K | 9.3 | | 16.3 | 47.6 | |
| 9.4 | | 52.4 | 58.2 | | 6.5 | 28 | 21.9 | 14.6 | K | 7.3 | 58 | 57.8 | 26.3 | K | 9.1 | | 47.8 | 0.7 | | 9.3 | | 25.9 | 34.5 | |
| 7.5 | 55 | 33.8 | 44.7 | K | 7.5 | | 31.5 | 33.0 | K | 9.4 | 59 | 4.6 | 54.3 | | 9.0 | 27 | 2.9 | 48.7 | L | 9.3 | | 27.4 | 9.7 | |
| 9.5 | | 46.7 | 3.5 | | 9.0 | 29 | 55.5 | 30.4 | | 9.5 | 0 | 15.3 | 42.1 | | 9.1 | | 49.2 | 14.5 | b | 9.3 | | 43.1 | 32.9 | |
| 6.7 | | 55.3 | 25.1 | K | 9.5 | 30 | 53.9 | 47.4 | | 9.1 | | 18.6 | 54.5 | | 6.3 | 29 | 33.7 | 53.2 | R | 9.5 | | 58.1 | 37.4 | B |
| 7.0 | | 59.6 | 58.9 | K | 6.5 | 31 | 9.9 | 15.6 | K | 8.9 | | 31.8 | 50.9 | | 9.0 | | 48.3 | 37.5 | | 9.5 | 59 | 25.0 | 21.9 | |
| 8.8 | 56 | 58.5 | 4.2 | | 9.5 | | 47.3 | 42.0 | | 8.7 | | 39.3 | 9.4 | L | 9.5 | 30 | 12.5 | 57.5 | | 8.5 | | 25.3 | 14.9 | K |
| 9.5 | 57 | 4.6 | 11.5 | | 8.4 | | 49.5 | 27.7 | K | 8.3 | 1 | 33.8 | 15.6 | K | 9.5 | | 41.2 | 58.8 | B | 9.1 | | 28.8 | 55.9 | K |
| 9.5 | | 49.5 | 7.4 | | 9.5 | | 54.3 | 41.8 | B | 9.5 | 2 | 9.3 | 25.1 | B | 9.5 | | 56.3 | 43.3 | | 9.4 | 0 | 18.4 | 9.3 | |
| 9.2 | 58 | 44.7 | 40.6 | B | 9.5 | 32 | 46.6 | 18.0 | | 9.5 | | 15.3 | 52.5 | | 9.5 | 31 | 32.4 | 43.3 | | 7.6 | | 48.5 | 7.6 | B |
| 8.8 | | 54.1 | 43.8 | K | 9.3 | | 47.5 | 4.1 | | 9.5 | | 22.6 | 28.9 | | 9.3 | 32 | 49.0 | 32.0 | | 7.3 | | 50.8 | 28.6 | Kb |
| 6.5 | 59 | 18.6 | 3.1 | K | 8.9 | 33 | 21.1 | 12.0 | | 8.5 | | 59.4 | 51.7 | Kb | 9.2 | 33 | 5.3 | 27.9 | b | 9.5 | 1 | 18.7 | 47.5 | |
| 5.8 | | 20.6 | 24.4 | K | 9.1 | | 24.7 | 15.3 | K | 9.5 | 3 | 5.3 | 25.6 | | 9.5 | 34 | 12.7 | 55.6 | | 8.9 | 2 | 27.3 | 32.9 | |
| 9.3 | 0 | 12.5 | 13.7 | K | 9.5 | | 30.2 | 25.2 | | 9.3 | 4 | 6.8 | 9.4 | | 9.2 | | 21.1 | 31.5 | | 9.4 | | 52.9 | 5.8 | |
| 9.4 | | 54.3 | 54.3 | | 5.5 | 34 | 13.9 | 16.6 | Kb | 9.1 | | 32.8 | 30.8 | | 9.3 | | 37.1 | 58.2 | | 8.7 | | 53.2 | 21.5 | L |
| 8.9 | 1 | 41.6 | 44.8 | B | 8.0 | 35 | 14.4 | 21.8 | L | 8.1 | | 33.1 | 21.6 | K | 9.0 | | 47.7 | 56.2 | K | 9.2 | | 59.4 | 5.1 | B |
| 9.1 | 2 | 20.4 | 0.0 | Kb | 9.3 | 36 | 10.9 | 52.1 | | 7.5 | 5 | 54.3 | 4.1 | K | 9.5 | 35 | 15.3 | 21.0 | | 8.5 | 4 | 12.7 | 12.3 | K |
| 8.8 | 4 | 54.9 | 58.6 | B | 9.4 | | 15.5 | 37.4 | | 9.5 | | 59.8 | 13.2 | | 9.5 | | 35.2 | 19.0 | | 9.2 | 5 | 18.4 | 59.5 | b |
| 9.3 | | 56.0 | 59.2 | a | 9.5 | | 27.5 | 9.2 | B | 9.0 | 7 | 2.8 | 21.2 | L | 9.4 | 36 | 2.6 | 21.0 | B | 8.6 | | 25.3 | 35.6 | |
| 9.4 | | 57.0 | 56.9 | | 8.7 | | 44.4 | 39.3 | Lb | 9.2 | | 20.9 | 53.3 | | 9.5 | | 13.0 | 22.5 | | 9.5 | | 48.7 | 52.0 | |
| 9.2 | | 58.1 | 40.9 | B | 6.3 | | 54.9 | 25.6 | K | 9.3 | | 24.3 | 6.8 | | 9.2 | | 40.8 | 22.8 | B | 9.5 | 6 | 34.7 | 22.5 | |
| 9.4 | 5 | 20.0 | 37.1 | | 9.5 | 38 | 0.0 | 8.7 | | 9.5 | 8 | 0.8 | 50.0 | | 9.3 | | 42.5 | 33.0 | | 9.1 | | 44.9 | 2.4 | b |
| 9.0 | | 29.1 | 41.3 | K | 9.3 | | 4.7 | 56.6 | | 8.9 | | 7.8 | 29.7 | K | 9.2 | 37 | 5.2 | 35.0 | | 9.5 | 7 | 0.9 | 3.9 | |
| 9.3 | 6 | 32.2 | 17.8 | K | 9.4 | | 39.5 | 27.5 | | 9.4 | | 52.6 | 0.3 | | 8.7 | | 34.3 | 23.0 | K | 6.4 | | 8.3 | 31.7 | K |
| 9.5 | 7 | 0.0 | 14.7 | | 9.5 | | 50.7 | 3.9 | | 9.4 | 9 | 13.8 | 39.4 | | 8.9 | | 35.2 | 26.4 | K | 9.4 | | 53.2 | 45.0 | |
| 8.4 | 8 | 3.2 | 49.2 | K | 8.4 | | 54.2 | 15.2 | K | 8.4 | | 55.1 | 21.8 | K | 9.2 | 38 | 4.3 | 0.5 | b | 8.0 | 9 | 4.4 | 5.0 | K |
| 9.5 | | 50.7 | 7.3 | | 9.5 | 39 | 56.5 | 38.7 | | 9.5 | 11 | 15.6 | 58.5 | | 9.4 | 39 | 36.4 | 30.3 | | 9.1 | | 14.4 | 59.6 | B |
| 9.5 | 9 | 6.9 | 39.6 | | 7.8 | 40 | 1.2 | 16.0 | L | 9.5 | | 18.7 | 47.6 | | 9.5 | | 53.2 | 35.5 | | 9.4 | | 43.9 | 51.8 | B |
| 9.5 | | 47.4 | 18.3 | | 9.3 | | 8.3 | 33.9 | | 9.5 | | 24.0 | 13.8 | | 9.5 | 40 | 28.5 | 55.0 | | 8.8 | 10 | 21.7 | 58.3 | K |
| 9.3 | 10 | 12.4 | 20.8 | | 8.6 | 41 | 20.9 | 31.9 | | 9.5 | | 31.2 | 3.9 | B | 9.3 | | 38.8 | 1.7 | | 9.4 | 11 | 1.8 | 21.3 | |
| 8.5 | | 36.3 | 26.4 | K | 9.0 | | 54.5 | 13.7 | | 9.5 | 12 | 0.8 | 21.0 | | 8.3 | 41 | 37.2 | 34.3 | K | 9.4 | | 26.2 | 4.3 | |
| 9.4 | 11 | 23.7 | 48.5 | | 9.5 | 42 | 4.6 | 25.2 | | 8.4 | | 1.1 | 44.0 | K | 7.7 | | 53 3 | 1.0 | K | 9.5 | 12 | 16.1 | 27.9 | |
| 9.4 | | 33.1 | 50.8 | | 8.8 | | 14.1 | 0.5 | K | 9.4 | | 21.7 | 35.8 | | 9.5 | 42 | 1.6 | 57.8 | | 8.6 | | 56.4 | 46.2 | L |
| 9.0 | 12 | 28.1 | 32.9 | | 9.1 | 43 | 36.8 | 31.1 | | 9.5 | | 37.8 | 57.1 | | 9.0 | | 24.6 | 41.7 | B | 9.4 | 13 | 23.5 | 19.3 | |
| 8.3 | | 29.8 | 34.9 | Kb | 8.8 | | 41.5 | 45.6 | | 9.5 | | 46.1 | 58.1 | B | 8.9 | | 29.0 | 42.4 | B | 9.2 | | 30.5 | 18.2 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 29.32 | 3.24 | | 10pr. | | 28.47 | 3.08 | | 10pr. | | 27.80 | 2.89 | | 10pr. | | 27.19 | 2.65 | | 10pr. | | 26.62 | 2.37 | |

| 2801—2860 | | | | | 2861—2920 | | | | | 2921—2980 | | | | | 2981—3040 | | | | | 3041—3100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵃ | | +23° | | | 15ᵃ—16ᵃ | | +23° | | | 16ᵃ | | +23° | | | 16ᵃ | | +23° | | | 16ᵃ—17ᵃ | | +23° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.2 | 13 | 53.5 | 33.4 | L | 9.0 | 42 | 11.6 | 7.3 | | 9.5 | 12 | 38.9 | 22.6 | | 8.6 | 37 | 20.2 | 27.3 | | 9.1 | 58 | 10.1 | 16.7 | K |
| 8.7 | 14 | 4.9 | 5.2 | Kb | 7.0 | | 36.9 | 42.2 | K | 9.5 | 13 | 9.7 | 27.7 | | 9.5 | | 29.2 | 51.0 | | 9.3 | | 13.3 | 7.7 | |
| 9.2 | | 24.1 | 38.5 | | 9.3 | | 55.3 | 9.2 | B | 8.9 | 14 | 57.8 | 58.7 | K | 9.1 | | 38.2 | 31.1 | | 9.5 | | 54.8 | 48.0 | |
| 8.2 | 15 | 0.3 | 43.0 | K | 9.3 | 43 | 22.8 | 10.5 | | 7.7 | 15 | 3.9 | 19.5 | R | 7.0 | 38 | 5.1 | 46.9 | K | 9.3 | | 57.1 | 33.4 | B |
| 9.4 | | 3.5 | 6.9 | | 9.4 | | 36.1 | 42.0 | | 9.5 | | 7.0 | 58.4 | | 9.5 | | 34.7 | 41.8 | | 9.3 | 59 | 10.7 | 36.4 | |
| 9.2 | 17 | 30.4 | 39.9 | b | 9.1 | | 38.2 | 55.7 | | 9.0 | 16 | 37.1 | 24.9 | K | 9.5 | | 35.0 | 48.7 | | 9.5 | | 31.4 | 38.0 | |
| 9.5 | 18 | 10.2 | 19.3 | | 8.5 | | 54.8 | 36.8 | L | 9.5 | | 56.1 | 58.0 | | 9.5 | | 50.9 | 8.0 | | 9.5 | | 49.2 | 18.2 | |
| 8.5 | | 22.4 | 47.5 | | 9.5 | 44 | 32.6 | 40.6 | | 9.4 | 17 | 39.6 | 53.9 | | 9.5 | | 55.5 | 16.7 | | 9.4 | | 49.3 | 20.9 | |
| 9.4 | | 56.9 | 5.9 | | 8.9 | 45 | 22.7 | 52.0 | | 8.8 | | 42.2 | 8.9 | | 9.5 | | 58.5 | 29.8 | | 9.4 | | 51.6 | 37.2 | |
| 9.3 | 19 | 3.7 | 9.6 | | 9.0 | 47 | 4.8 | 43.0 | | 9.3 | 18 | 38.8 | 59.2 | | 7.3 | | 58.5 | 59.5 | K | 7.7 | | 59.7 | 31.4 | L |
| 7.9 | 20 | 58.4 | 56.9 | Kb | 9.0 | | 44.8 | 23.1 | R | 8.3 | | 47.5 | 8.5 | K | 9.4 | 39 | 48.7 | 41.9 | | 8.6 | 0 | 41.2 | 45.7 | B |
| 9.5 | 21 | 27.9 | 53.4 | | 8.7 | 49 | 40.2 | 53.6 | | 9.5 | 19 | 29.6 | 50.5 | | 9.5 | 40 | 8.2 | 17.7 | B | 8.5 | 1 | 5.1 | 36.0 | K |
| 9.3 | | 34.3 | 49.2 | B | 9.5 | 51 | 27.2 | 47.5 | | 8.7 | 20 | 8.2 | 13.9 | K | 9.4 | | 8.8 | 40.4 | | 9.5 | | 5.4 | 41.2 | |
| 9.5 | 22 | 11.8 | 56.0 | | 9.4 | 53 | 30.5 | 57.4 | | 8.2 | | 8.6 | 24.6 | K | 9.0 | | 13.0 | 49.2 | | 9.5 | | 36.3 | 27.4 | |
| 9.1 | | 28.5 | 36.5 | | 9.5 | | 34.3 | 9.1 | | 9.5 | | 28.2 | 44.6 | | 9.4 | | 16.8 | 50.7 | B | 9.5 | 2 | 9.2 | 50.1 | |
| 9.5 | | 36.6 | 7.3 | B | 7.3 | | 46.3 | 25.5 | K | 9.5 | | 59.5 | 57.6 | | 8.8 | | 39.4 | 35.9 | | 9.5 | | 16.2 | 34.6 | |
| 9.5 | | 39.8 | 27.5 | | 8.9 | | 48.4 | 8.0 | K | 9.1 | 21 | 21.1 | 14.3 | K | 8.8 | 41 | 15.1 | 15.3 | K | 9.5 | 3 | 6.3 | 12.9 | |
| 9.4 | | 58.4 | 17.2 | | 9.2 | 54 | 0.8 | 18.9 | | 8.0 | 22 | 48.1 | 13.2 | L | 8.8 | | 17.2 | 28.4 | K | 7.9 | | 35.0 | 45.3 | B |
| 8.3 | 23 | 15.2 | 48.8 | K | 8.5 | | 41.7 | 15.4 | L | 8.5 | 23 | 17.0 | 56.4 | L | 9.1 | 43 | 23.4 | 2.7 | b | 9.5 | 4 | 5.9 | 17.7 | Bb |
| 9.5 | | 57.4 | 59.8 | | 8.8 | | 48.1 | 12.6 | | 8.8 | 24 | 5.1 | 35.3 | K | 9.5 | | 54.2 | 37.2 | | 9.5 | | 27.5 | 44.2 | |
| 9.1 | 24 | 10.4 | 25.7 | b | 9.3 | 55 | 4.6 | 29.2 | | 9.5 | | 43.3 | 9.0 | | 9.4 | 44 | 3.7 | 35.9 | B | 9.5 | 5 | 8.9 | 38.8 | |
| 8.5 | 25 | 10.9 | 2.5 | K | 9.4 | | 12.8 | 29.9 | | 9.4 | 25 | 2.0 | 11.7 | B | 9.2 | | 23.2 | 30.2 | | 9.5 | 6 | 33.5 | 15.2 | |
| 7.3 | | 40.7 | 4.5 | K | 9.3 | | 17.8 | 11.8 | B | 9.4 | | 11.6 | 36.0 | K | 8.9 | | 23.9 | 44.6 | | 9.3 | | 48.8 | 19.2 | B |
| 8.8 | 26 | 3.8 | 30.5 | | 9.2 | | 21.7 | 35.2 | B | 9.0 | | 44.1 | 31.8 | K | 9.4 | | 57.6 | 45.3 | | 9.4 | 7 | 20.7 | 54.4 | |
| 9.5 | | 12.5 | 31.6 | | 9.4 | | 30.0 | 29.9 | | 9.3 | | 51.9 | 3.0 | Kb | 9.1 | 45 | 20.7 | 33.5 | | 9.0 | | 46.9 | 29.3 | K |
| 9.5 | 27 | 6.7 | 52.7 | | 4.6 | 56 | 3.5 | 12.3 | Kb | 8.5 | 26 | 23.0 | 32.8 | K | 7.5 | | 28.1 | 52.8 | L | 9.0 | | 50.8 | 5.2 | |
| 9.0 | | 19.4 | 41.3 | | 7.6 | | 30.1 | 11.8 | K | 9.2 | | 30.2 | 49.2 | B | 9.1 | | 38.2 | 42.2 | | 9.3 | 8 | 16.0 | 48.3 | |
| 7.7 | | 23.9 | 55.3 | L | 9.5 | | 37.0 | 20.3 | | 9.4 | | 31.2 | 54.4 | | 8.3 | | 41.9 | 52.9 | K | 9.5 | | 33.5 | 21.4 | |
| 9.1 | | 48.9 | 2.0 | K | 9.5 | | 50.2 | 34.7 | | 8.1 | | 37.2 | 28.1 | K | 9.2 | | 58.2 | 53.6 | | 9.2 | 9 | 8.1 | 7.5 | |
| 7.6 | 28 | 3.4 | 42.2 | K | 8.5 | 57 | 18.6 | 10.2 | K | 9.2 | | 38.5 | 34.6 | | 9.4 | 46 | 7.1 | 18.5 | | 7.0 | | 41.2 | 54.8 | R |
| 9.5 | | 46.8 | 49.2 | | 9.0 | | 31.8 | 46.5 | | 8.1 | 27 | 2.2 | 25.6 | Kb | 9.0 | | 8.5 | 47.4 | K | 9.0 | 10 | 4.0 | 25.8 | |
| 8.5 | 30 | 24.3 | 20.7 | | 8.5 | 58 | 24.5 | 3.6 | K | 8.6 | | 5.2 | 48.7 | | 9.5 | | 19.6 | 29.5 | | 9.3 | | 47.8 | 29.8 | B |
| 9.4 | 31 | 12.7 | 44.8 | B | 9.5 | | 38.3 | 54.6 | | 9.5 | | 41.0 | 49.8 | | 9.4 | | 49.5 | 51.9 | | 9.3 | | 48.0 | 1.9 | |
| 9.0 | | 21.2 | 58.6 | B | 9.4 | | 48.3 | 1.8 | B | 9.3 | 28 | 48.2 | 1.3 | | 9.4 | | 53.0 | 52.2 | B | 6.5 | 11 | 32.9 | 15.5 | L |
| 8.3 | | 27.3 | 57.5 | K | 9.0 | 59 | 13.4 | 34.4 | | 9.0 | | 54.4 | 7.5 | K | 9.5 | 47 | 23.9 | 21.5 | | 9.4 | | 55.3 | 25.9 | |
| 9.5 | | 38.0 | 14.3 | | 9.5 | | 38.8 | 32.0 | | 9.1 | | 59.6 | 31.9 | K | 9.5 | 48 | 6.2 | 13.6 | | 9.0 | 12 | 4.4 | 9.7 | B |
| 9.4 | | 58.0 | 58.4 | B | 9.4 | 0 | 7.3 | 12.3 | B | 9.1 | | 59.8 | 49.4 | b | 9.5 | | 19.3 | 1.6 | | 9.3 | | 18.8 | 13.2 | |
| 7.4 | 32 | 6.6 | 8.5 | K | 9.4 | | 17.1 | 36.5 | | 8.5 | 29 | 12.1 | 33.6 | K | 9.4 | | 29.5 | 22.2 | | 8.0 | | 17.7 | 35.2 | K |
| 9.0 | | 8.7 | 50.1 | K | 8.4 | | 19.0 | 16.5 | K | 9.4 | | 15.0 | 8.2 | | 9.5 | 49 | 8.1 | 3.8 | | 9.5 | | 26.6 | 29.2 | |
| 8.5 | | 12.3 | 56.1 | K | 9.3 | | 51.3 | 48.3 | Bb | 9.4 | | 23.3 | 5.2 | | 8.4 | | 24.6 | 35.9 | b | 9.3 | | 40.5 | 28.7 | B |
| 9.5 | | 21.2 | 16.8 | | 9.4 | 1 | 6.1 | 48.3 | B | 9.4 | | 29.6 | 4.5 | | 9.5 | | 48.0 | 13.9 | | 9.5 | | 48.2 | 40.7 | |
| 8.3 | | 31.4 | 6.8 | K | 9.5 | | 28.5 | 28.9 | | 9.5 | | 59.0 | 28.4 | | 9.5 | 50 | 5.2 | 47.0 | | 9.2 | | 54.3 | 14.5 | Kb |
| 8.5 | | 34.8 | 24.1 | K | 9.0 | 2 | 26.7 | 2.7 | Kb | 9.5 | 30 | 19.2 | 58.0 | | 9.5 | | 43.9 | 25.0 | | 9.5 | 13 | 25.8 | 30.7 | |
| 9.1 | 33 | 22.4 | 23.8 | K | 9.5 | | 33.8 | 19.2 | | 9.5 | | 35.6 | 55.3 | | 9.5 | | 50.8 | 55.5 | B | 9.5 | | 40.5 | 42.4 | |
| 9.5 | | 49.1 | 28.9 | | 9.5 | | 56.1 | 41.9 | | 7.0 | | 43.7 | 9.9 | K | 8.9 | | 58.2 | 51.4 | K | 9.5 | 14 | 4.3 | 6.0 | |
| 9.2 | 34 | 47.2 | 49.0 | b | 9.4 | 3 | 20.2 | 4.8 | | 9.3 | 31 | 17.5 | 30.8 | | 9.5 | 51 | 8.2 | 14.2 | | 9.5 | | 51.2 | 18.3 | |
| 9.5 | 35 | 22.5 | 23.0 | B | 9.5 | | 52.7 | 36.1 | | 8.8 | 32 | 36.1 | 30.1 | | 9.3 | 52 | 6.1 | 48.9 | | 9.1 | | 59.5 | 48.6 | |
| 9.4 | | 23.7 | 44.0 | | 9.1 | 4 | 16.6 | 39.2 | b | 8.7 | | 39.2 | 2.0 | | 9.3 | | 10.0 | 33.2 | | 9.4 | 15 | 24.8 | 47.3 | |
| 9.4 | | 38.2 | 7.0 | | 6.0 | 5 | 27.8 | 53.4 | Kb | 9.0 | 33 | 18.4 | 0.4 | | 9.5 | | 25.8 | 12.5 | | 9.5 | | 24.8 | 40.7 | |
| 9.5 | 36 | 36.0 | 1.8 | | 9.1 | | 29.7 | 59.5 | | 7.0 | | 28.2 | 16.7 | L | 9.4 | 53 | 55.4 | 57.0 | | var. | | 38.5 | 4.2 | R |
| 9.4 | | 40.0 | 7.2 | | 9.5 | 6 | 9.5 | 29.5 | | 8.5 | | 36.9 | 29.5 | K | 9.5 | 54 | 58.2 | 53.2 | | 7.7 | | 45.7 | 50.0 | L |
| 6.5 | 37 | 15.3 | 24.7 | Kb | 9.5 | 7 | 48.8 | 44.6 | | 8.7 | | 40.2 | 10.9 | L | 8.5 | 55 | 8.9 | 35.0 | | 8.3 | | 59.2 | 18.0 | L |
| 9.5 | 38 | 17.8 | 49.8 | | 9.5 | | 57.3 | 29.8 | | 8.2 | 34 | 47.3 | 2.2 | K | 9.5 | | 9.8 | 8.7 | | 9.4 | 16 | 3.7 | 57.8 | |
| 9.3 | 39 | 57.1 | 29.8 | B | 9.5 | 9 | 6.4 | 10.5 | | 9.5 | | 54.6 | 30.5 | | 9.5 | | 43.8 | 42.2 | | 9.1 | | 33.1 | 1.1 | |
| 9.3 | 40 | 7.9 | 4.7 | | 9.5 | | 52.5 | 36.3 | | 9.2 | 35 | 46.1 | 11.2 | Kb | 8.5 | | 54.2 | 7.3 | K | 9.2 | | 58.2 | 16.2 | |
| 8.9 | | 25.2 | 59.6 | K | 7.0 | 10 | 4.8 | 28.8 | K | 9.5 | | 47.5 | 15.7 | | 9.3 | 56 | 5.6 | 21.5 | | 9.5 | 17 | 8.2 | 15.9 | |
| 9.0 | | 36.4 | 37.6 | | 9.4 | | 9.4 | 44.9 | B | 9.5 | 36 | 25.6 | 44.6 | | 9.0 | | 24.9 | 54.6 | K | 9.5 | | 10.3 | 19.0 | |
| 9.1 | | 56.8 | 48.8 | | 7.5 | 11 | 43.3 | 58.1 | Kb | 8.0 | | 29.7 | 56.8 | K | 8.9 | | 28.6 | 28.0 | | 9.3 | | 43.8 | 23.8 | |
| 9.5 | 41 | 9.8 | 15.4 | | 8.8 | 12 | 13.7 | 1.1 | K | 9.5 | | 46.6 | 19.0 | | 9.5 | 57 | 51.9 | 56.6 | | 9.0 | | 56.5 | 38.6 | |
| 9.2 | 42 | 9.7 | 24.0 | K | 9.5 | | 34.6 | 20.5 | | 9.4 | 37 | 15.4 | 26.0 | | 9.3 | | 52.6 | 8.4 | | 5.8 | 18 | 4.0 | 6.3 | R |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 26.14 | 2.05 | | 10pr. | | 25.72 | 1.70 | | 10pr. | | 25.37 | 1.32 | | 10pr. | | 25.21 | 1.06 | | 10pr. | | 25.04 | 0.72 | |

3101—3160

| m | 17ᵘ | +23° | |
|---|---|---|---|
| 9.2 | 18′ 5.8 | 48.0 | B |
| 9.2 | 11.5 | 47.0 | |
| 9.4 | 34.8 | 42.4 | |
| 9.4 | 37.8 | 11.3 | B |
| 9.4 | 49.2 | 15.0 | |
| 9.5 | 19 6.5 | 32.5 | B |
| 9.5 | 9.4 | 34.2 | B |
| 9.4 | 24.8 | 11.8 | |
| 9.5 | 40.2 | 11.5 | |
| 9.5 | 44.1 | 21.4 | |
| 9.3 | 44.5 | 53.3 | |
| 9.1 | 20 18.3 | 28.7 | |
| 9.0 | 18.4 | 15.2 | B |
| 9.4 | 19.1 | 3.1 | |
| 9.4 | 23.3 | 4.9 | B |
| 9.5 | 48.1 | 21.7 | |
| 9.5 | 52.2 | 22.5 | |
| 8.9 | 21 1.1 | 19.0 | |
| 9.2 | 10.2 | 45.5 | B |
| 9.0 | 11.0 | 30.4 | |
| 9.0 | 11.8 | 23.1 | |
| 9.0 | 22 18.5 | 43.8 | |
| 8.6 | 23 5.2 | 21.7 | Kb |
| 8.0 | 25 5.5 | 14.0 | K |
| 8.6 | 20.1 | 43.8 | K |
| 9.5 | 51.1 | 25.9 | |
| 9.4 | 26 20.6 | 40.1 | |
| 8.7 | 27.2 | 57.9 | K |
| 9.3 | 35.6 | 39.1 | B |
| 8.9 | 44.2 | 51.1 | |
| 8.5 | 46.1 | 23.4 | K |
| 9.1 | 52.7 | 55.4 | |
| 8.8 | 54.3 | 28.6 | K |
| 9.0 | 27 19.5 | 56.9 | |
| 9.2 | 26.4 | 5.7 | B |
| 9.5 | 58.3 | 5.1 | |
| 9.5 | 28 0.3 | 11.1 | |
| 9.5 | 26.5 | 58.6 | |
| 9.5 | 27.8 | 10.0 | |
| 8.4 | 29 11.5 | 16.9 | K |
| 9.5 | 32.9 | 35.2 | |
| 9.4 | 50.9 | 8.1 | |
| 9.5 | 30 9.7 | 55.5 | |
| 8.7 | 26.6 | 58.3 | K |
| 9.4 | 46.1 | 41.0 | |
| 8.1 | 31 10.4 | 30.9 | B |
| 9.1 | 19.5 | 35.8 | B |
| 9.4 | 25.4 | 47.8 | |
| 9.2 | 28.3 | 24.0 | |
| 8.3 | 30.0 | 11.8 | B |
| 9.2 | 46.1 | 3.0 | K |
| 9.1 | 32 3.5 | 57.9 | |
| 9.1 | 22.9 | 12.8 | K |
| 9.5 | 24.1 | 58.9 | |
| 9.5 | 34.5 | 35.6 | |
| 9.5 | 33 10.5 | 34.5 | |
| 9.3 | 16.4 | 59.8 | |
| 9.4 | 35 3.5 | 26.2 | |
| 9.5 | 36.8 | 9.9 | B |
| 7.7 | 51.2 | 49.9 | K |
| 10pr. | + 24.96 | — 0.49 | |

3161—3220

| m | 17ᵘ | +23° | |
|---|---|---|---|
| 9.2 | 35′ 55.8 | 26.2 | B |
| 8.5 | 36 20.2 | 33.0 | Kb |
| 9.5 | 37 6.1 | 3.3 | |
| 9.1 | 13.5 | 33.1 | |
| 9.0 | 39.2 | 33.1 | K |
| 9.1 | 49.5 | 15.5 | b |
| 9.5 | 38 9.7 | 25.4 | |
| 9.4 | 20.0 | 22.2 | B |
| 9.5 | 21.1 | 18.2 | |
| 9.5 | 27.4 | 2.3 | |
| 9.2 | 52.3 | 12.1 | |
| 9.0 | 54.1 | 31.3 | |
| 9.3 | 55.3 | 44.3 | |
| 9.3 | 39 19.7 | 53.0 | |
| 9.5 | 34.8 | 21.4 | |
| 9.4 | 41.2 | 19.7 | |
| 9.5 | 42.1 | 33.6 | |
| 9.0 | 40 25.0 | 38.2 | K |
| 9.4 | 40.3 | 1.0 | |
| 9.3 | 48.2 | 8.2 | |
| 9.5 | 48.2 | 33.4 | |
| 9.5 | 52.5 | 44.4 | |
| 9.3 | 41 0.5 | 23.4 | |
| 9.4 | 38.9 | 57.2 | B |
| 9.5 | 59.2 | 41.9 | |
| 8.6 | 42 30.3 | 42.5 | |
| 8.9 | 39.2 | 15.2 | |
| 8.8 | 44.4 | 1.7 | K |
| 9.4 | 43 3.8 | 17.9 | |
| 8.6 | 29.5 | 25.1 | |
| 9.5 | 44.4 | 55.1 | |
| 9.0 | 46.2 | 20.0 | |
| 9.0 | 48.5 | 30.3 | |
| 8.5 | 44 30.9 | 16.9 | L |
| 9.4 | 33.2 | 49.9 | |
| 9.5 | 59.0 | 30.8 | |
| 9.4 | 45 9.2 | 57.4 | B |
| 9.5 | 53.3 | 37.2 | |
| 9.2 | 56.8 | 2.6 | B |
| 8.3 | 46 8.1 | 22.0 | |
| 9.4 | 40.8 | 30.0 | |
| 9.0 | 50.1 | 48.9 | K |
| 9.4 | 58.8 | 5.8 | |
| 9.5 | 47 15.2 | 3.4 | |
| 9.0 | 15.9 | 16.5 | |
| 9.2 | 33.0 | 1.7 | B |
| 8.8 | 35.5 | 8.7 | K |
| 9.5 | 47.2 | 14.8 | |
| 9.5 | 54.1 | 55.4 | |
| 9.5 | 59.1 | 6.4 | |
| 9.5 | 48 15.6 | 55.9 | |
| 9.4 | 15.8 | 34.5 | |
| 8.5 | 29.6 | 15.8 | K |
| 9.0 | 52.3 | 47.9 | |
| 9.3 | 49 38.5 | 25.4 | |
| 8.3 | 41.4 | 54.2 | L |
| 9.5 | 52.0 | 39.4 | B |
| 9.4 | 50 1.8 | 21.5 | |
| 9.2 | 3.6 | 2.0 | |
| 8.4 | 15.3 | 44.6 | L |
| 10pr. | + 24.93 | — 0.24 | |

3221—3280

| m | 17ᵘ—18ᵘ | +23° | |
|---|---|---|---|
| 9.2 | 50′ 17.3 | 55.5 | |
| 9.4 | 21.5 | 48.6 | |
| 9.5 | 32.2 | 6.7 | |
| 9.4 | 33.2 | 47.8 | |
| 9.3 | 48.7 | 56.0 | |
| 9.2 | 51 4.8 | 49.2 | |
| 9.2 | 9.3 | 3.1 | |
| 9.5 | 36.8 | 53.3 | |
| 9.5 | 45.4 | 17.6 | B |
| 9.4 | 56.1 | 49.6 | |
| 9.2 | 52 14.9 | 53.5 | K |
| 9.5 | 17.5 | 12.8 | |
| 7.9 | 53 4.9 | 50.8 | K |
| 9.5 | 25.5 | 43.8 | |
| 9.3 | 36.7 | 32.3 | B |
| 9.1 | 53.0 | 30.3 | Kb |
| 9.5 | 54 21.3 | 40.3 | |
| 9.1 | 22.8 | 11.8 | |
| 8.6 | 44.2 | 9.3 | |
| 9.5 | 55 10.7 | 55.9 | |
| 9.4 | 24.5 | 23.7 | |
| 9.4 | 26.5 | 24.0 | |
| 9.3 | 38.7 | 3.1 | |
| 8 9 | 40.6 | 56.1 | |
| 9.0 | 40.9 | 1.8 | |
| 9.5 | 56 6.2 | 50.6 | |
| 9.3 | 17.1 | 10.1 | |
| 9.5 | 43.8 | 7.2 | |
| 9.1 | 57 7.5 | 45.1 | b |
| 9.1 | 9.5 | 31.0 | |
| 9.0 | 17.8 | 48.9 | K |
| 9.0 | 58 10.7 | 47.6 | K |
| 8.9 | 11.5 | 26.5 | |
| 7.1 | 41.7 | 56.3 | K |
| 8.6 | 45.8 | 53.0 | K |
| 9.0 | 59 17.5 | 55.6 | K |
| 8.7 | 17.6 | 43.0 | L |
| 9.5 | 47.2 | 29.2 | |
| 9.5 | 47.9 | 21.3 | |
| 8.7 | 51.3 | 8.3 | |
| 9.5 | 57.9 | 25.7 | B |
| 8.4 | 0 8.8 | 59.4 | K |
| 9.4 | 45.4 | 25.1 | B |
| 9.3 | 58.2 | 48.2 | |
| 7.5 | 1 0.6 | 23.4 | K |
| 9.4 | 22.6 | 50.0 | |
| 9.3 | 31.4 | 53.8 | B |
| 8.8 | 59.9 | 51.0 | |
| 9.0 | 2 4.7 | 33.0 | K |
| 8.8 | 16.0 | 48.5 | |
| 8.9 | 29.1 | 6.2 | K |
| 9.3 | 3 1.2 | 33.1 | K |
| 9.0 | 4.6 | 8.3 | |
| 9.2 | 47.3 | 7.8 | |
| 9.5 | 4 30.4 | 13.2 | |
| 9.3 | 35.0 | 51.5 | |
| 9.5 | 5 10.0 | 12.1 | |
| 9.5 | 15.4 | 45.5 | |
| 9.5 | 53.4 | 24.6 | |
| 9.2 | 6 11.8 | 42.8 | b |
| 10pr. | + 24.91 | — 0.04 | |

3281—3340

| m | 18ᵘ | +23° | |
|---|---|---|---|
| 9.3 | 6′ 33.4 | 49.8 | |
| 8.8 | 38.3 | 27.4 | K |
| 9.0 | 8 35.5 | 32.4 | |
| 9.1 | 42.7 | 10.0 | b |
| 9.5 | 9 25.0 | 24.9 | |
| 9.5 | 38.1 | 19.4 | |
| 8.7 | 47.1 | 56.3 | K |
| 9.5 | 10 16.5 | 30.7 | |
| 7.5 | 29.5 | 21.0 | Kb |
| 9.5 | 34.1 | 50.6 | B |
| 9.4 | 43.2 | 50.3 | B |
| 9.5 | 11 4.0 | 3.2 | |
| 9.5 | 24.0 | 29.8 | |
| 9.5 | 33.8 | 25.8 | B |
| 9.5 | 39.0 | 51.7 | |
| 9.1 | 42.9 | 19.8 | |
| 9.4 | 57.5 | 44.5 | |
| 9.5 | 12 1.3 | 2.8 | |
| 7.0 | 4.2 | 13.6 | R |
| 9.1 | 14.3 | 13.1 | B |
| 9.4 | 21.2 | 54.8 | |
| 8.1 | 36.5 | 30.7 | K |
| 8.0 | 13 14.0 | 21.7 | K |
| 9.3 | 21.9 | 4.4 | |
| 8.9 | 57.0 | 36.2 | |
| 9.5 | 14 3.9 | 31.7 | |
| 9.5 | 14.0 | 23.5 | |
| 9.3 | 17.5 | 4.6 | K |
| 9.5 | 44.7 | 9.5 | |
| 9.0 | 15 22.7 | 56.5 | K |
| 9.3 | 24.6 | 54.9 | |
| 9.1 | 44.9 | 52.6 | K |
| 9.4 | 55.9 | 35.8 | |
| 9.2 | 16 1.0 | 46.2 | B |
| 9.5 | 2.0 | 32.0 | |
| 6.5 | 7.2 | 13.2 | R |
| 8.8 | 7.2 | 47.5 | B |
| 9.1 | 31.5 | 40.0 | K |
| 9.0 | 32.7 | 24.9 | L |
| 9.3 | 38.5 | 40.4 | K |
| 9.5 | 56.4 | 45.1 | |
| 9.5 | 58.7 | 29.3 | |
| 9.5 | 17 17.3 | 38.1 | B |
| 9.5 | 18.2 | 0.8 | |
| 9.0 | 23.0 | 22 4 | S |
| 9.3 | 48 5 | 12.5 | |
| 7.7 | 45.2 | 36.3 | B |
| 9.5 | 18 51.9 | 5.6 | |
| 8.8 | 19 8.1 | 2.3 | K |
| 9.3 | 34.4 | 5.3 | B |
| 9.1 | 53.0 | 7.3 | Kb |
| 9.5 | 55.7 | 26.5 | |
| 8.9 | 20 0.0 | 11.1 | K |
| 9.5 | 33.5 | 29.3 | |
| 9.5 | 41.9 | 37.5 | |
| 9.4 | 48.0 | 25.3 | B |
| 9.5 | 57.0 | 52.8 | |
| 9.5 | 21 4.6 | 2.0 | |
| 9.5 | 12.8 | 7.2 | |
| 9.5 | 45.7 | 23.8 | |
| 10pr. | + 24.93 | — 0.23 | |

3341—3400

| m | 18ᵘ | +23° | |
|---|---|---|---|
| 8.9 | 21′ 52.8 | 55.1 | |
| 8.5 | 56.0 | 45.5 | |
| 9.1 | 22 35.2 | 1.6 | |
| 8.9 | 38.1 | 4.6 | K |
| 9.5 | 51.8 | 51.7 | |
| 9.3 | 23 24.4 | 34.8 | Rb |
| 6.0 | 35.6 | 46.4 | R |
| 9.1 | 45.7 | 6.5 | K |
| 9.3 | 54.5 | 35.5 | |
| 8.7 | 24 29.6 | 9.1 | K |
| 9.5 | 31.2 | 11.8 | |
| 9.5 | 35.0 | 53.8 | |
| 9.5 | 56.2 | 14.5 | |
| 8.6 | 59.6 | 44.9 | K |
| 9.5 | 25 25.4 | 27.6 | |
| 9.3 | 27.9 | 30.8 | |
| 9.1 | 39.1 | 4.0 | |
| 9.5 | 52.6 | 44.7 | |
| 9.1 | 56.1 | 8.6 | |
| 9.5 | 26 0.0 | 0.8 | |
| 9.0 | 9.7 | 58.5 | |
| 8.0 | 27.1 | 1.8 | K |
| 6.0 | 44.4 | 30.6 | R |
| 9.5 | 47.0 | 46.4 | |
| 9.5 | 58.3 | 3.7 | |
| 9.0 | 27 8.5 | 36.3 | |
| 9.3 | 10.4 | 45.7 | B |
| 9.3 | 11.8 | 47.0 | |
| 9.4 | 12.6 | 59.5 | |
| 9.5 | 19.5 | 4.9 | |
| 9.5 | 20.1 | 10.9 | |
| 9.5 | 31.1 | 18.0 | |
| 9.2 | 34.2 | 11.9 | K |
| 9.5 | 43.8 | 59.1 | |
| 9.4 | 45.8 | 27.5 | B |
| 9.4 | 52.8 | 56.4 | |
| 9.3 | 53.3 | 27.0 | |
| 9.3 | 28 1.4 | 31.4 | |
| 9.1 | 18.6 | 27.7 | B |
| 9.5 | 21.3 | 22.7 | |
| 9.5 | 27.2 | 12.1 | |
| 9.0 | 40.8 | 22.0 | Kb |
| 9.5 | 47.3 | 59.2 | |
| 8 2 | 29 25.6 | 45.1 | K |
| 6.0 | 27.7 | 29.3 | K |
| 9.4 | 45.2 | 28.5 | |
| 9.0 | 30 5.5 | 36.8 | K |
| 9.4 | 16.8 | 59.7 | |
| 9.5 | 17.0 | 11.1 | |
| 9.5 | 23.2 | 8.1 | |
| 9.5 | 30.0 | 11.0 | |
| 9.1 | 33.9 | 28.8 | K |
| 9.4 | 42.4 | 51.0 | |
| 9.5 | 50.0 | 17.5 | |
| 9.5 | 51.3 | 15.0 | |
| 9.5 | 52.0 | 3.2 | |
| 9.5 | 31 5.7 | 45.9 | |
| 9.5 | 42.6 | 53.8 | |
| 9.5 | 43.5 | 41.4 | |
| 9.3 | 59.3 | 21.9 | |
| 10pr. | + 24.94 | — 0.40 | |

3197 a
9.5 | 45 35.7 | 8.3 |

| 3401—3460 | | | | 3461—3520 | | | | 3521—3580 | | | | 3581—3640 | | | | 3641—3700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵘ | +23° | | | 18ᵘ | +23° | | | 18ᵘ—19ᵘ | +23° | | | 19ᵘ | +23° | | | 19ᵘ | +23° | |
| m | | ′ ″ | ′ | | m | | ′ | | m | | ′ | | | ′ | | m | | ′ | |
| 9.1 | 32 | 16.3 | 56.2 | *b* | 6.2 | 42 | 13.0 | 21.4 | B | 9.2 | 54 | 2.8 | 19.5 | | 9.4 | 4 | 15.5 | 37.2 | | 7.5 | 17 | 23.6 | 41.5 | L |
| 9.2 | | 30.2 | 18.4 | | 9.2 | | 20.4 | 10.5 | | 8.9 | | 7.4 | 26.7 | | 9.4 | | 19.6 | 2.2 | | 9.4 | | 31.8 | 56 6 | |
| 9.5 | | 32.2 | 24.2 | | 8.5 | | 35.3 | 20.1 | | 9.3 | | 30.0 | 57.6 | | 9.4 | | 20.1 | 6.0 | | 9.1 | | 34.5 | 39.0 | |
| 9.4 | | 32.6 | 29.9 | B | 9.5 | | 54.4 | 31.5 | | 8.0 | | 32.7 | 34.8 | L | 7.8 | | 38.0 | 36.7 | K | 9.1 | 18 | 2.5 | 36.5 | |
| 9.5 | | 41.5 | 27 9 | | 6.9 | | 54.7 | 53.7 | L | 8.0 | | 40.1 | 5.6 | K | 9.3 | | 56.3 | 25.1 | | 9.0 | | 21.4 | 30.3 | K |
| 9.5 | | 53.9 | 16.2 | | 9.5 | | 57.6 | 42.9 | | 9.5 | | 44.4 | 14.6 | | 6.8 | 5 | 4.2 | 14.8 | K | 8.0 | | 37.3 | 19.7 | K |
| 9.5 | | 59.7 | 48.8 | | 9.2 | 43 | 23.7 | 11.5 | K | 9.5 | | 50.9 | 13.3 | B | 9.3 | | 8.0 | 2.7 | | 9.5 | | 41.2 | 3.1 | |
| 9.4 | 33 | 2.5 | 33.7 | | 9.4 | | 29.0 | 10.4 | | 9.4 | | 54.3 | 13.7 | | 9.5 | | 52.2 | 16.8 | | 8.6 | 19 | 2.4 | 30.8 | K |
| 9.3 | | 10.6 | 41.4 | | 8.5 | | 29.6 | 43.7 | P | 9.3 | | 54.4 | 26.7 | | 9.5 | | 53.2 | 13.8 | | 9.5 | | 12.2 | 58.3 | B |
| 9.5 | | 32.4 | 48.1 | | 9.5 | | 31.0 | 5.2 | | 9.5 | 55 | 13.8 | 58.7 | | 9.5 | 6 | 1.3 | 20.0 | | 9.5 | | 26.7 | 49.3 | |
| 8.8 | | 42.6 | 42.8 | K | 9.3 | | 44.7 | 4.2 | B | 9.1 | | 25.7 | 48.4 | K | 9.5 | | 1.4 | 31.6 | | 9.5 | | 29.6 | 20.9 | R |
| 9.4 | | 57.2 | 16.4 | | 9.4 | | 51.9 | 13.9 | | 9.2 | | 31.9 | 45.4 | | 9.5 | | 5.7 | 3.9 | | 9.5 | | 38.7 | 48.8 | |
| 9.2 | 34 | 10.2 | 14.9 | *b* | 9.1 | | 56.5 | 21.7 | | 9.5 | | 47.6 | 23.2 | | 8.0 | | 23.2 | 13.0 | K | 9.5 | | 41.1 | 10.8 | |
| 9.3 | | 10.7 | 50.7 | | 9.2 | 44 | 6.7 | 51.3 | | 9.5 | 56 | 0.5 | 2.2 | | 9.4 | | 27.5 | 36.0 | | 9.5 | | 51.4 | 6.2 | |
| 9.5 | | 26.2 | 59.9 | | 9.0 | | 15.2 | 17.7 | K | 9.5 | | 1.2 | 15.8 | | 9.5 | | 47.1 | 14.3 | | 9.1 | 20 | 15.5 | 33.2 | *b* |
| 9.4 | 35 | 0.3 | 55.7 | | 9.5 | | 19.0 | 5.7 | | 8.7 | | 18.8 | 58.7 | R | 8.8 | 7 | 15.1 | 9.1 | K | 9.1 | | 57.2 | 48.0 | |
| 9.3 | | 10.8 | 46.8 | | 7.1 | | 23.8 | 56.2 | R | 9.2 | | 32.7 | 54.4 | | 9.4 | | 36.9 | 28.1 | R*b* | 9.5 | 21 | 7.2 | 17.9 | |
| 9.5 | | 19.4 | 53.5 | | 8.7 | | 26.5 | 38.0 | L | 9.5 | | 37.0 | 1.8 | | 9.5 | | 56.4 | 28.3 | | 9.5 | | 7.4 | 4.5 | |
| 9.4 | 36 | 7.6 | 44.2 | | 9.0 | | 40.5 | 37.3 | | 9.2 | | 37.4 | 31.4 | | 9.4 | | 57.0 | 12.9 | B | 9.5 | | 7.6 | 11.7 | |
| 9.5 | | 10.6 | 51.1 | | 8.0 | | 45.2 | 15.3 | K | 9.0 | | 52.6 | 9.9 | K | 9.4 | 8 | 13.3 | 20.1 | | 9.1 | | 19.3 | 22.7 | K*b* |
| 8.3 | | 10.7 | 43.9 | L | 9.5 | | 48.9 | 1.4 | | 8.0 | | 59.8 | 54.5 | K | 9.4 | | 14.4 | 32.1 | K | 8.0 | | 26.2 | 53.5 | L |
| 9.5 | | 29.4 | 51.9 | B | 9.1 | 45 | 18.1 | 10.4 | K | 8.1 | 57 | 18.5 | 24.9 | K | 9.4 | | 29.3 | 6.9 | | 9.0 | | 55.6 | 43.8 | K |
| 9.5 | | 43.7 | 6.4 | | 9.5 | | 19.2 | 47.2 | | 8.0 | | 36.1 | 8.4 | K | 9.1 | | 30.8 | 56.3 | | 9.1 | 22 | 16.5 | 34.0 | |
| 9.4 | | 48.3 | 22.0 | | 9.5 | | 21.5 | 18.7 | | 9.4 | | 40.8 | 3.1 | | 9.4 | 9 | 1.7 | 47.9 | K | 9.2 | | 41.4 | 29.1 | |
| 9.5 | 37 | 15.8 | 53.8 | | 9.2 | | 31.2 | 14.0 | K | 9.5 | | 42.9 | 55.0 | | 9.4 | | 20.6 | 5.4 | | 9.5 | | 49.3 | 54.5 | |
| 8.2 | | 20.2 | 18.8 | L | 8.7 | | 47.6 | 44.9 | L | 9.0 | 58 | 9.1 | 9.6 | K | 9.4 | | 23.0 | 0.2 | | 9.5 | 23 | 16.0 | 5.1 | |
| 9.4 | | 27.5 | 0.7 | B | 9.4 | 46 | 14.1 | 51.1 | | 8.3 | | 28.7 | 31.1 | B | 9.1 | | 31.6 | 42.3 | K | 9.5 | | 39.4 | 43.4 | B |
| 8.7 | | 38.3 | 23.5 | K*b* | 9.5 | 47 | 0.9 | 45.0 | | 9.0 | | 32.4 | 32.6 | R | 9.4 | | 48.8 | 49.4 | | 8.9 | | 53.8 | 20.2 | K |
| 9.5 | | 43.0 | 0.6 | | 9.4 | | 15.5 | 28.3 | | 6.9 | | 33.6 | 6 8 | K | 9.5 | | 49.4 | 45.6 | | 9.5 | 24 | 4.8 | 58.7 | |
| 9.5 | | 46.3 | 19.5 | | 9.3 | | 44.0 | 32.2 | | 9.5 | | 37.8 | 38.3 | B | 9.2 | | 50.3 | 54.4 | K | 9.0 | | 16.4 | 28.8 | K |
| 9.1 | | 50.3 | 56.4 | B | 8.8 | | 44.4 | 3.0 | | 8.7 | | 43.1 | 6.1 | K | 8.7 | | 56.2 | 11.8 | K | 9.3 | | 25.1 | 37.8 | |
| 9.5 | | 51.0 | 49.4 | | 9.1 | 48 | 15.3 | 25.6 | K | 8.5 | 59 | 4.2 | 13.1 | K | 8.5 | 10 | 13.4 | 29.8 | L | 9.5 | | 27.0 | 55.4 | |
| 9.4 | | 51.4 | 35.4 | | 8.5 | | 35.6 | 40.4 | K | 9.4 | | 13.7 | 48.3 | | 8.9 | | 21.8 | 58.7 | K | 9.3 | | 42.0 | 0.7 | B |
| 9.4 | | 57.6 | 35.4 | B | 9.1 | | 42.8 | 58.4 | *a* | 9.5 | | 26.0 | 9.3 | | 9.5 | | 29.2 | 11.8 | | 9.4 | | 48.7 | 5.3 | |
| 9.4 | 38 | 0.0 | 48.8 | | 9.0 | | 45.8 | 56.2 | | 9.3 | | 29.4 | 29.2 | | 9.2 | | 54.5 | 33.3 | | 9.5 | | 55.7 | 13.7 | |
| 9.4 | | 6.1 | 6.8 | | 9.5 | | 46 9 | 27.5 | | 9.5 | | 30.2 | 14 6 | | 9.4 | 11 | 7.8 | 32.8 | | 9.4 | 25 | 3.7 | 13.7 | |
| 9.1 | | 19.6 | 16.2 | | 8.3 | 49 | 8.1 | 2.3 | K | 9.3 | | 41.6 | 6.2 | | 9.5 | | 25.7 | 54.8 | | 9.5 | | 41.0 | 36.6 | |
| 7.8 | | 25.6 | 21.6 | K | 8.8 | | 19.0 | 12.8 | | 9 5 | | 55.3 | 53.3 | | 9.4 | | 51.6 | 54.6 | | 9.1 | 26 | 14.9 | 36.9 | K |
| 6.5 | | 37.9 | 26.5 | K | 9.5 | | 41.6 | 42.7 | | 9.5 | 0 | 2.2 | 23.9 | | 9.5 | | 54.7 | 43.8 | B | 9.5 | | 23.4 | 29.0 | |
| 9.4 | | 39.5 | 46.0 | | 8.3 | | 48.3 | 22.7 | L | 9.5 | | 21.2 | 24.1 | B | 9.5 | 12 | 2.4 | 7.0 | | 9.3 | | 25.6 | 50.5 | |
| 9.1 | 39 | 7.5 | 38.5 | K | 9.4 | 50 | 13.1 | 1.6 | | 9.5 | | 21.6 | 7.3 | | 8.3 | | 33.5 | 35.5 | R | 9.4 | | 36.9 | 24.5 | B |
| 9.4 | | 23.4 | 56.6 | | 9.5 | | 15.3 | 23.2 | | 7.7 | | 45.5 | 36.0 | R | 9.5 | | 45.7 | 49 8 | | 9.2 | | 38.2 | 35.4 | K |
| 8.8 | | 26.6 | 45.1 | K | 9.5 | | 25.0 | 9.6 | | 8.9 | 1 | 20.6 | 45.6 | | 9.5 | 13 | 0.6 | 43.6 | | 9.4 | 27 | 19.7 | 51.5 | |
| 9.5 | | 40.5 | 38.0 | | 9.5 | | 32.5 | 53.6 | | 8.7 | | 21.7 | 41.4 | | 8.6 | | 3.2 | 16.5 | L | 8.0 | | 20.7 | 11.2 | L |
| 9.4 | | 50.9 | 27.2 | | 9.3 | | 54.5 | 35.0 | | 9.1 | | 34.3 | 18.7 | *b* | 7.4 | | 9.3 | 2.2 | K*b* | 9.1 | | 21.6 | 46.8 | K |
| 9.5 | | 51.2 | 11.8 | R | 9.1 | 51 | 1.8 | 56.0 | K | 9.5 | | 51.2 | 47.6 | | 9.1 | | 32.3 | 5.4 | B | 9.5 | | 23.4 | 55.2 | |
| 9.3 | 40 | 2.4 | 32.1 | | 9.4 | | 57.8 | 21.7 | | 9.3 | 2 | 1.1 | 9.6 | | 9.5 | | 48.6 | 6.4 | | 9.3 | | 31.3 | 54.2 | |
| 8.5 | | 8.1 | 8.6 | K | 9.5 | 52 | 10.1 | 42.8 | | 9.2 | | 2.6 | 44.4 | | 8.7 | | 55.4 | 29.6 | L | 9.1 | | 39.7 | 1.5 | B |
| 9.4 | | 25.5 | 40.0 | | 9.5 | | 11.1 | 43.3 | | 9.4 | | 19.1 | 10.3 | | 9.1 | 14 | 1.3 | 21.7 | K | 8.2 | | 41.0 | 50.7 | K |
| 8.4 | | 42.4 | 25.7 | R | 8.5 | | 14.5 | 39 0 | R | 9.5 | | 23.1 | 6.4 | | 9.4 | | 5.2 | 52.8 | | 9.5 | | 53.7 | 59.6 | |
| 9.5 | | 48.0 | 33.6 | | 9.5 | | 16.5 | 36.3 | | 9.0 | | 25.5 | 38.2 | | 8.8 | | 18.2 | 14.3 | K*b* | 9.3 | | 59.3 | 59.8 | B |
| 9.5 | | 50.8 | 56.3 | | 8.9 | | 20.6 | 46.6 | B | 7.0 | | 35.8 | 56.8 | K | 9.4 | | 19.3 | 59.0 | | 9.3 | 28 | 24.1 | 32.3 | |
| 9.5 | | 55.1 | 10.6 | | 7.5 | | 24.5 | 36.5 | R | 9.5 | | 39.6 | 54.0 | B | 8.9 | | 40.2 | 15.2 | K | 8.7 | | 32.1 | 37.1 | B |
| 9.5 | | 57.4 | 28 1 | | 8.5 | | 26.6 | 0.6 | B | 9.5 | | 46.0 | 16.1 | *B* | 9.3 | 15 | 36.5 | 20.7 | | 8.4 | | 34.6 | 34.2 | L |
| 9.5 | 41 | 23.7 | 50.3 | | 9.1 | | 28.7 | 51.6 | | 9.1 | | 47.7 | 20.2 | *b* | 8.4 | | 39.1 | 11.3 | K | 9.3 | | 42.1 | 41.1 | |
| 9.4 | | 23.8 | 57.7 | | 9.5 | | 45.9 | 46.2 | B | 9.2 | 3 | 1.5 | 45.9 | | 9.1 | | 50.5 | 33.5 | *b* | 9.5 | | 46.2 | 29.3 | |
| 9.5 | | 31.4 | 1.2 | | 9.2 | | 48.7 | 50.1 | | 9.2 | | 42.2 | 11.1 | | 8.7 | 16 | 0.1 | 11.8 | K | 9.1 | | 48.5 | 10.2 | B |
| 9.4 | | 59.0 | 8.1 | | 9.0 | | 52.2 | 12.6 | | 8.9 | | 47.7 | 53.8 | L | 9.3 | | 23.5 | 39.0 | | 9.4 | | 49.6 | 8.7 | |
| 7.8 | 42 | 10.5 | 33.0 | R | 9.2 | | 55.7 | 49.6 | | 9.4 | | 52.7 | 50.6 | | 9.4 | 17 | 1.5 | 0.0 | | 8.1 | | 52.9 | 9.5 | K |
| 9.5 | | 12.8 | 42.6 | | 9.4 | | 59.2 | 11.8 | | 8.5 | 4 | 1.6 | 41.7 | K | 9.5 | | 10.8 | 58.8 | | 9.5 | | 55.5 | 18.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *24.98* | *0.55* | | *10pr.* | | *25.03* | *0.69* | | *10pr.* | | *25.09* | *0.85* | | *10pr.* | | *25.18* | *1.01* | | *10pr.* | | *25.29* | *1.20* | |

3701—3760

| | 19ᵐ | | +23° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 29 | 1.6 | 36.9 | |
| 9.4 | | 9.7 | 5.8 | |
| 9.2 | | 11.5 | 0.6 | |
| 9.5 | | 26.4 | 54.4 | |
| 9.0 | | 38.5 | 14.7 | |
| 8.0 | | 48.7 | 32.0 | L |
| 8.0 | 30 | 11.7 | 21.9 | L |
| 9.5 | | 14.4 | 19.9 | |
| 9.3 | | 14.9 | 18.9 | B |
| 9.5 | | 22.8 | 38.1 | |
| 8.3 | | 23.2 | 40.8 | L |
| 9.3 | | 37.5 | 40.2 | |
| 9.3 | | 44.9 | 43.9 | B |
| 8.3 | | 45.8 | 13.2 | L |
| 9.5 | 31 | 0.0 | 48.7 | |
| 9.5 | | 32.8 | 32.3 | B |
| 8.0 | | 37.7 | 55.8 | L |
| 9.5 | | 39.4 | 20.5 | R |
| 9.5 | | 57.7 | 56.2 | |
| 9.5 | 32 | 16.7 | 20.6 | |
| 9.4 | | 17.2 | 21.9 | B |
| 9.5 | | 19.2 | 18.4 | |
| 9.5 | | 42.8 | 26.2 | |
| 9.2 | 33 | 7.7 | 15.6 | |
| 9.0 | | 20.0 | 33.1 | |
| 9.5 | | 42.6 | 29.7 | |
| 9.5 | | 47.1 | 41.1 | |
| 8.7 | 34 | 3.0 | 10.5 | |
| 8.0 | | 3.7 | 33.2 | R |
| 9.0 | | 7.4 | 40.9 | |
| 7.4 | | 14.0 | 8.7 | B |
| 9.2 | | 17.3 | 38.9 | |
| 6.2 | | 31.1 | 23.0 | L |
| 8.5 | | 39.5 | 23.6 | R |
| 9.3 | | 47.8 | 2.8 | |
| 7.9 | | 48.0 | 9.2 | B |
| 9.0 | | 48.5 | 9.5 | |
| 8.5 | | 52.0 | 47.2 | |
| 8.6 | 35 | 32.7 | 45.4 | Kb |
| 8.5 | | 42.1 | 2.5 | K |
| 9.5 | 36 | 0.7 | 37.6 | |
| 9.5 | | 9.0 | 55.1 | |
| 9.5 | | 10.5 | 56.6 | |
| 9.5 | | 24.6 | 27.2 | |
| 8.6 | | 39.7 | 7.2 | K |
| 9.1 | | 49.5 | 0.2 | K |
| 9.4 | 37 | 0.9 | 6.1 | |
| 9.5 | | 28.6 | 15.9 | |
| 9.5 | | 34.7 | 57.4 | |
| 9.1 | | 45.4 | 25.8 | b |
| 8.7 | | 46.1 | 19.6 | |
| 9.5 | | 49.5 | 0.2 | |
| 9.5 | | 49.7 | 58.3 | |
| 9.5 | | 58.3 | 49.9 | |
| 9.5 | 38 | 7.4 | 58.8 | |
| 9.0 | | 28.8 | 51.1 | |
| 9.4 | | 56.8 | 32.4 | |
| 9.5 | | 57.5 | 37.9 | |
| 8.9 | 39 | 5.0 | 41.8 | K |
| 7.2 | | 16.7 | 34.9 | K |
| 10pr. | | 25.38 | 1.33 | |

3761—3820

| | 19ᵐ | | +23° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.6 | 39 | 17.4 | 58.3 | |
| 9.2 | | 30.5 | 38.3 | |
| 9.3 | | 38.3 | 58.1 | |
| 9.5 | | 39.4 | 18.3 | |
| 9.5 | | 43.1 | 8.1 | |
| 9.2 | | 43.5 | 3.1 | |
| 8.2 | | 45.9 | 44.0 | K |
| 9.4 | 40 | 16.4 | 48.5 | |
| 9.0 | | 17.3 | 30.0 | |
| 9.5 | | 21.2 | 20.9 | |
| 9.1 | | 26.1 | 18.7 | |
| 9.1 | 41 | 8.6 | 3.1 | |
| 8.3 | | 16.1 | 33.9 | |
| 9.5 | | 22.8 | 59.2 | |
| 9.1 | | 43.5 | 23.8 | |
| 9.2 | | 44.6 | 50.7 | |
| 8.3 | | 45.9 | 52.9 | |
| 9.5 | | 58.7 | 30.9 | |
| 9.5 | | 59.3 | 37.9 | |
| 9.5 | 42 | 8.8 | 52.3 | |
| 9.5 | | 11.5 | 17.9 | |
| 9.5 | | 22.0 | 16.3 | |
| 9.3 | | 24.4 | 44.9 | |
| 9.5 | | 30.9 | 33.7 | |
| 9.5 | | 38.3 | 17.6 | |
| 9.5 | | 41.3 | 17.4 | |
| 9.5 | | 41.8 | 54.7 | |
| 9.4 | | 50.0 | 44.4 | |
| 8.8 | | 58.6 | 8.8 | B |
| 9.5 | 43 | 2.5 | 50.1 | |
| 9.2 | | 2.5 | 38.4 | b |
| 9.5 | | 6.6 | 40.8 | |
| 9.5 | | 18.6 | 20.8 | |
| 9.5 | | 41.1 | 6.9 | |
| 9.4 | | 41.5 | 45.8 | |
| 9.5 | | 45.1 | 34.7 | |
| 9.2 | | 53.8 | 26.7 | B |
| 8.2 | 44 | 17.9 | 47.5 | K |
| 9.0 | | 24.7 | 17.6 | |
| 8.9 | | 26.1 | 6.1 | |
| 9.1 | | 27.6 | 3.5 | |
| 9.2 | | 53.0 | 6.2 | |
| 9.1 | 45 | 2.1 | 31.9 | |
| 9.3 | | 3.7 | 32.4 | |
| 9.5 | | 12.4 | 55.1 | |
| 9.4 | | 15.8 | 30.9 | |
| 8.7 | | 17.9 | 9.7 | K |
| 9.0 | | 20.6 | 57.4 | |
| 9.5 | | 28.7 | 31.0 | |
| 9.5 | | 33.8 | 34.2 | |
| 8.9 | | 50.5 | 34.9 | |
| 9.0 | | 52.1 | 4.2 | |
| 9.0 | 46 | 0.1 | 4.4 | K |
| 9.5 | | 7.0 | 7.8 | |
| 9.5 | | 22.8 | 11.7 | |
| 9.4 | | 47.3 | 33.7 | B |
| 8.9 | 47 | 8.2 | 14.4 | K |
| 9.5 | | 11.3 | 26.2 | |
| 9.4 | | 17.9 | 6.1 | |
| 4.6 | | 18.1 | 42.0 | Lb |
| 10pr. | | 25.48 | 1.45 | |

3821—3880

| | 19ᵐ | | +23° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 47 | 19.1 | 17.6 | |
| 9.5 | | 27.3 | 8.4 | |
| 9.3 | | 27.4 | 3.8 | |
| 9.5 | | 41.8 | 27.4 | |
| 9.3 | | 46.0 | 23.2 | |
| 9.2 | | 47.2 | 10.7 | K |
| 9.5 | 48 | 2.5 | 21.0 | |
| 9.5 | | 11.6 | 5.8 | |
| 5.9 | | 21.9 | 56.5 | Lb |
| 9.0 | | 26.8 | 3.4 | K |
| 8.8 | | 29.9 | 19.2 | K |
| 9.1 | | 30.9 | 47.7 | B |
| 9.3 | | 31.6 | 51.5 | |
| 9.2 | | 39.5 | 5.1 | |
| 9.4 | 49 | 47.3 | 5.5 | |
| 9.4 | 49 | 3.4 | 45.6 | |
| 9.5 | | 5.7 | 19.2 | a |
| 9.1 | | 11.5 | 18.0 | K |
| 9.1 | | 40.7 | 49.6 | K |
| 9.1 | | 47.0 | 54.5 | |
| 9.5 | | 58.4 | 17.7 | |
| 9.5 | 50 | 15.2 | 50.1 | |
| 7.0 | | 27.0 | 30.3 | K |
| 9.4 | | 27.5 | 6.2 | |
| 7.0 | | 38.8 | 23.1 | K |
| 9.5 | 51 | 4.8 | 2.1 | |
| 7.5 | | 10.5 | 42.1 | K |
| 9.4 | | 12.7 | 50.8 | |
| 8.5 | | 49.0 | 30.7 | K |
| 9.5 | | 57.9 | 7.7 | |
| 9.5 | 52 | 11.8 | 13.0 | |
| 9.5 | | 15.1 | 6.0 | |
| 9.4 | | 31.4 | 41.7 | |
| 9.4 | | 32.8 | 34.7 | |
| 8.6 | | 34.4 | 5.3 | |
| 8.6 | | 36.0 | 57.7 | K |
| 9.5 | 53 | 7.8 | 52.0 | |
| 8.9 | | 14.8 | 2.7 | K |
| 9.3 | | 14.8 | 51.8 | |
| 9.1 | | 15.0 | 44.6 | |
| 9.5 | | 17.1 | 58.7 | |
| 9.4 | | 20.6 | 51.7 | |
| 9.1 | | 33.7 | 52.7 | B |
| 9.0 | | 43.1 | 38.4 | |
| 9.5 | 54 | 3.8 | 15.7 | |
| 9.2 | | 22.5 | 54.3 | |
| 7.8 | | 28.9 | 45.4 | B |
| 7.3 | | 31.5 | 23.7 | B |
| 9.5 | | 37.9 | 32.8 | |
| 9.3 | 55 | 12.6 | 27.1 | |
| 9.3 | | 40.5 | 41.6 | |
| 9.5 | | 44.9 | 38.1 | |
| 9.4 | | 48.3 | 59.6 | |
| 9.5 | 56 | 9.2 | 8.2 | |
| 9.5 | | 11.5 | 0.4 | |
| 9.5 | | 21.9 | 8.1 | |
| 9.3 | | 25.6 | 50.8 | |
| 9.5 | | 51.7 | 2.6 | |
| 9.2 | | 53.6 | 18.2 | K |
| 9.5 | | 59.7 | 1.1 | |
| 10pr. | | 25.59 | 1.57 | |

3881—3940

| | 19ᵐ—20ᵐ | | +23° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.0 | 57 | 3.6 | 41.4 | |
| 9.2 | | 29.0 | 47.7 | K |
| 9.5 | | 31.5 | 50.2 | |
| 9.5 | | 38.7 | 0.7 | B |
| 7.7 | | 43.6 | 26.3 | K |
| 9.5 | 58 | 5.1 | 7.2 | |
| 9.5 | | 10.5 | 0.9 | |
| 9.3 | | 14.8 | 21.3 | |
| 9.5 | | 34.3 | 11.0 | |
| 9.1 | | 44.0 | 17.0 | B |
| 7.9 | | 55.1 | 15.5 | L |
| 9.5 | 59 | 30.7 | 47.2 | |
| 9.5 | | 48.5 | 14.2 | B |
| 9.0 | 0 | 0.4 | 56.3 | |
| 9.5 | | 21.5 | 34.0 | |
| 5.2 | | 39.7 | 11.9 | Kb |
| 9.5 | | 46.7 | 2.7 | B |
| 9.5 | | 50.9 | 32.9 | |
| 9.4 | | 57.3 | 49.3 | B |
| 9.4 | 1 | 25.0 | 4.1 | |
| 9.5 | | 39.6 | 41.6 | |
| 9.4 | | 42.7 | 50.4 | |
| 9.5 | 2 | 8.3 | 8.0 | |
| 9.5 | | 32.3 | 11.9 | |
| 9.1 | 3 | 4.2 | 32.7 | b |
| 8.7 | | 13.8 | 29.0 | K |
| 8.8 | | 17.9 | 11.6 | |
| 9.5 | | 25.3 | 37.0 | |
| 9.5 | | 54.2 | 22.7 | |
| 9.3 | 4 | 31.2 | 58.7 | |
| 7.7 | | 36.0 | 6.2 | K |
| 8.9 | | 36.8 | 31.9 | K |
| 9.0 | | 42.1 | 29.0 | B |
| 9.1 | | 44.7 | 26.0 | |
| 9.3 | 5 | 2.2 | 19.3 | |
| 8.3 | | 14.9 | 46.7 | |
| 9.4 | | 29.5 | 14.7 | a |
| 8.5 | | 32.7 | 14.8 | |
| 9.2 | | 39.3 | 37.4 | |
| 9.0 | | 47.8 | 20.7 | |
| 8.0 | | 48.0 | 29.1 | K |
| 9.4 | 6 | 0.1 | 3.8 | |
| 8.7 | | 1.8 | 37.7 | K |
| 9.5 | | 11.5 | 53.7 | |
| 8.7 | | 13.3 | 22.1 | L |
| 9.0 | | 14.5 | 4.1 | |
| 9.0 | | 20.1 | 21.0 | |
| 9.3 | | 25.0 | 11.8 | |
| 9.5 | | 25.7 | 48.5 | |
| 9.3 | | 45.2 | 20.4 | B |
| 9.0 | | 52.9 | 33.5 | K |
| 8.3 | 7 | 7.2 | 45.4 | K |
| 8.0 | | 10.3 | 1.0 | K |
| 9.1 | | 17.5 | 46.1 | K |
| 7.0 | | 26.8 | 47.8 | K |
| 9.2 | | 42.0 | 31.6 | b |
| 9.4 | | 48.9 | 7.4 | |
| 9.5 | | 52.0 | 50.1 | |
| 9.5 | 8 | 37.6 | 47.1 | |
| 9.3 | | 39.0 | 34.4 | |
| 10pr. | | 25.74 | 1.73 | |

3941—4000

| | 20ᵐ | | +23° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 8 | 43.8 | 5.2 | |
| 9.4 | | 58.0 | 34.0 | |
| 8.0 | 9 | 15.1 | 18.1 | B |
| 5.5 | | 15.5 | 3.9 | Pb |
| 9.5 | | 22.3 | 51.5 | |
| 9.4 | | 29.4 | 6.7 | |
| 9.3 | | 48.6 | 22.8 | |
| 9.2 | | 50.9 | 55.4 | K |
| 9.5 | | 58.3 | 35.4 | |
| 9.0 | 10 | 14.3 | 0.0 | K |
| 9.5 | | 38.8 | 37.6 | |
| 9.5 | | 39.0 | 29.0 | |
| 9.5 | | 42.0 | 42.7 | |
| 9.5 | | 52.7 | 9.5 | |
| 9.5 | | 53.6 | 23.7 | |
| 9.0 | 11 | 0.2 | 47.5 | K |
| 9.3 | | 10.3 | 42.5 | K |
| 9.5 | | 11.3 | 50.9 | |
| 9.2 | | 19.7 | 50.5 | K |
| 9.4 | | 29.4 | 45.9 | B |
| 9.5 | | 31.0 | 45.2 | |
| 9.3 | | 36.8 | 42.2 | K |
| 9.3 | | 40.0 | 54.1 | |
| 9.5 | | 47.3 | 14.8 | |
| 9.5 | 12 | 48.2 | 28.5 | |
| 9.5 | 13 | 0.8 | 57.9 | |
| 9.5 | | 2.9 | 26.5 | |
| 9.5 | | 11.8 | 54.6 | B |
| 9.5 | | 12.2 | 16.4 | |
| 8.4 | | 22.2 | 46.7 | K |
| 9.5 | | 41.1 | 34.9 | |
| 9.5 | | 44.2 | 2.7 | |
| 8.7 | | 47.6 | 11.2 | K |
| 8.8 | | 55.0 | 57.0 | L |
| 8.7 | 14 | 2.3 | 46.7 | K |
| 9.5 | | 14.9 | 6.5 | |
| 9.0 | | 26.4 | 8.7 | K |
| 9.0 | | 37.0 | 5.1 | K |
| 9.3 | | 41.7 | 42.2 | |
| 9.5 | | 49.1 | 14.0 | |
| 9.4 | 15 | 4.8 | 12.2 | |
| 8.8 | | 8.5 | 4.3 | K |
| 8.7 | | 19.8 | 18.1 | K |
| 9.5 | | 32.4 | 23.6 | |
| 9.0 | | 48.9 | 53.7 | B |
| 6.1 | | 49.7 | 59.5 | L |
| 9.1 | | 52.3 | 16.8 | |
| 9.1 | | 58.4 | 14.1 | K |
| 9.4 | 16 | 5.5 | 18.8 | |
| 9.3 | | 10.9 | 52.1 | |
| 9.3 | | 11.1 | 54.4 | |
| 9.5 | | 13.6 | 2.0 | |
| 9.5 | | 24.1 | 56.2 | |
| 8.1 | | 25.7 | 36.8 | K |
| 9.5 | | 28.9 | 8.3 | |
| 9.1 | | 32.9 | 35.0 | |
| 8.5 | | 49.3 | 49.5 | L |
| 8.2 | | 56.7 | 34.4 | K |
| 8.5 | 17 | 8.6 | 12.2 | K |
| 9.5 | | 13.7 | 32.0 | |
| 10pr. | | 25.87 | 1.84 | |

| m | 20ʰ | +23° | |
|---|---|---|---|
| | 4001—4060 | | |
| 9.5 | 17′ 50.5 | 29.1 | |
| 9.5 | 50.7 | 19.2 | |
| 9.5 | 51.5 | 9.1 | |
| 7.5 | 18 10.5 | 48.6 | K |
| 9.5 | 10.9 | 34.9 | Rb |
| 9.1 | 17.1 | 3.5 | K |
| 9.5 | 26.4 | 54.5 | |
| 9.5 | 31.9 | 4.9 | |
| 9.5 | 44.7 | 20.3 | |
| 9.0 | 49.6 | 49.5 | K |
| 9.2 | 51.3 | 36.4 | K |
| 9.5 | 19 0.5 | 15.5 | |
| 9.2 | 3.0 | 26.6 | |
| 9.0 | 5.1 | 51.4 | K |
| 9.5 | 8.3 | 0.3 | |
| 9.5 | 35.9 | 34.3 | |
| 8.5 | 41.5 | 7.8 | K |
| 8.8 | 55.6 | 58.2 | K |
| 9.3 | 19 58.2 | 48.6 | |
| 9.5 | 20 5.6 | 15.0 | |
| 9.4 | 7.7 | 6.4 | |
| 8.8 | 21 3.5 | 11.0 | L |
| 7.5 | 4.2 | 19.2 | K |
| 9.5 | 21.7 | 56.0 | |
| 9.5 | 31.7 | 42.6 | |
| 9.5 | 32.5 | 33.1 | |
| 9.4 | 51.1 | 38.8 | |
| 9.5 | 22 7.7 | 28.0 | |
| 9.3 | 8.2 | 1.6 | |
| 9.1 | 22.6 | 36.5 | Rb |
| 9.3 | 28.1 | 20.8 | |
| 9.4 | 29.0 | 25.2 | |
| 9.4 | 33.3 | 32.9 | R |
| 9.5 | 45.3 | 52.5 | |
| 9.5 | 23 6.6 | 22.3 | |
| 9.5 | 18.8 | 34.6 | |
| 9.5 | 31.6 | 2.3 | |
| 8.2 | 31.9 | 34.9 | K |
| 9.5 | 24 43.5 | 42.9 | |
| 9.5 | 43.7 | 32.9 | |
| 9.5 | 44.0 | 35.8 | |
| 9.5 | 45.9 | 56.8 | |
| 9.4 | 49.7 | 32.4 | B |
| 9.5 | 25 12.9 | 57.2 | |
| 8.8 | 20.0 | 4.4 | |
| 9.0 | 24.9 | 8.9 | |
| 8.9 | 25.3 | 36.5 | |
| 9.3 | 38.1 | 26.4 | |
| 9.5 | 59.0 | 35.8 | |
| 9.5 | 59.8 | 4.0 | |
| 9.4 | 26 59.0 | 11.8 | |
| 9.5 | 27 1.6 | 35.3 | |
| 9.2 | 18.4 | 23.9 | |
| 8.5 | 31.7 | 42.0 | K |
| 9.5 | 52.3 | 57.9 | |
| 9.5 | 56.5 | 43.5 | |
| 9.4 | 28 5.0 | 30.5 | |
| 9.4 | 5.1 | 38.0 | |
| 9.4 | 9.5 | 13.8 | |
| 9.0 | 23.6 | 31.4 | R |
| | + | + | |
| 10pr. | 26.00 | 1.95 | |

| m | 20ʰ | +23° | |
|---|---|---|---|
| | 4061—4120 | | |
| 9.5 | 28′ 29.2 | 31.0 | |
| 9.2 | 30.5 | 12.3 | B |
| 9.4 | 38.7 | 30.8 | B |
| 9.5 | 43.3 | 40.7 | B |
| 8.2 | 43.4 | 12.7 | K |
| 9.5 | 44.9 | 43.0 | B |
| 9.5 | 29 0.3 | 26.4 | |
| 9.4 | 2.9 | 3.1 | B |
| 9.5 | 13.5 | 29.8 | |
| 9.5 | 42.2 | 28.8 | |
| 9.1 | 30 1.7 | 30.5 | b |
| 9.1 | 5.7 | 0.5 | |
| 9.5 | 7.0 | 4.2 | |
| 9.0 | 9.5 | 11.6 | K |
| 9.5 | 11.6 | 17.8 | |
| *9.0 | 30.0 | 1.9 | |
| 9.5 | 43.5 | 2.3 | |
| 9.4 | 49.3 | 5.1 | |
| 9.5 | 31 0.4 | 48.1 | |
| 9.1 | 9.2 | 8.4 | K |
| 9.5 | 36.3 | 40.0 | |
| 9.5 | 50.1 | 6.5 | |
| 8.8 | 32 4.8 | 16.4 | K |
| 5.3 | 13.2 | 36.6 | Kb |
| 6.8 | 15.1 | 10.1 | K |
| 9.5 | 21.7 | 53.0 | |
| 9.5 | 37.7 | 4.3 | |
| 9.0 | 43.4 | 52.2 | |
| 8.8 | 44.3 | 21.1 | K |
| 8.6 | 47.1 | 54.7 | K |
| 9.5 | 33 11.4 | 14.9 | |
| 9.5 | 24.1 | 2.1 | |
| 9.5 | 25.2 | 5.5 | |
| 8.3 | 42.6 | 33.9 | |
| 8.5 | 51.4 | 24.9 | L |
| 9.5 | 34 12.0 | 59.6 | |
| 9.5 | 16.8 | 28.9 | |
| 9.0 | 24.2 | 10.9 | B |
| 9.3 | 32.0 | 21.4 | |
| 9.5 | 33.9 | 2.6 | |
| 9.5 | 48.9 | 45.6 | |
| 9.5 | 58.9 | 18.7 | |
| 9.5 | 35 0.5 | 40.6 | |
| 9.5 | 5.6 | 20.1 | |
| 9.5 | 15.3 | 4.5 | |
| 8.7 | 17.5 | 31.0 | K |
| 7.3 | 22.4 | 40.1 | K |
| 9.5 | 37.2 | 28.0 | |
| 8.7 | 36 5.3 | 9.0 | K |
| 8.3 | 6.7 | 28.6 | K |
| 9.4 | 11.5 | 56.6 | |
| 9.5 | 17.2 | 51.0 | |
| 9.3 | 17.4 | 29.5 | |
| 9.2 | 22.1 | 21.1 | B |
| 9.4 | 24.4 | 14.0 | |
| 9.5 | 41.4 | 39.9 | |
| 9.5 | 49.1 | 29.8 | |
| 9.2 | 57.2 | 16.0 | |
| 7.9 | 37 3.5 | 7.6 | K |
| 9.4 | 8.4 | 7.6 | |
| | + | + | |
| 10pr. | 26.16 | 2.07 | |

| m | 20ʰ | +23° | |
|---|---|---|---|
| | 4121—4180 | | |
| 8.2 | 37′ 11.6 | 0.6 | K |
| 9.2 | 11.8 | 23.8 | |
| 9.0 | 25.8 | 11.2 | K |
| 7.5 | 26.4 | 16.3 | K |
| 8.9 | 50.7 | 34.6 | |
| 9.0 | 38 3.0 | 50.5 | |
| 8.6 | 7.1 | 24.7 | K |
| 8.6 | 9.0 | 21 0 | K |
| 8.0 | 13.9 | 5.7 | Kb |
| 9.4 | 19.9 | 53.9 | B |
| 9.5 | 22.5 | 12.3 | |
| 9.5 | 25.8 | 48.2 | |
| 9.1 | 31.0 | 9.9 | B |
| 9.5 | 33.4 | 16.9 | |
| 9.0 | 39.8 | 36.0 | |
| 9.5 | 44.3 | 3.0 | |
| 9.3 | 58.8 | 56.1 | |
| 9.3 | 39 14.9 | 53.8 | |
| 9.5 | 20.8 | 48.8 | |
| 8.7 | 23.8 | 44.8 | |
| 9.3 | 40.3 | 6.8 | |
| 9.4 | 44.1 | 25.9 | |
| 8.8 | 44.2 | 22.8 | K |
| 9.2 | 53.9 | 26.6 | B |
| 9.5 | 54.7 | 33.6 | |
| 9.5 | 40 12.6 | 49.5 | |
| 9.2 | 19.0 | 27.8 | |
| 7.5 | 24.2 | 56.1 | K |
| 9.5 | 37.1 | 3.8 | |
| 8.3 | 43.0 | 31.4 | K |
| 9.0 | 43.8 | 23.0 | K |
| 9.5 | 43.9 | 7.9 | |
| 9.5 | 41 18.0 | 53.7 | |
| 9.2 | 25.3 | 19.6 | |
| 9.5 | 28.5 | 32.3 | |
| 9.1 | 53.4 | 53.5 | b |
| 9.2 | 58.8 | 30.6 | b |
| 9.5 | 43 9.3 | 26.3 | |
| 9.5 | 13.5 | 57.0 | |
| 9.3 | 14.5 | 1.2 | |
| 9.5 | 23.0 | 17.6 | |
| 9.5 | 40.2 | 45.2 | |
| 9.5 | 44 6.8 | 45.7 | |
| 9.5 | 10.7 | 20.5 | |
| 8.0 | 11.9 | 12.4 | K |
| 9.5 | 56.4 | 45.0 | |
| 8.8 | 56.9 | 39.6 | K |
| 8.8 | 45 16.9 | 1.3 | |
| 9.5 | 22.2 | 53.6 | |
| 9.5 | 26.3 | 16.3 | |
| 9.5 | 45 40.2 | 30.6 | |
| 9.5 | 46 15.1 | 53.6 | |
| 9.3 | 47 20.0 | 5.0 | |
| 9.5 | 23.4 | 32.6 | |
| 8.9 | 33.2 | 53.7 | |
| 8.7 | 33.7 | 33.2 | |
| 9.3 | 38.0 | 17.5 | |
| 9.5 | 53.6 | 32.1 | |
| 9.5 | 48 7.7 | 49.8 | |
| 9.4 | 12.8 | 7.9 | R |
| | + | + | |
| 10pr. | 26.28 | 2.16 | |

| m | 20ʰ | +23° | |
|---|---|---|---|
| | 4181—4240 | | |
| 9.5 | 48′ 29.4 | 47.7 | |
| 9.2 | 49 27.7 | 54.0 | |
| 9.5 | 41.4 | 22.5 | |
| 9.5 | 59.7 | 6.7 | |
| 9.5 | 50 3.8 | 46.0 | |
| 9.3 | 12.6 | 43.5 | |
| 9.0 | 28.4 | 38.9 | |
| 9.5 | 29.2 | 15.5 | |
| 9.3 | 34.7 | 2.7 | |
| 8.0 | 35.7 | 7.0 | K |
| 9.2 | 52.6 | 11.4 | |
| 9.4 | 58.2 | 37.6 | |
| 9.4 | 59.7 | 41.9 | |
| 9.5 | 51 2.2 | 46.0 | B |
| 9.5 | 14.4 | 48.4 | |
| 9.2 | 16.1 | 13.8 | |
| 9.5 | 22.9 | 15.4 | |
| 9.5 | 24.7 | 51.3 | B |
| 9.4 | 33.0 | 58.4 | |
| 8.1 | 34.3 | 42.0 | K |
| 8.0 | 47.5 | 20.1 | L |
| 8.8 | 54.8 | 39.6 | K |
| 9.5 | 52 2.7 | 40.8 | |
| 9.5 | 53 10.6 | 44.5 | B |
| 9.5 | 16.4 | 0.1 | |
| 9.5 | 22.5 | 21.1 | |
| 9.4 | 32.9 | 2.8 | B |
| 9.5 | 43.2 | 59.3 | |
| 9.5 | 47.2 | 40.5 | |
| 9.5 | 54 30.5 | 45.5 | |
| 9.4 | 34.3 | 16.5 | B |
| 9.5 | 34.8 | 16.0 | |
| 9.1 | 48.0 | 38.9 | b |
| 9.4 | 55 10.1 | 3.2 | |
| 9.4 | 10.9 | 0.4 | |
| 7.9 | 29.0 | 6.1 | L |
| 8.9 | 48.5 | 35.9 | K |
| 9.5 | 53.1 | 19.4 | |
| 9.5 | 56 1.3 | 47.5 | |
| 9.4 | 14.3 | 2.8 | |
| 9.5 | 30.2 | 33.4 | |
| 7.5 | 46.0 | 52.9 | L |
| 9.2 | 47.4 | 30.2 | |
| 7.5 | 57 4.0 | 25.4 | Lb |
| 9.5 | 9.3 | 5.9 | |
| 9.5 | 16.9 | 7.5 | |
| 9.2 | 20.2 | 1.1 | |
| *8.9 | 39.4 | 49.2 | |
| *9.3 | 52.0 | 4.4 | |
| var | 55.7 | 14.9 | P |
| 9.5 | 58 2.0 | 15.2 | aB |
| 9.4 | 12.3 | 0.9 | B |
| 7.8 | 47.8 | 1.4 | K |
| 9.5 | 59 7.5 | 46.7 | |
| 8.3 | 8.0 | 59.4 | K |
| 7.9 | 33.8 | 55.1 | K |
| 8.9 | 38.5 | 57.7 | K |
| 9.4 | 42.9 | 12.1 | |
| 9.5 | 45.9 | 49.9 | |
| 9.4 | 51.7 | 19.6 | B |
| | + | + | |
| 10pr. | 26.52 | 2.31 | |

| m | 20ʰ—21ʰ | +23° | |
|---|---|---|---|
| | 4241—4300 | | |
| 9.4 | 59′ 56.5 | 45.9 | B |
| *9.4 | 0 11.3 | 54.5 | B |
| *8.3 | 34.1 | 0.2 | K |
| 9.1 | 38.1 | 58.5 | K |
| 9.4 | 43.2 | 31.1 | |
| 9.5 | 51.5 | 34.9 | |
| 9.3 | 58.7 | 55.1 | |
| 8.7 | 59.8 | 26.2 | |
| 8.7 | 1 2.7 | 53.4 | K |
| 9.3 | 23.5 | 2.4 | |
| 9.4 | 41.9 | 18.3 | |
| 8.9 | 42.2 | 30.9 | K |
| 8.2 | 57.7 | 31.7 | K |
| 9.4 | 2 39.6 | 8.7 | |
| 9.5 | 49.1 | 10.7 | |
| 9.1 | 3 5.3 | 26.3 | b |
| 9.4 | 8.1 | 10.2 | |
| 9.1 | 4 14.8 | 58.3 | b |
| 9.3 | 27.9 | 43.3 | |
| 9.5 | 35.0 | 13.2 | |
| 9.5 | 5 8.6 | 9.0 | |
| 9.5 | 20.7 | 6.3 | |
| 9.4 | 25.8 | 51.9 | |
| 8.0 | 26.6 | 33.9 | K |
| 9.5 | 6 27.7 | 14.4 | |
| 9.4 | 27.8 | 17.7 | B |
| 9.4 | 35.5 | 47.0 | |
| 9.0 | 49.8 | 10.0 | K |
| 8.5 | 7 30.8 | 56.3 | |
| 9.2 | 8 3.7 | 48.5 | |
| 9.5 | 10.6 | 54.0 | |
| 9.4 | 13.7 | 50.0 | B |
| 9.5 | 17.5 | 22.0 | |
| 9.5 | 42.6 | 48.5 | |
| 8.5 | 43.0 | 28.3 | K |
| 9.4 | 9 8.3 | 0.2 | B |
| 9.5 | 11.2 | 58.2 | |
| 9.5 | 17.3 | 31.0 | |
| 9.5 | 23.6 | 16.9 | |
| 9.2 | 24.1 | 5.1 | |
| 9.3 | 10 8.0 | 56.0 | |
| 9.3 | 11 13.1 | 7.9 | |
| 9.0 | 24.5 | 34.5 | |
| 9.5 | 25.9 | 41.1 | B |
| 8.0 | 47.1 | 18.6 | K |
| 9.4 | 12 37.1 | 44.9 | |
| 9.4 | 41.4 | 35.1 | |
| 9.4 | 44.5 | 56 6 | B |
| 8.3 | 13 5.4 | 26.0 | |
| 9.0 | 5.5 | 48.4 | |
| 9.1 | 41.0 | 58.6 | |
| 9.5 | 43.7 | 31.2 | |
| 9.2 | 14 11.1 | 37.3 | B |
| 5.9 | 30.7 | 15.2 | K |
| 9.0 | 56.3 | 54.3 | |
| 8.3 | 15 26.8 | 12.5 | B |
| 9.5 | 55.3 | 53.9 | |
| 8.5 | 17 2.7 | 41.3 | K |
| 9.2 | 4.2 | 2.8 | |
| 5.8 | 26.3 | 40.0 | K |
| | + | + | |
| 10pr. | 26.76 | 2.44 | |

| | | | | |
|---|---|---|---|---|
| 4075 a | | | | |
| 9.5 | 30 | 17.7 | 30.0 | b |

| | | | | |
|---|---|---|---|---|
| 4228 a | | | | |
| 9.5 | 57 | 41.0 | 7.9 | B |

| | | | | |
|---|---|---|---|---|
| 4242 a | | | | |
| 9.4 | 0 | 13.9 | 46.1 | B |

| 4301—4360 | | | | | 4361—4420 | | | | | 4421—4480 | | | | | 4481—4540 | | | | | 4541—4600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ᵘ | | +23° | | | 21ᵘ | | +23° | | | 21ᵘ—22ᵘ | | +23° | | | 22ᵘ | | +23° | | | 22ᵘ | | +23° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 17 | 35.0 | 37.1 | | 7.1 | 32 | 47.9 | 50.5 | B | 9.5 | 47 | 19.5 | 35.8 | | 9.3 | 3 | 52.6 | 18.1 | | 9.5 | 20 | 44.4 | 50.3 | |
| 8.3 | | 39.4 | 6.7 | K | 8.8 | 33 | 2.1 | 40.3 | Rb | 9.4 | | 22.6 | 54.2 | | 8.6 | 4 | 11.6 | 46.2 | K | 8.0 | | 46.1 | 6.2 | K |
| 9.5 | | 43.6 | 24.6 | | 8.6 | | 5.9 | 2.5 | | 9.5 | | 38.4 | 1.3 | | 9.3 | | 12.9 | 59.2 | | 9.3 | | 47.9 | 34.3 | |
| 9.3 | | 44.8 | 42.8 | B | 9.5 | | 13 4 | 58.6 | | 9.4 | 48 | 11.2 | 53.7 | | 7.9 | 5 | 10.2 | 4.2 | R | 9.3 | 21 | 1.8 | 54.9 | |
| 6.2 | | 52.6 | 55.1 | L | 8.8 | | 27.0 | 18.2 | | 9.5 | | 43.0 | 53.9 | | 9.5 | | 16.1 | 8.5 | | 9.3 | | 27.7 | 1.3 | |
| 9.5 | 18 | 15.8 | 18.6 | | 9.0 | | 35.9 | 40.6 | K | 9.5 | 49 | 19.5 | 9.3 | | 7.5 | | 40.3 | 2.9 | K | 9.5 | | 30.5 | 34.7 | |
| 8.8 | | 29.3 | 48.2 | K | 9.5 | | 45.1 | 55.5 | B | 9.5 | | 20.4 | 22.7 | | 9.4 | | 50.0 | 3.8 | | 8.7 | | 37.3 | 44.2 | |
| 7.9 | | 46.3 | 52.8 | K | 8.5 | | 59.4 | 35.8 | K | 8.0 | | 26.2 | 39.3 | K | 9.5 | 6 | 18.0 | 3.7 | | 9.2 | | 49.8 | 42.4 | |
| 9.5 | | 55.5 | 3.0 | | 9.2 | 34 | 47.0 | 2.7 | b | 8.8 | | 57.2 | 13.1 | K | 9.4 | | 39.3 | 12.3 | | 9.3 | | 56.0 | 54.1 | |
| 9.5 | 19 | 31.0 | 44.9 | B | 9.5 | 35 | 0.0 | 0.7 | | 9.5 | 50 | 18.1 | 14.3 | B | 8.2 | | 39.8 | 19.5 | K | 9.2 | 22 | 23.2 | 25.9 | b |
| 9.5 | | 32.4 | 25.4 | | 9.4 | | 18.8 | 40.7 | | 8.7 | | 35.4 | 37.9 | L | 9 3 | 7 | 32.3 | 17.3 | | 9.5 | | 47.2 | 51.5 | |
| 9.5 | | 41.4 | 34.3 | | 9.4 | | 23.8 | 48.0 | R | 9.3 | | 40.2 | 58.7 | | 9.5 | | 53.7 | 53.6 | | 9.3 | | 51.9 | 40.5 | |
| 9.0 | | 57.0 | 4.1 | | 9.5 | | 40.3 | 27.5 | R | 8.4 | 51 | 4.3 | 2.0 | B | 7.2 | 8 | 2.0 | 35.2 | Kb | 9.5 | 23 | 48.9 | 20.7 | |
| 9.5 | | 57.3 | 18.9 | | 9.4 | | 43.0 | 53.8 | | 9.5 | | 4.3 | 6.0 | | 9.5 | | 29.4 | 6.0 | | 9.4 | | 56.5 | 24.6 | |
| 8.5 | 20 | 6.0 | 40.3 | K | 9.5 | | 54.2 | 41.3 | | 9.4 | | 16.5 | 13.4 | | 9.3 | | 49.4 | 54.0 | | 7.5 | 24 | 19 9 | 14.5 | K |
| 9.5 | | 21.5 | 40.5 | B | 9.2 | 36 | 12.1 | 23.6 | B | 9.3 | | 38.0 | 37.9 | | 8.7 | 9 | 19.8 | 50.2 | L | 9.5 | | 52.0 | 51.6 | |
| 8.5 | | 56.3 | 41.7 | K | 9.3 | | 28.4 | 37.1 | R | 9.4 | | 54.5 | 56.4 | | 8.6 | | 20.9 | 45.6 | L | 9.5 | | 54.9 | 45.1 | |
| 7.8 | 21 | 30.3 | 58.2 | K | 8.5 | | 45.4 | 35.7 | R | 9.4 | 52 | 7.0 | 45.6 | B | 8.5 | | 36.4 | 28.0 | L | 8.3 | | 59.3 | 7.2 | Kb |
| 9.1 | | 46.6 | 59.4 | K | 8.5 | | 47.2 | 13.7 | | 9.4 | | 16.3 | 20.4 | B | 9.5 | | 49.8 | 28.2 | | 9.1 | 25 | 24.2 | 1.3 | |
| 8.8 | | 47.2 | 2.0 | | 9.1 | 37 | 0.0 | 30.9 | | 9.5 | | 18.1 | 27.9 | | 9.1 | 10 | 5.9 | 49.2 | K | 8.7 | | 55.8 | 51.5 | |
| 9.3 | 22 | 18.2 | 6.4 | B | 8.3 | | 15.7 | 28.0 | | 9.3 | | 38.5 | 59.9 | | 9.1 | | 13.1 | 53.2 | | 9.5 | 26 | 6.0 | 36.6 | |
| 9.3 | | 24.2 | 10.1 | | 9.5 | | 18.5 | 16.9 | | 7.5 | 53 | 7.9 | 14.1 | L | 9.5 | | 23.4 | 10.5 | | 9.5 | | 12.5 | 52.5 | |
| 9.5 | 23 | 12.7 | 57.1 | | 9.4 | | 22.2 | 17.6 | | 8.5 | | 19.4 | 24.1 | R | 9.4 | | 59.8 | 21.0 | | 9.4 | | 44.4 | 51.6 | |
| 9.4 | | 21.3 | 14.8 | a | 8.2 | | 42.3 | 55.2 | B | 9.5 | | 53.8 | 57.6 | | 9.3 | 11 | 4.2 | 7.0 | | 9.3 | 27 | 18.1 | 51.9 | |
| 4.5 | | 23.2 | 0.0 | Kb | 9.0 | 38 | 34.7 | 7.3 | | 9.5 | | 55.4 | 13.0 | | 9.3 | | 9.9 | 25.6 | R | 9.5 | | 18.5 | 1.8 | |
| 8.5 | | 35.3 | 17.2 | K | 9.0 | | 50.2 | 33.8 | | 9.3 | 54 | 21.1 | 59.7 | | 9.3 | | 10.0 | 36.0 | | 9.4 | | 34.9 | 6.0 | |
| 8.5 | | 40.4 | 17.2 | K | 8.2 | | 51.4 | 51.8 | B | 9.1 | | 45.3 | 36.4 | | 8.8 | | 24.1 | 22.7 | K | 9.3 | | 43.2 | 21.6 | |
| 9.4 | 25 | 10.8 | 1.3 | | 9.5 | 39 | 5.7 | 36.9 | | 8.5 | | 53.9 | 52.0 | K | 9.0 | 12 | 12.2 | 54.9 | | 9.0 | 29 | 35.0 | 21.4 | K |
| 6.5 | | 16.5 | 12.7 | L | 9.1 | | 56.3 | 49.3 | | 8.3 | | 58.1 | 1.4 | | 9.0 | 13 | 3.1 | 14.0 | K | 9.5 | | 37.4 | 28.9 | |
| 9.4 | | 43.4 | 58.0 | | 8.5 | 40 | 21.0 | 1.4 | K | 9.5 | 55 | 6.7 | 43.8 | B | 9.3 | | 8.8 | 37.5 | | 9.3 | | 45.0 | 24.5 | |
| 8.8 | | 45.4 | 4.5 | | 9.3 | | 32.3 | 10.3 | | 9.0 | | 8.7 | 32.9 | B | 9.5 | | 13.9 | 3.0 | | 8.8 | | 54.0 | 42.5 | |
| 9.4 | | 56.8 | 6.3 | B | 7.8 | | 32.5 | 27.2 | R | 9.3 | | 11.0 | 12.3 | | 9.4 | | 36.8 | 12.4 | | 9.3 | 30 | 10.8 | 45.1 | |
| 9.0 | 26 | 3.0 | 34.8 | L | 9.4 | | 54.7 | 50.8 | | 9.5 | 56 | 0.7 | 10.5 | | 8.5 | | 40.0 | 49.0 | B | 9.3 | | 15.5 | 21.5 | |
| 8.5 | | 19.5 | 28.2 | L | 9.3 | | 54.8 | 30.0 | | 9 4 | | 21.4 | 22.4 | | 9 3 | | 44.7 | 54 4 | | 9.3 | | 23.9 | 15.5 | |
| 9.5 | 27 | 17.2 | 20.3 | | 9.0 | | 59.8 | 13.1 | | 9.3 | | 22.9 | 17.6 | B | 9.5 | 14 | 37.0 | 25.8 | | 9.1 | | 31.5 | 11.2 | B |
| 9.3 | | 24.9 | 25.5 | B | 9.4 | 41 | 0.7 | 49.0 | B | 9.0 | 57 | 3.4 | 56.3 | | 8.0 | | 44.5 | 20.8 | K | 6.5 | | 38.8 | 15.2 | K |
| 8.2 | | 34.3 | 26.9 | Kb | 8.2 | | 7.9 | 48.6 | K | 9.1 | | 12.7 | 21.0 | K | 9.4 | | 45.1 | 58.7 | | 9.3 | | 44.3 | 51.6 | |
| 9.5 | | 48.0 | 6.2 | B | 9.3 | | 9.1 | 44.6 | B | 8.8 | | 34.8 | 18.9 | K | 9.4 | | 56.0 | 31.3 | B | 8.7 | 31 | 1.0 | 24.9 | K |
| 9.3 | 28 | 4.4 | 9.0 | B | 7.2 | | 33.4 | 48.2 | K | 9.1 | | 49 0 | 8.8 | | 9.5 | 15 | 9.3 | 5.9 | | 9.4 | | 38.4 | 54.8 | |
| 9.5 | | 24.3 | 34.1 | | 8.9 | | 52.3 | 42.0 | | 9.3 | 58 | 0.7 | 29.3 | | 9.5 | | 15.9 | 50.2 | | 9.3 | | 55.5 | 58.1 | B |
| 9.0 | | 24.7 | 23.1 | | 9.0 | | 54.8 | 12.4 | K | 8.8 | | 37.4 | 28.6 | | 9.5 | 16 | 2.4 | 59.0 | | 9.3 | 32 | 8.8 | 15.9 | |
| 9.5 | | 36.5 | 19.3 | B | 9.5 | 42 | 5.7 | 57.5 | | 9.4 | | 39.4 | 11.1 | | 9.4 | | 9.6 | 43.4 | | 9.4 | | 17 8 | 34.3 | |
| 8.6 | | 41.4 | 51.1 | | 8.5 | | 10.0 | 4.1 | K | 9.5 | 0 | 2.0 | 43.1 | | 9.5 | | 11.3 | 48.3 | | 9.5 | | 26.6 | 3.6 | |
| 9.5 | | 49.8 | 2.8 | | 9.4 | | 34.4 | 59.0 | | 9.5 | | 21.2 | 4.0 | | 9.5 | | 16.2 | 3.0 | | 9.5 | 33 | 1.0 | 53.9 | |
| 8.9 | | 51.8 | 17.2 | | 9.1 | | 39.8 | 31.7 | | 9.5 | | 37.0 | 35.8 | | 9.5 | | 22.9 | 33 9 | | 9 5 | | 1.1 | 53.4 | |
| 6.5 | | 54.4 | 50.8 | L | 7.8 | 43 | 3.8 | 23.8 | K | 8.5 | | 40.0 | 19.6 | | 9.5 | 17 | 5.3 | 53.4 | | 8.5 | | 1.5 | 2.1 | K |
| 7.8 | | 59.5 | 19.9 | B | 9.5 | | 12.0 | 8.2 | | 9.4 | 1 | 5.6 | 26.8 | B | 9.5 | | 35.0 | 6.0 | | 9.5 | | 13.5 | 9.4 | |
| 9.0 | 29 | 10.7 | 28.3 | B | 9.5 | | 12.8 | 17.5 | | 9.1 | | 15.6 | 4.7 | | 9.4 | 18 | 13.4 | 13.5 | | 8.2 | | 19.2 | 38.9 | K |
| 7.4 | | 17.3 | 19.3 | B | 9.5 | | 29.2 | 52.6 | B | 9.5 | | 28.0 | 33.3 | | 9.5 | | 25.0 | 40.6 | | 9.0 | | 43.0 | 21.6 | |
| 9.0 | | 50.0 | 13.6 | K | 9.5 | | 36.7 | 53.0 | | 8.7 | | 33.5 | 36.7 | K | 9.5 | | 33.9 | 59.4 | | 9.4 | | 46.7 | 31.8 | |
| 8.8 | | 50.8 | 43.0 | | 9.2 | | 44.0 | 8.7 | | 9.3 | | 34.2 | 34.2 | | 9.1 | | 44.8 | 34.7 | K | 9.1 | 34 | 10.0 | 17.0 | |
| 9.1 | 30 | 19.7 | 46.2 | | 9.2 | 44 | 55.3 | 11.6 | B | 6.8 | | 35.4 | 27.8 | K | 8.8 | | 52.1 | 22.3 | L | 7.3 | | 31.9 | 4.8 | K |
| 9.5 | | 19.5 | 10.1 | | 9.2 | 45 | 21.0 | 16.1 | | 9.3 | | 35.9 | 56.5 | | 9.4 | | 53.1 | 46.2 | | 9.4 | | 33.8 | 16.9 | |
| 8.4 | | 23.2 | 5.4 | B | 9.5 | | 28.5 | 57.3 | | 9.3 | 2 | 23.2 | 0.9 | | 9.4 | 19 | 35.9 | 25.1 | | 9.5 | | 39.3 | 4.0 | |
| 8.5 | | 47.7 | 1.1 | K | 7.0 | | 40.8 | 19.6 | K | 8.8 | 3 | 18.0 | 1.9 | K | 9.5 | | 43.2 | 4.6 | | 8.9 | 35 | 54.1 | 2.4 | Kb |
| 8.3 | 31 | 9.8 | 20.0 | | 8.2 | 46 | 10.7 | 1.9 | B | 8.7 | | 20.2 | 51.4 | Kb | 9.5 | | 48.7 | 20.1 | | 9.3 | 36 | 9.1 | 58.6 | |
| 9.4 | | 18.9 | 56.4 | | 9.5 | | 24.2 | 19.6 | | 9.5 | | 22.9 | 26.7 | | 9.5 | | 52.6 | 11.7 | | 9.0 | 37 | 12.2 | 58.3 | B |
| 9.5 | | 33.5 | 27.9 | | 9.5 | | 27.3 | 57.5 | | 9.2 | | 25.9 | 19.1 | B | 9.4 | 20 | 3.3 | 39.9 | | 9.4 | | 23.2 | 1.3 | |
| 8.0 | 32 | 10.8 | 45.1 | K | 9.5 | | 49.0 | 5.2 | | 9.4 | | 45.5 | 38.7 | | 8.7 | | 20.5 | 33.1 | K | 9.2 | | 52.2 | 34.5 | B |
| 9.4 | | 46.7 | 14.9 | B | 9.3 | | 54.3 | 40.9 | | 9.5 | | 48.4 | 58.3 | | 9.4 | | 23.5 | 40.0 | | 7.4 | | 53.5 | 37.1 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 27.09 | 2.61 | | 10pr. | | 27.39 | 2.74 | | 10pr. | | 27.70 | 2.86 | | 10pr. | | 28.10 | 2.98 | | 10pr. | | 28.49 | 3.09 | |

| m | 4601—4651 22ᵃ | +23° | | m | 4652—4702 22ᵃ—23ᵃ | +23° | | m | 4703—4753 23ᵃ | +23° | | m | 4754—4804 23ᵃ | +23° | | m | 4805—4854 23ᵃ | +23° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ′ | | | | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | |
| 8.6 | 38 31.5 | 32.7 | K | 9.5 | 52 22.6 | 55.3 | | 9.4 | 7 11.4 | 51.4 | | 9.5 | 23 31.4 | 51.8 | | 9.3 | 38 25.1 | 11.2 | |
| 9.5 | 43.8 | 25.3 | B | 9.5 | 22.6 | 43.4 | | 6.5 | 29.1 | 19.1 | K | 9.3 | 51.1 | 14.7 | | 9.0 | 29.7 | 5.1 | |
| 8.7 | 39 11.8 | 29.2 | K | 9.4 | 35.5 | 56.8 | B | 9.3 | 37.7 | 37.4 | | 8.7 | 24 12.8 | 46.5 | | 8.9 | 39 4.0 | 37.1 | |
| 8.7 | 12.6 | 24.8 | K | 8.9 | 44.8 | 10.3 | B | 9.5 | 53.6 | 6.2 | | 7.7 | 28.6 | 19.1 | K | 9.4 | 41.2 | 10.4 | |
| 8.9 | 40 1.1 | 49.3 | | 9.5 | 53 9.5 | 22.1 | | 9.4 | 54.1 | 16.0 | | 9.5 | 36.5 | 58.1 | | 9.4 | 53.2 | 44.0 | |
| 8.0 | 15.2 | 14.1 | K | 9.2 | 18.1 | 53.0 | | 8.7 | 54.5 | 35.4 | K | 6.8 | 25 15.4 | 2.9 | K | 8.3 | 55.0 | 7.8 | K |
| 9.5 | 23.4 | 57.3 | | 9.5 | 48.7 | 29.1 | | 9.5 | 8 10.3 | 35.7 | | 8.7 | 19.0 | 50.6 | | 9.5 | 40 32.3 | 44.5 | |
| 9.3 | 54.7 | 34.2 | | 8.8 | 54.2 | 38.1 | | 7.5 | 13.7 | 5.1 | K | 9.2 | 33.2 | 35.5 | | 9.5 | 42 2.1 | 38.0 | |
| 9.5 | 57.2 | 55.5 | | 8.6 | 54 0.9 | 13.7 | K | 8.0 | 32.3 | 38.6 | K | 9.3 | 48.0 | 5.4 | | 7.9 | 3.1 | 3.8 | Kb |
| 8.5 | 41 7.2 | 14.5 | R | 8.8 | 12.9 | 49.5 | B | 7.0 | 50.0 | 59.5 | K | 9.3 | 59.7 | 36.9 | K | 9.5 | 41.1 | 38.5 | B |
| 9.3 | 42 6.1 | 58.1 | | 9.5 | 42.7 | 49.9 | | 9.1 | 9 10.5 | 56.0 | | 7.1 | 26 13.8 | 33.3 | K | 9.2 | 43 56.6 | 19.5 | K |
| 7.7 | 18.1 | 7.9 | K | 9.4 | 55 30.0 | 28.3 | B | 9.5 | 36.1 | 12.2 | | 9.3 | 22.7 | 40.9 | | 9.3 | 44 18.6 | 30.2 | |
| 8.5 | 38.2 | 35.0 | K | 9.5 | 37.4 | 29.8 | | 9.2 | 10 7.8 | 8.0 | b | 9.2 | 47.6 | 31.3 | | 9.3 | 18.7 | 45.0 | |
| 9.5 | 49.7 | 33.1 | | 9.3 | 44.4 | 33.3 | | 9.5 | 22.2 | 52.4 | | 6.5 | 27 46.0 | 37.5 | K | 9.5 | 45 58.4 | 4.8 | |
| 3.9 | 43 2.0 | 51.0 | K | 9.0 | 52.5 | 36.4 | B | 9.0 | 26.2 | 43.7 | | 9.2 | 28 31.3 | 13.5 | | 9.5 | 46 8.3 | 47.9 | B |
| 8.5 | 22.4 | 45.3 | K | 9.5 | 56 29.6 | 15.4 | | 9.4 | 49.4 | 41.4 | | 6.7 | 41.4 | 45.5 | K | 8.8 | 17.4 | 40.1 | K |
| 9.3 | 32.3 | 37.9 | B | 9.3 | 57 0.0 | 8.0 | | 9.4 | 11 13.4 | 2.5 | | 8.4 | 29 13.3 | 19.1 | K | 8.8 | 21.8 | 52.4 | R |
| 8.7 | 40.2 | 52.2 | K | 9.2 | 14.4 | 52.0 | | 8.1 | 21.0 | 29.7 | K | 9.5 | 55.4 | 44.6 | | 9.4 | 22.3 | 15.6 | B |
| 9.3 | 44.1 | 15.9 | | 9.2 | 28.2 | 37.9 | | 9.5 | 12 11.1 | 40.3 | B | 9.3 | 30 9.4 | 34.9 | | 9.5 | 44.5 | 54.7 | |
| 8.3 | 45.5 | 2.2 | R | 9.2 | 40.1 | 6.7 | K | 9.4 | 11.9 | 8.5 | | 9.2 | 30.5 | 7.6 | | 9.2 | 48 7.0 | 30.4 | B |
| 9.2 | 47.0 | 28.3 | | 9.5 | 51.3 | 2.2 | | 7.6 | 31.8 | 2.1 | Kb | 9.3 | 37.8 | 16.0 | | 9.4 | 25.4 | 12.0 | |
| 9.3 | 44 17.9 | 52.3 | | 6.7 | 58 0.0 | 45.7 | K | 9.5 | 40.6 | 20.8 | | 9.2 | 47.1 | 52.8 | K | 8.5 | 39.3 | 40.9 | K |
| 9.5 | 25.7 | 34.4 | | 9.3 | 16.1 | 15.6 | B | *9.3 | 46.3 | 56.1 | | 9.3 | 31 10.0 | 0.0 | | 9.5 | 44.7 | 8.1 | |
| 8.5 | 27.9 | 13.1 | K | 6.9 | 25.7 | 52.6 | K | 9.4 | 49.2 | 8.9 | | 9.3 | 15.2 | 25.8 | | 9.3 | 54.1 | 22.0 | |
| 9.3 | 45 5.5 | 5.7 | | 9.3 | 23.6 | 31.7 | | 9.4 | 54.9 | 41.4 | | 8.8 | 21.6 | 40.4 | | 8.5 | 49 56.4 | 34.7 | K |
| 9.0 | 16.0 | 2.5 | B | 9.4 | 59 9.5 | 6.7 | | 9.0 | 13 43.2 | 13.6 | K | 8.7 | 33.4 | 52.8 | | 8.0 | 50 41.1 | 33.6 | Kb |
| 9.3 | 34.1 | 17.8 | | 9.5 | 0 14.4 | 1.2 | | 9.5 | 43.2 | 5.7 | | 8.1 | 32 11.7 | 55.5 | K | 8.5 | 51 5.1 | 37.1 | K |
| 8.5 | 35.4 | 23.1 | K | 9.5 | 42.8 | 52.1 | | 9.2 | 48.4 | 27.3 | | 9.4 | 20.4 | 26.9 | | 9.4 | 20.7 | 16.8 | |
| 9.5 | 37.7 | 47.5 | | 9.4 | 1 5.3 | 55.2 | | 9.5 | 14 4.4 | 12.0 | | 9.2 | 24.7 | 30.1 | B | 8.6 | 27.1 | 22.7 | K |
| 9.4 | 37.9 | 40.5 | B | 8.8 | 2 22.4 | 24.4 | K | 9.4 | 20.6 | 50.5 | | 9.0 | 28.8 | 11.4 | | 8.6 | 55.6 | 56.5 | K |
| 9.4 | 46 12.8 | 11.4 | | 9.3 | 24.8 | 19.4 | B | 9.2 | 29.4 | 20.9 | R | 8.2 | 33 1.3 | 47.0 | K | 9.3 | 52 4.4 | 12.6 | |
| 9.5 | 42.1 | 56.2 | | 8.4 | 27.9 | 28.1 | K | 9.5 | 47.6 | 24.5 | | 7.5 | 13.9 | 53.3 | K | 9.1 | 12.5 | 26.8 | |
| 7.5 | 47 41.4 | 37.9 | K | 9.2 | 3 10.2 | 52.8 | | 8.7 | 54.9 | 29.7 | R | 9.1 | 16.4 | 6.2 | | 9.5 | 53 13.1 | 21.4 | |
| 9.3 | 54.5 | 29.3 | | 8.8 | 24.5 | 37.4 | Lb | 8.3 | 15 18.9 | 18.4 | K | 9.4 | 24.2 | 57.5 | | 9.4 | 20.1 | 43.9 | |
| 9.2 | 49 6.6 | 53.5 | K | 9.0 | 28.9 | 58.7 | | 9.4 | 43.7 | 18.0 | | 9.2 | 39.8 | 9.6 | B | 8.7 | 21.5 | 46.7 | B |
| 9.4 | 24.9 | 9.8 | | 8.3 | 49.2 | 31.9 | K | 9.3 | 53.9 | 57.6 | | 9.4 | 43.5 | 9.4 | B | 9.3 | 23.0 | 40.4 | |
| 9.1 | 38.2 | 31.5 | | 8.8 | 58.0 | 55.4 | K | 8.5 | 17 8.7 | 12.3 | K | 9.5 | 34 2.2 | 0.8 | | 9.5 | 40.2 | 54.7 | |
| 8.1 | 39.8 | 5.7 | B | 8.9 | 4 8.1 | 9.6 | | 9.2 | 14.0 | 41.8 | K | 7.3 | 17.0 | 25.3 | K | 9.3 | 54.7 | 34.0 | |
| 9.5 | 56.7 | 6.2 | | 9.2 | 26.3 | 7.7 | | 9.3 | 36.3 | 15.4 | | 8.4 | 37.1 | 59.7 | L | 9.4 | 54 9.7 | 39.0 | |
| 8.0 | 50 0.7 | 55.1 | K | 9.1 | 42.5 | 50.3 | K | 9.3 | 18 3.6 | 15.5 | | 8.3 | 49.5 | 55.5 | K | 6.6 | 18.1 | 26.8 | K |
| 9.0 | 5.8 | 50.6 | | 9.3 | 44.0 | 4.0 | | 9.2 | 15.8 | 57.2 | K | 8.1 | 50.9 | 10.8 | K | 9.2 | 25.4 | 10.6 | |
| 8.3 | 6.4 | 29.6 | K | 9.3 | 52.2 | 42.3 | | 9.3 | 54.5 | 6.0 | B | 8.6 | 56.2 | 26.8 | K | 9.1 | 27.1 | 28.7 | K |
| 9.5 | 16.8 | 8.4 | | 8.9 | 5 12.4 | 44.9 | K | 9.5 | 19 12.0 | 49.8 | | 8.5 | 56.4 | 57.9 | K | 8.5 | 59.6 | 5.5 | K |
| 9.0 | 42.9 | 1.7 | | 9.3 | 33.6 | 50.3 | | 9.5 | 19.1 | 4.2 | | 9.5 | 35 23.8 | 56.6 | | 9.2 | 55 17.1 | 44.3 | Kb |
| 8.2 | 52.6 | 19.6 | Kb | 9.1 | 41 6 | 17.7 | K | 8.6 | 46.9 | 39.3 | K | 9.3 | 57.5 | 19.5 | | 8.5 | 27.2 | 19.2 | |
| 9.5 | 51 9.8 | 43.1 | | 9.4 | 53.0 | 28.2 | | 9.5 | 20 52.4 | 59.2 | | 8.8 | 36 6.6 | 38.9 | | 9.3 | 56 51.1 | 34.0 | |
| 9.4 | 17.2 | 38.4 | B | 9.0 | 55.0 | 22.2 | R | 9.5 | 21 25.1 | 26.8 | | 9.5 | 32.1 | 11.4 | | 9.2 | 57 6.4 | 53.8 | a |
| 9.2 | 37.6 | 8.1 | | 9.3 | 6 34.2 | 16.1 | B | 8.9 | 22 9.7 | 52.5 | | 9.5 | 37 30.7 | 49.1 | | 9.1 | 20.2 | 54.1 | K |
| 8.8 | 43.1 | 4.6 | R | 9.3 | 35.9 | 21.3 | | 9.5 | 15.6 | 31.5 | | 9.3 | 40.8 | 18.4 | | 6.3 | 58 30.8 | 44.9 | K |
| 8.2 | 52 11.5 | 15.8 | L | 7.3 | 41.1 | 21.0 | K | 7.4 | 41.7 | 58.4 | R | 9.2 | 38 3.4 | 5 8 | | 9.1 | 57.6 | 4.4 | K |
| 9.5 | 22.4 | 50.0 | | 7.7 | 51.8 | 27.6 | K | 9.5 | 48.0 | 5.7 | | 9.2 | 23.5 | 24.1 | | | | | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 28.86 | 3.17 | | 10pr. | 29.21 | 3.23 | | 10pr. | 29.55 | 3.27 | | 10pr. | 30.01 | 3.31 | | 10pr. | 30.47 | 3.34 | |

| 4724ᵃ | | | |
|---|---|---|---|
| 9.5 | 12 | 43.7 | 48.6 |

# Zone +24°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | +24° | | | 0h | +24° | | | 0h | +24° | | | 0h | +24° | | | 0h—1h | +24° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.5 | 0 45.0 | 29.6 | | 9.2 | 15 23.4 | 55.0 | a | 9.4 | 27 2.9 | 36.5 | B | 9.0 | 41 55.4 | 57.6 | Kb | 9.3 | 53 50.0 | 23.0 | B |
| 8.7 | 1 3.5 | 6.5 | K | 9.0 | 29.2 | 51.5 | Kb | 9.5 | 8.1 | 35.7 | | 9.0 | 42 20.2 | 40.5 | | 9.5 | 54.0 | 5.8 | |
| 6.3 | 24.6 | 39.2 | K | 9.5 | 45.3 | 4.0 | | 7.5 | 46.6 | 18.9 | Kb | 7.4 | 54.8 | 47.4 | K | 6.5 | 54.8 | 31.2 | Kb |
| 8.0 | 46.6 | 29.0 | K | 8.8 | 52.0 | 0.7 | B | 9.5 | 28 5.1 | 56.6 | | 8.9 | 44 15.9 | 3.9 | K | 9.3 | 54 17.9 | 25.6 | |
| 8.7 | 55.4 | 6.0 | | 9.0 | 16 1.7 | 21.4 | | 9.2 | 7.1 | 51.4 | B | 9.5 | 19.2 | 32.9 | | 9.5 | 24.8 | 23.9 | |
| 8.0 | 2 38.4 | 24.5 | K | 9.5 | 17 24.5 | 58.4 | | 9.1 | 11.8 | 47.2 | K | 9.3 | 24.3 | 28.1 | | 9.5 | 41.7 | 54.9 | |
| 8.3 | 45.1 | 44.1 | K | 9.3 | 59.9 | 30.0 | Kb | 8.0 | 29 12.4 | 22.7 | K | 9.0 | 28.9 | 55.6 | | 9.0 | 57.2 | 4.6 | K |
| 9.5 | 3 1.9 | 0.9 | | 9.5 | 18 2.6 | 15.2 | | 8.3 | 30 23.1 | 22.2 | K | 7.5 | 37.5 | 59.4 | K | 9.4 | 55 26.9 | 46.0 | |
| 9.4 | 6.2 | 34.1 | | 9.5 | 19.2 | 27.9 | | 9.4 | 53.1 | 3.5 | B | 8.0 | 45 53.2 | 8.3 | K | 8.6 | 56 16.4 | 27.4 | K |
| 8.8 | 19.6 | 0.8 | B | 9.3 | 54.3 | 57.7 | | 8.3 | 31 18.8 | 33.0 | K | 8.9 | 56.4 | 36.7 | | 9.4 | 32.4 | 5.0 | |
| 9.5 | 28.4 | 46.2 | | 9.3 | 19 5.7 | 30.0 | | 9.0 | 41.8 | 56.0 | B | 9.4 | 59.3 | 55.3 | a | 9.4 | 33.6 | 26.6 | |
| 9.4 | 30.7 | 25.1 | | 6.5 | 28.6 | 14.2 | Lb | 9.3 | 49.0 | 58.2 | K | 8.9 | 46 3.4 | 19.5 | | 9.5 | 57 5.5 | 33.6 | |
| 9.5 | 4 37.3 | 58.5 | | 7.2 | 38.6 | 47.2 | K | 9.5 | 32 11.4 | 0.6 | | 7.0 | 15.2 | 41.9 | K | 8.5 | 6.8 | 10.2 | K |
| 9.0 | 43.1 | 15.5 | | 9.3 | 41.4 | 50.5 | a | 9.0 | 33 19.5 | 10.7 | | 8.8 | 26.6 | 26.2 | B | 9.5 | 58 9.5 | 59.0 | |
| 9.2 | 5 21.5 | 28.4 | B | 9.4 | 55.2 | 51.7 | B | 9.0 | 23.7 | 27.3 | B | 8.0 | 33.1 | 34.6 | K | 9.4 | 9.9 | 16.0 | |
| 9.0 | 6 20.7 | 45.2 | | 9.5 | 20 2.5 | 55.3 | | 9.4 | 33.8 | 4.4 | | 8.0 | 38.8 | 56.0 | Lb | 9.4 | 11.0 | 50.8 | |
| 8.3 | 33.4 | 51.8 | K | 9.0 | 7.4 | 20.7 | | 9.5 | 48.1 | 0.1 | | 9.0 | 40.0 | 38.8 | | 9.2 | 22.8 | 23.6 | |
| 8.5 | 57.9 | 40.7 | L | 9.1 | 14.1 | 9.7 | K | 9.1 | 34 37.2 | 28.0 | b | 9.5 | 47 2.6 | 0.7 | | 9.0 | 35.0 | 6.7 | K |
| 9.1 | 7 43.4 | 24.9 | | 9.3 | 23.2 | 33.1 | a | 8.8 | 39.7 | 7.9 | | 9.1 | 12.1 | 5.8 | | 9.5 | 39.7 | 41.7 | B |
| 8.6 | 46.6 | 35.5 | L | 9.3 | 44.9 | 54.9 | a | 9.5 | 35 4.4 | 28.7 | | 9.5 | 13.6 | 14.3 | | 8.9 | 59 16.9 | 4.1 | K |
| 9.4 | 8 0.2 | 32.3 | | 8.5 | 49.7 | 7.8 | K | 9.4 | 6.8 | 50.3 | | 9.5 | 45.9 | 10 9 | | 9.3 | 38.0 | 3.3 | |
| 9.4 | 24.4 | 26.5 | | 9.4 | 21 0.8 | 58.0 | a | 9.5 | 21.7 | 26.2 | B | 9.5 | 47.4 | 5.0 | | 8.6 | 39.4 | 11.9 | K |
| 9.5 | 9 52.5 | 14.5 | | 9.3 | 27.6 | 58.6 | a | 9.3 | 53.4 | 35.5 | | 9.3 | 48 11.3 | 14.4 | | 9.5 | 1 17.9 | 19.8 | |
| 9.4 | 57.1 | 24.2 | | 9.2 | 27.8 | 33.8 | ab | 7.9 | 59.8 | 5.8 | B | 9.3 | 17.4 | 9.2 | B | 9.4 | 2 2.3 | 55.7 | |
| 9.3 | 10 1.0 | 43.4 | a | 9.3 | 48.7 | 38.6 | | 9.1 | 36 10.7 | 57.2 | | 9.4 | 33.0 | 21.3 | | 9.5 | 10.5 | 5.5 | |
| 9.4 | 9.4 | 41.7 | | 7.5 | 56.5 | 5.5 | K | 9.5 | 43.5 | 4.4 | | 9.5 | 48.3 | 36.0 | | 6.0 | 27.9 | 41.9 | Kb |
| 9.5 | 19.9 | 3.5 | | 9.4 | 58.5 | 13.4 | B | 9.0 | 58.0 | 50.1 | K | 9.5 | 49 2.6 | 7.2 | | 8.9 | 50.3 | 56.9 | K |
| 9.3 | 24.8 | 0.5 | | 9.5 | 22 46.4 | 53.8 | | 9.0 | 37 57.7 | 29.1 | | 8.9 | 24.2 | 56.8 | Rb | 9.5 | 4 59.6 | 12.1 | B |
| 8.8 | 11 11.4 | 55.9 | K | 9.5 | 56.1 | 40.0 | | 9.0 | 38 15.4 | 30.6 | | 8.5 | 30.3 | 30.5 | K | 8.0 | 5 29.3 | 41.5 | K |
| 8.4 | 13 31.8 | 9.0 | Kb | 9.5 | 23 29.3 | 47.9 | B | 9.4 | 44.0 | 55.4 | | 9.1 | 36.2 | 3.4 | | 8.2 | 40.9 | 14.3 | K |
| 7.5 | 37.4 | 31.7 | L | 9.0 | 24 13.6 | 54.6 | | 9.5 | 56.6 | 59.4 | | 9.0 | 38.8 | 9.2 | | 9.2 | 59.2 | 11.3 | |
| 9.0 | 42.5 | 43.4 | | 9.0 | 38.6 | 49.2 | | 9.5 | 39 9.3 | 4.3 | | 9.3 | 50 19.4 | 58.1 | a | 9.4 | 6 28.0 | 4.9 | |
| 8.5 | 45.0 | 53.0 | | 9.2 | 56.2 | 57.9 | a | 9.5 | 32.5 | 8.1 | B | 8.6 | 52.4 | 38.4 | | 9.4 | 32.1 | 8.1 | |
| 9.3 | 14 15.1 | 5.3 | | 9.2 | 25 33.4 | 37.6 | | 9.5 | 45.3 | 46.0 | | 9.5 | 51 14.0 | 51.2 | | 9.5 | 9 3.5 | 0.7 | B |
| 9.3 | 21.6 | 0.9 | | 9.5 | 50.5 | 10.0 | | 8.3 | 57.7 | 44.5 | B | 8.6 | 33.9 | 18.8 | Kb | 9.5 | 10 31.5 | 52.2 | |
| 9.0 | 28.4 | 27.6 | K | 9.1 | 54.4 | 44.8 | a | 9.2 | 40 3.8 | 1.6 | | 8.5 | 55.9 | 16.4 | K | 9.3 | 11 8.0 | 14.4 | |
| 9.5 | 57.9 | 48.6 | B | 9.5 | 58.9 | 30.0 | | 9.2 | 7.9 | 17.0 | | 9.5 | 52 16.4 | 49.0 | | 9.5 | 12 14.8 | 39.6 | |
| 9.5 | 58.8 | 5.1 | | 9.5 | 26 9.5 | 25.8 | | 8.8 | 23.2 | 45.7 | | 8.9 | 37.3 | 40.1 | K | 7.8 | 13 8.3 | 24.1 | K |
| 9.3 | 15 3.2 | 48.8 | B | 9.5 | 10.6 | 33.3 | | 8.9 | 41 13.2 | 5.3 | K | 9.5 | 57.7 | 59.9 | | 9.2 | 25.5 | 55.9 | a |
| 9.5 | 19.0 | 48.6 | | 7.9 | 15.6 | 38.3 | K | 9.3 | 21.9 | 14.0 | | 9.4 | 53 13.2 | 6.9 | | 8.3 | 41.7 | 4.6 | L |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 30.93 | 3.34 | | 10pr. | 31.27 | 3.33 | | 10pr. | 31.65 | 3.30 | | 10pr. | 31.97 | 3.27 | | 10pr. | 32.29 | 3.23 | |

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ª | | +24° | | 1ª—2ª | | +24° | | 2ª | | +24° | | 2ª—3ª | | +24° | | 3ª | | +24° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.1 | 13 | 41.7 | 51.7 | Kb | 9.0 | 38 47.0 | 30.6 | | 9.5 | 4 19.0 | 19.3 | | 8.3 | 32 47.2 | 59.3 | B | 8.5 | 0 21.7 | 48.4 | K |
| 9.3 | | 43.4 | 32.0 | | 9.0 | 39 1.0 | 14.4 | | 8.8 | 5 10.1 | 42.4 | Kb | 9.1 | | 50.1 | 5.9 | b | 9.5 | 38.5 | 12.5 | |
| 9.0 | | 46.0 | 29.3 | | 9.3 | | 58.3 | 46.1 | a | 9.3 | | 16.8 | 35.6 | | 9.5 | 33 37.7 | 59.2 | | 9.2 | 56.6 | 26.7 | R |
| 8.9 | 14 | 4.9 | 19.0 | B | 7.3 | 41 | 7.4 | 0.3 | K | 9.2 | | 25.8 | 41.0 | B | 9.5 | | 58.5 | 54.4 | | 9.5 | 1 12.3 | 4.0 | |
| 8.5 | | 27.5 | 6.3 | K | 9.2 | | 42.7 | 1.7 | a | 7.5 | | 27.2 | 55.4 | L | 9.5 | 34 2.5 | 40.5 | | 9.4 | 17.2 | 57.1 | |
| 9.1 | | 42.0 | 42.7 | Bb | 9.2 | 42 | 40.9 | 57.3 | a | 9.5 | | 40.1 | 22.3 | | 9.3 | 25.7 | 1.8 | | 9.3 | 25.5 | 52.0 | B |
| 9.3 | 15 | 2.0 | 57.3 | a | 8.7 | | 42.3 | 33.7 | K | 9.4 | 7 | 2.7 | 24.3 | B | 9.5 | 29.7 | 6.8 | | 9.4 | 38.2 | 39.5 | |
| 9.5 | | 18.9 | 9.3 | | 9.5 | 44 | 5.4 | 8.6 | | 9.5 | | 21.9 | 57.5 | | 9.5 | 35 48.5 | 38.3 | | 8.7 | 39.1 | 5.7 | K |
| 9.0 | 16 | 25.9 | 12.2 | K | 8.6 | | 13.4 | 44.5 | | 6.0 | | 31.5 | 22.6 | K | 9.3 | 36 4.3 | 57.6 | | 8.7 | 40.2 | 44.7 | K |
| 9.0 | | 52.0 | 24.7 | | 9.3 | | 23.9 | 43.4 | | var | | 52.2 | 22.7 | B | 9.5 | 32.9 | 20.0 | | 8.9 | 2 34.0 | 1.7 | K |
| 8.9 | | 53.1 | 5.6 | K | 9.5 | 45 | 7.2 | 11.1 | | 9.5 | 8 | 15.7 | 29.8 | | 8.9 | 37 24.0 | 16.8 | K | 8.3 | 4 37.1 | 58.7 | K |
| 7.0 | 19 | 8.2 | 41.6 | K | 9.5 | 46 | 0.7 | 32.4 | | 9.4 | | 23.5 | 47.0 | | 9.4 | 39 22.9 | 31.6 | | 9.5 | 5 10.3 | 26.7 | Rb |
| 9.5 | | 8.7 | 0.7 | | 9.0 | | 9.2 | 4.6 | | 9.3 | 9 | 8.2 | 8.5 | | 8.9 | 23.3 | 4.5 | K | 9.5 | 6 5.2 | 17.7 | |
| 9.5 | | 10.0 | 21.5 | | 9.1 | | 22.4 | 32.3 | | 9.4 | | 34.9 | 27.2 | | 8.5 | 40 8.8 | 41.7 | K | 8.7 | 20.6 | 23.2 | R |
| 9.1 | | 23.1 | 48.8 | K | 9.5 | | 37.2 | 4.1 | | 8.2 | 11 | 18.2 | 51.8 | K | 8.2 | 21.8 | 28.3 | K | 9.2 | 22.2 | 27.0 | |
| 9.1 | | 53.2 | 10.1 | | 9.3 | 47 | 0.3 | 59.0 | a | 9.5 | 12 | 4.8 | 16.5 | b | 6.0 | 22.1 | 35.7 | Kb | 9.1 | 55.2 | 59.3 | Rb |
| 7.9 | | 56.2 | 55.9 | Kb | 9.1 | | 40.4 | 42.2 | Bb | 9.2 | | 13.9 | 49.4 | K | 9.3 | 28.4 | 47.8 | B | 8.4 | 7 9.0 | 0.2 | L |
| 9.2 | 20 | 2.5 | 58.9 | a | 9.1 | | 40.9 | 49.9 | | 9.5 | 14 | 32.2 | 37.7 | | 9.4 | 53.1 | 8.0 | B | 9.5 | 32.9 | 15.2 | |
| 9.5 | | 7.7 | 52.3 | | 9.3 | | 42.6 | 3.7 | | 8.8 | | 39.7 | 31.9 | B | 9.5 | 41 3.9 | 50.9 | | 8.9 | 40.3 | 51.2 | B |
| 9.5 | | 11.3 | 12.1 | B | 9.2 | 48 | 11.7 | 37.2 | | 8.8 | | 45.3 | 0.4 | K | 8.1 | 49.3 | 44.2 | K | 9.0 | 46.5 | 53.2 | |
| 8.8 | 21 | 20.0 | 16.2 | K | 9.3 | | 25.0 | 12.0 | | 9.5 | | 53.4 | 54.4 | a | 9.5 | 55.8 | 27.2 | | 8.7 | 8 0.8 | 56.8 | K |
| 6.5 | | 26.9 | 31.6 | K | 8.8 | | 41.8 | 28.8 | K | 9.5 | 15 | 21.7 | 57.2 | | 9.5 | 42 11.6 | 36.6 | | 9.5 | 40.9 | 56.8 | |
| 9.0 | 22 | 8.2 | 12.3 | | 8.0 | | 58.7 | 1.6 | R | 9.5 | | 53.3 | 22.1 | | 9.4 | 45.2 | 9.4 | | 9.1 | 9 9.0 | 3.5 | K |
| 9.4 | 23 | 43.7 | 37.2 | | 9.3 | 50 | 9.4 | 8.8 | | 8.0 | 16 | 43.6 | 50.1 | K | 9.5 | 47.4 | 24.9 | | 7.5 | 32.8 | 20.8 | L |
| 9.5 | | 44.1 | 50.6 | | 9.3 | | 22.0 | 47.2 | a | 9.5 | | 44.0 | 57.4 | | 8.9 | 43 46.8 | 36.6 | K | 9.5 | 10 12.0 | 45.8 | |
| 9.5 | 24 | 8.4 | 7.2 | | 9.5 | | 25.4 | 40.3 | | 8.5 | 17 | 11.4 | 11.3 | | 9.5 | 44 34.9 | 34.9 | | 9.5 | 23.3 | 57.0 | |
| 9.5 | | 57.3 | 7.9 | | 8.8 | | 27.3 | 22.8 | K | 7.3 | | 34.1 | 29.9 | K | 9.5 | 45 26.0 | 35.5 | | 9.2 | 24.5 | 58.8 | B |
| 9.5 | 25 | 8.2 | 33.3 | | 7.7 | 51 | 9.7 | 8.1 | L | 9.4 | | 37.8 | 44.6 | | 8.8 | 46 3.1 | 2.5 | | 9.5 | 11 6.6 | 14.6 | |
| 9.5 | | 22.6 | 55.9 | | 9.2 | | 32.9 | 22.4 | | 9.4 | | 38.9 | 51.2 | | 9.5 | 17.3 | 34.1 | | 9.3 | 13.7 | 8.3 | |
| 9.2 | | 52.6 | 5.7 | b | 9.0 | | 33.2 | 46.7 | B | 9.5 | 18 | 35.4 | 35.2 | | 8.7 | 54.7 | 8.4 | K | 9.5 | 33.4 | 47.9 | |
| 8.8 | | 57.7 | 28.5 | | 9.3 | | 56.8 | 1.5 | | 9.0 | 19 | 7.6 | 59.5 | Kb | 9.5 | 47 17.9 | 35.1 | B | 7.9 | 55.4 | 0.8 | B |
| 9.3 | 26 | 0.0 | 42.6 | a | 8.6 | 52 | 15.0 | 22.0 | K | 9.5 | | 27.9 | 16.1 | | 8.9 | 23.5 | 8.2 | K | 9.4 | 13 34.9 | 14.2 | R |
| 9.5 | | 11.5 | 48.9 | | 9.5 | | 15.2 | 1.5 | | 9.5 | | 40.9 | 54.4 | | 9.5 | 49 13.9 | 9.6 | | 9.1 | 37.2 | 57.0 | ab |
| 9.3 | | 52.4 | 47.2 | | 8.8 | 53 | 3.6 | 29.9 | R | 9.5 | 20 | 9.9 | 54.0 | | 9.5 | 15.4 | 50.9 | | 9.1 | 42.5 | 59.7 | a |
| 9.5 | | 52.6 | 22.7 | | 9.5 | | 42.1 | 13.7 | Rb | 9.3 | | 31.1 | 34.1 | | 9.5 | 50.5 | 53.4 | | 9.0 | 58.3 | 4.2 | K |
| 9.1 | 27 | 0.8 | 8.1 | b | 8.7 | 55 | 22.5 | 30.3 | K | 9.5 | | 37.3 | 56.5 | | 9.1 | 50 15.0 | 21.4 | b | 8.5 | 14 1.4 | 21.9 | L |
| 9.0 | 28 | 25.1 | 42.3 | | 9.5 | | 49.0 | 42.1 | | 9.5 | 21 | 40.6 | 52.6 | | 9.5 | 20.5 | 37.6 | | 9.4 | 34.5 | 9.7 | |
| 9.5 | | 26.8 | 24.0 | B | 8.0 | 56 | 23.8 | 44.1 | B | 6.2 | 22 | 12.6 | 34.9 | K | 8.8 | 46.0 | 53.1 | K | 9.3 | 15 8.9 | 54.0 | a |
| 7.3 | 29 | 28.2 | 26.5 | L | 9.5 | | 38.5 | 58.2 | | 9.2 | | 17.5 | 38.1 | B | 8.7 | 51 44.3 | 39.7 | Kb | 9.4 | 32.8 | 35.4 | |
| 9.3 | 31 | 1.9 | 1.2 | | 7.9 | 57 | 36.0 | 25.9 | Kb | 9.4 | | 18.6 | 18.4 | B | 9.3 | 47.7 | 28.9 | B | 9.0 | 45.0 | 17.8 | K |
| 8.8 | | 2.3 | 22.2 | K | 9.5 | | 48.2 | 39.0 | | 9.3 | | 20.4 | 43.0 | | 9.1 | 52 18.6 | 17.6 | K | 5.8 | 45.7 | 13.5 | K |
| 8.3 | | 28.9 | 43.0 | K | 8.0 | 58 | 3.3 | 25.1 | K | 9.4 | | 37.3 | 9.4 | | 9.4 | 57.8 | 2.8 | | 9.4 | 53.6 | 14.2 | |
| 9.5 | | 38.4 | 32.0 | | 9.5 | 59 | 34.5 | 52.0 | | 9.5 | 23 | 20.4 | 58.5 | | 8.2 | 59.0 | 34.1 | K | 9.3 | 58.3 | 27.8 | |
| 9.3 | | 53.5 | 3.2 | B | 9.5 | | 58.7 | 3.0 | | 8.9 | 24 | 9.4 | 50.4 | K | 9.3 | 53 2.8 | 37.6 | a | 9.1 | 16 25.1 | 55.7 | Kb |
| 9.5 | 32 | 59.9 | 54.7 | | 7.6 | 0 | 5.1 | 7.3 | K | 9.5 | | 42.0 | 12.3 | | 9.0 | 8.5 | 35.9 | K | 8.6 | 50.3 | 9.4 | K |
| 9.5 | 33 | 8.7 | 18.9 | | 9.5 | | 20.5 | 22.1 | | 9.1 | 25 | 27.0 | 37.6 | b | 9.4 | 17.8 | 8.8 | B | 9.5 | 17 42.4 | 26.0 | |
| 9.5 | | 32.4 | 32.3 | | 9.1 | | 33.0 | 7.5 | R | 9.3 | | 31.2 | 11.7 | | 9.5 | 41.8 | 55.8 | | 9.4 | 18 16.2 | 42.1 | B |
| 9.1 | | 38.9 | 30.2 | | 8.9 | | 41.2 | 8.5 | K | 8.5 | 26 | 14.8 | 24.1 | K | 9.1 | 47.3 | 3.4 | b | 8.7 | 20.6 | 48.5 | K |
| 9.4 | 34 | 38.5 | 8.4 | B | 9.5 | | 43.9 | 14.8 | | 8.2 | | 16.6 | 15.1 | K | 9.5 | 55 31.9 | 41.1 | | 9.4 | 23.1 | 37.3 | |
| 9.0 | | 39.0 | 34.1 | | 9.5 | | 54.7 | 33.1 | | 9.5 | 27 | 5.3 | 3.0 | B | 9.5 | 56 33.8 | 55.8 | | 8.7 | 23.9 | 17.7 | K |
| 9.5 | 35 | 0.3 | 17.1 | | 9.3 | | 55.5 | 54.1 | | 9.5 | | 40.5 | 56.5 | | 6.0 | 58.9 | 41.2 | K | 9.5 | 36.3 | 38.1 | |
| 9.3 | | 14.4 | 54.7 | a | 8.8 | | 59.0 | 38.4 | | 9.5 | | 52.1 | 53.8 | b | 9.1 | 57 29.2 | 40.6 | K | 9.4 | 42.3 | 43.4 | |
| 9.1 | 36 | 11.4 | 26.1 | b | 8.0 | 1 | 12.3 | 8.2 | K | 9.5 | 28 | 9.8 | 23.1 | | 8.8 | 35.3 | 51.8 | B | 9.4 | 58.8 | 31.2 | |
| 9.5 | 37 | 33 3 | 58.8 | | 9.2 | | 12.7 | 25.9 | | 9.5 | | 24.1 | 54.8 | | 9.5 | 40.0 | 0.2 | | 9.3 | 19 26.8 | 51.7 | B |
| 9.4 | | 38.6 | 54.8 | | 9.5 | 2 | 1.7 | 59.0 | | 7.5 | | 36.6 | 1.3 | K | 9.4 | 58 39.1 | 43.5 | B | 9.4 | 55.9 | 52.3 | |
| 8.7 | | 43.5 | 6.5 | K | 9.2 | | 4.5 | 42.9 | K | 7.0 | | 39.2 | 1.1 | K | 9.5 | 59 13.4 | 1.7 | | 9.5 | 20 3.9 | 10.4 | |
| 8.3 | | 46.0 | 19.2 | | 9.5 | | 33.5 | 32.7 | | 9.4 | 30 | 34.5 | 4.4 | B | 8.2 | 19.6 | 59.1 | K | 9.2 | 48.0 | 57.9 | a |
| 8.2 | | 58.3 | 3.2 | K | 8.8 | | 34.7 | 21.7 | | 9.5 | 31 | 4.4 | 17.5 | | 8.8 | 35.6 | 0.7 | K | 9.5 | 21 26.8 | 16.8 | |
| 9.3 | 38 | 24.6 | 22.3 | | 9.0 | 3 | 57.1 | 44.9 | K | 9.5 | | 13.0 | 46.9 | | 9.1 | 57.2 | 41.2 | | 9.2 | 34.3 | 4.1 | |
| 9.2 | | 29.3 | 1.0 | | 9.5 | 4 | 11.7 | 7.2 | | 9.4 | | 24.0 | 40.9 | Bb | 9.3 | 0 7.2 | 57.5 | B | 9.3 | 22 5.6 | 30.1 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + |
| 10pr. | | 32.95 | 3.11 | | 10pr. | | 33.57 | 2.95 | | 10pr. | | 34.19 | 2.75 | | 10pr. | | 34.78 | 2.49 | | 10pr. | | 35.24 | 2.24 |

| 501–560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵘ | | +24° | | | 3ᵘ | | +24° | | | 3ᵘ—4ᵘ | | +24° | | | 4ᵘ | | +24° | | | 4ᵘ—5ᵘ | | +24° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.2 | 22 | 7.2 | 1.1 | R | 9.5 | 37 | 58.1 | 30.2 | | 9.4 | 57 | 23.5 | 57.1 | | 9.1 | 33 | 51.7 | 25.2 | | 9.5 | 56 | 15.2 | 32.5 | |
| 9.0 | | 33.7 | 43.5 | K | 7.5 | 38 | 21.5 | 4.2 | h | 9.3 | | 38.2 | 29.1 | | 9.5 | 34 | 38.0 | 53.5 | ? | 9.4 | | 32.7 | 33.9 | |
| 7.8 | | 38.1 | 45.9 | K | 8.4 | | 24.2 | 21.9 | | 9.3 | 58 | 2.9 | 20.5 | | 8.8 | 36 | 31.5 | 7.7 | K | 9.4 | | 42.3 | 39.7 | |
| 9.5 | 23 | 33.0 | 39.6 | | 9.5 | | 25.3 | 11.1 | | 9.4 | | 19.4 | 13.9 | | 9.5 | | 32.0 | 14.2 | | 9.4 | | 44.0 | 14.8 | |
| 9.3 | 25 | 23.8 | 51.5 | | 9.2 | | 31.0 | 51.2 | | 9.3 | 59 | 30.0 | 14.6 | | 9.5 | | 52.4 | 5.7 | | 9.2 | 57 | 7.9 | 3.4 | K |
| 8.8 | | 35.6 | 6 3 | | 8.0 | | 45.5 | 8.0 | h | 9.5 | 0 | 38.7 | 53.6 | | 9.2 | 38 | 38.9 | 5.8 | *b* | 9.1 | | 17.5 | 53.5 | *b* |
| 9.5 | 26 | 5.8 | 29.3 | | 8.6 | | 47.3 | 12.5 | h | 9.2 | 1 | 20.5 | 6.2 | | 9.5 | | 40.2 | 27.6 | | 9.5 | | 21.4 | 59.5 | |
| 9.2 | | 44.9 | 47.5 | | 8.4 | 39 | 5.6 | 56.1 | | 9.3 | | 23.6 | 48.1 | B | 9.5 | 39 | 20.7 | 55.8 | | 9.0 | | 51.5 | 25.2 | K |
| 9.5 | | 50.2 | 26 6 | | 9.4 | | 11.9 | 40.9 | | 8.7 | | 50.0 | 59.2 | K | 8.0 | | 43.7 | 29.7 | K | 9.4 | | 54.5 | 30.2 | B |
| 9.5 | | 53.8 | 48.9 | | 9.5 | | 22.3 | 53.1 | | 9.3 | 2 | 5.2 | 11.8 | B | 9.4 | | 56.6 | 35.6 | | 8.8 | 58 | 3.6 | 11.4 | K |
| 9.5 | 27 | 35.4 | 33.3 | | 7.0 | | 27.1 | 32.2 | B | 8.8 | 3 | 7.1 | 29.1 | L | 9.3 | 40 | 3.8 | 11.4 | *Kb* | 9.1 | | 19.7 | 41.9 | |
| 8.8 | | 39.9 | 54.2 | | 9.1 | | 42.0 | 52.9 | ? | 8.8 | | 9.5 | 2.2 | L | 9.2 | | 21.4 | 33.1 | K | 9.5 | | 23.7 | 33.2 | |
| 9.4 | | 48.8 | 41.4 | | 9.4 | 40 | 32.4 | 11.2 | | 8.5 | | 17.6 | 11.5 | K | 9.5 | | 59.2 | 35.3 | | 9.0 | | 48.8 | 37.0 | K |
| 9.3 | | 56.7 | 43.7 | B | 9.2 | | 54.6 | 10.9 | B | 9.5 | | 47.6 | 58.2 | | 9.5 | 42 | 10.0 | 3.4 | B | 9.5 | 59 | 13.6 | 36.0 | |
| 9.5 | 28 | 18.7 | 10.0 | | 9.3 | 41 | 1.0 | 56.3 | | 9.0 | 4 | 58.4 | 22.6 | B | 8.6 | | 25.8 | 1.9 | K | 5.8 | | 16.9 | 4.8 | K |
| 9.5 | | 34.1 | 34.7 | | 9.4 | | 32.5 | 55.8 | *a* | 9 5 | 5 | 6.6 | 41.0 | | 9.5 | | 50.0 | 43.6 | | 9.5 | | 37.6 | 39.6 | |
| 9.4 | | 41.0 | 24.7 | | 9.0 | | 36.3 | 12.7 | | 9.5 | | 12.1 | 55.4 | | 9.5 | 43 | 6.6 | 11.4 | | 9.5 | | 33.4 | 42.4 | B |
| 9.3 | | 43.1 | 21.7 | B | 7.7 | | 49.7 | 3.1 | *B* | 9.4 | | 44.7 | 49.8 | | 9.5 | | 29.2 | 42.9 | | 9.3 | | 40.7 | 53.0 | |
| 9.2 | | 43.9 | 18.2 | B | 9.3 | | 53.9 | 21.0 | | 9.3 | | 58.1 | 42.5 | | 9.3 | | 33.9 | 52.6 | B | 9.1 | | 52.5 | 51.4 | |
| 8.4 | | 44.7 | 7.2 | K | 9.2 | 42 | 21.8 | 56.4 | R | 9.5 | 9 | 4.2 | 22.0 | | 9.1 | 44 | 21.6 | 44.9 | | 9.3 | 0 | 4.2 | 41.6 | B |
| 9.1 | 29 | 14.5 | 47.8 | | 9.2 | | 31.5 | 8.9 | | 8 9 | | 12.6 | 12.6 | R | 9.5 | | 26.5 | 6.8 | | 9.5 | | 7.0 | 6.7 | |
| 9.1 | | 35.3 | 35.4 | | 9.1 | | 42.8 | 33.3 | | 8.7 | | 23.7 | 33.4 | K | 8.7 | | 27.7 | 38.7 | K | 9.3 | | 10.3 | 52.8 | |
| 8.3 | | 59.9 | 7.3 | K | 7.7 | | 44.8 | 43.7 | K | 8.2 | | 39.0 | 37.9 | K | 9.5 | 45 | 5.3 | 55.5 | | 9.5 | | 11.3 | 8.9 | |
| 9.0 | 30 | 1.3 | 58.5 | | 8.9 | | 47.7 | 5.4 | | 9.5 | 10 | 23.6 | 14.0 | | 9.4 | | 8.7 | 35.0 | | 9.5 | | 19 9 | 43.3 | |
| 9.2 | | 10.0 | 38.3 | | 9.1 | 43 | 6.9 | 39.4 | | 9.3 | 11 | 51.5 | 8.6 | | 9.5 | 46 | 32.0 | 13.7 | | 9.1 | | 23.0 | 16.1 | *b* |
| 8.7 | | 29.3 | 40.7 | B | 8.5 | | 16.5 | 53.6 | K | 9.5 | 12 | 0.1 | 22.6 | | 9.3 | | 57.7 | 36.7 | | 9.5 | | 27.3 | 49.8 | |
| 7.7 | | 31.7 | 13.6 | K | 7.5 | | 31.4 | 45.0 | K | 9.5 | 14 | 4.2 | 50.6 | | 9.4 | 47 | 23.0 | 1.0 | | 9.5 | | 43.7 | 9.1 | |
| 8.9 | 31 | 12.4 | 44.0 | K | 9.5 | | 45.8 | 33.9 | | 9.5 | | 14.9 | 14.6 | | 9.2 | | 25.7 | 36.6 | K | 9.5 | | 49.6 | 7.6 | |
| 6.7 | 32 | 8.6 | 51.0 | *Kb* | 9.2 | 44 | 12.0 | 15.3 | *Rb* | 9.5 | | 15.5 | 25.0 | | 6.5 | | 26.5 | 22.1 | K | 9.4 | 1 | 13.7 | 55.7 | *a* |
| 8.9 | | 18.3 | 59.5 | B | 9.0 | | 17.7 | 57.3 | R | 9.5 | | 17.3 | 47.8 | | 9.5 | 48 | 13.1 | 55.5 | | 9.0 | | 35.0 | 37.0 | |
| 9.5 | | 28.4 | 14.2 | ? | 9.4 | | 48.2 | 9.7 | R | 9.5 | | 25.9 | 27.1 | | 8.7 | | 16.9 | 31.5 | K | 9.5 | | 45.2 | 33.4 | |
| 8.8 | | 35.4 | 25.0 | | 9.5 | | 54.5 | 45.7 | R | 9.5 | | 28.5 | 56.1 | | 8.9 | | 17.4 | 44.3 | | 8.3 | | 51.3 | 57.0 | K |
| 8.2 | | 40.8 | 32.5 | K | 9.3 | 45 | 33.6 | 9.1 | *Rb* | 9.5 | | 43.6 | 58.8 | | 9.3 | | 21.1 | 5.9 | | 8.8 | | 56.4 | 40.7 | |
| 8.7 | 33 | 1.9 | 54.0 | B | 9.5 | 46 | 17.1 | 9.4 | | 7.3 | | 45.7 | 3.8 | K | 9.2 | | 37.8 | 9.6 | | 8 8 | 2 | 2.1 | 13.1 | |
| 9.5 | 34 | 0.3 | 4.8 | | 8.7 | | 26.0 | 39.5 | K | 9.2 | 15 | 54.6 | 49.5 | K | 9.5 | | 58.3 | 38.7 | | 9.4 | | 28.5 | 14.6 | |
| 9.1 | | 17.6 | 1.8 | R | 9.5 | | 36.0 | 11.8 | | 9.4 | 16 | 1.7 | 1.8 | | 9.5 | 49 | 3.7 | 57.4 | | 9.0 | | 28.7 | 12.9 | |
| 7.3 | 35 | 3.7 | 36.5 | K | 9.5 | 47 | 31.5 | 58.8 | | 9.5 | 18 | 26.7 | 2.4 | | 6.0 | | 17.9 | 49.5 | *Kb* | 9.5 | | 33.0 | 6.8 | |
| 9.3 | | 6.6 | 57.0 | B | 8.0 | 48 | 28.5 | 52.3 | *Kb* | 8 8 | | 46.1 | 44.2 | K | 9.5 | | 55.8 | 47.0 | | 9.5 | | 37.7 | 49.3 | |
| 9.0 | | 12.4 | 48.8 | | 6.8 | | 46.4 | 4.0 | K | 9.0 | 19 | 3.8 | 6.6 | B | 8.0 | 50 | 2.2 | 16.1 | K | 8.9 | | 50.6 | 35.0 | K |
| 8.0 | | 21.6 | 5.8 | L | 9.4 | 49 | 46.1 | 16.3 | B | 9.5 | 21 | 11.9 | 56.7 | | 9.5 | | 54.6 | 6.3 | | 9.5 | | 58.4 | 34.5 | |
| 9.5 | | 26.4 | 5.1 | | 8.8 | 50 | 29.0 | 19.5 | R | 9.5 | | 34.6 | 53.3 | | 9.5 | 51 | 8.0 | 12.9 | | 9.5 | 3 | 8.1 | 42.9 | |
| 9.5 | | 34.8 | 17.7 | | 8.3 | | 30.1 | 47.9 | K | 8.2 | 22 | 29 0 | 42.5 | K | 8.2 | | 23.7 | 55.6 | *Kb* | 8.0 | | 22.9 | 6.3 | K |
| 8.9 | | 40.5 | 24.4 | | 9.0 | | 32.5 | 38.2 | | 7.3 | 23 | 34.2 | 52.4 | K | 9.5 | | 52.4 | 47.2 | | 9.5 | | 53.2 | 38.4 | |
| 9.5 | | 47.5 | 7.8 | | 9.0 | | 52.8 | 27.4 | | 9.3 | | 50.9 | 48.5 | B | 9.4 | | 53.9 | 46.4 | B | 9.3 | | 54.0 | 58.3 | *a* |
| 9.4 | 36 | 1.3 | 21.5 | | 8.5 | 51 | 11.9 | 16.4 | K | 8.8 | 25 | 4.6 | 11.9 | K | 9.5 | 52 | 25.1 | 35.3 | | 9.5 | 4 | 4.7 | 47.0 | |
| 6.3 | | 31.8 | 22.8 | h | 9.3 | 52 | 57.5 | 20.1 | | 9.1 | | 29.5 | 39.4 | *b* | 8.4 | | 45.5 | 27.0 | K | 9.5 | | 5.6 | 39.4 | |
| 5.0 | | 35.4 | 0.8 | h | 9.0 | 53 | 24.7 | 5.3 | | 9.5 | | 49.2 | 40.8 | | 9.5 | | 47.2 | 7.4 | | 7.8 | | 12.5 | 13.9 | K |
| 8.9 | | 41.0 | 28.0 | | 9.5 | | 50.5 | 52.0 | | 9.3 | 26 | 27.0 | 38.7 | | 9.5 | 53 | 9 4 | 8.5 | | 9.0 | | 45.1 | 57.2 | |
| 9.2 | | 44.1 | 25 3 | | 9.5 | 54 | 3.3 | 32.3 | | 9.5 | 27 | 8.0 | 46.4 | | 9.5 | | 29.0 | 38.7 | | 9.4 | | 50.7 | 22.5 | |
| 8.8 | | 55.8 | 0.7 | h | 9.5 | | 12.9 | 14.9 | | 9.5 | | 46.1 | 58.0 | | 8.5 | | 33.0 | 16.3 | | 9.5 | | 52.3 | 29.1 | |
| 9.2 | 37 | 1.0 | 27.0 | | 9.5 | | 20.7 | 1.0 | | 9.5 | 28 | 32.1 | 55.9 | | 9.5 | | 36.8 | 23.8 | | 8.8 | 5 | 0.9 | 42.6 | K |
| 9.1 | | 1.7 | 10.2 | B | 9.5 | | 24.5 | 16.7 | | 8 9 | 29 | 21.9 | 15.3 | K | 9.5 | | 49.3 | 25.6 | | 9.3 | | 3.8 | 25.9 | |
| 7.0 | | 16.1 | 5.5 | h | 8.4 | | 36.8 | 56.2 | K | 9.0 | 30 | 6.9 | 28.0 | K | 8.3 | | 56.1 | 5.6 | K | 9.3 | | 19.2 | 57.0 | |
| 8.2 | | 16.8 | 56.3 | L | 8.5 | | 55.0 | 32.3 | K | 6.3 | | 34.0 | 56.3 | K | 9.3 | | 56.2 | 27.8 | | 9.5 | | 40.7 | 44.4 | |
| 9.3 | | 18.7 | 35.4 | | 9.5 | 55 | 20.3 | 29.3 | | 9.1 | 31 | 30.7 | 46.7 | *b* | 9.2 | 54 | 6.0 | 31.6 | | 9.5 | | 49.0 | 30.6 | |
| 7.0 | | 25.1 | 4.0 | h | 9.0 | | 52.5 | 55.5 | | 9.4 | | 45.2 | 9.2 | B | 9.5 | | 8.1 | 33.0 | | 9.5 | 6 | 4.7 | 20.8 | |
| 9.5 | | 25.5 | 33.6 | | 9.0 | 56 | 49.1 | 52 4 | | 9.5 | 32 | 56.1 | 52.9 | ? | 9.0 | | 10.4 | 38.6 | | 9.0 | | 22.1 | 48.6 | |
| 9.4 | | 25.5 | 31.6 | | 9.5 | | 59.9 | 4.5 | | 9.2 | | 58.7 | 21.9 | *Kb* | 8.8 | | 30.0 | 15.8 | | 8.8 | | 27.7 | 21.5 | |
| 9.5 | | 34.5 | 47.2 | | 9.5 | 57 | 5.8 | 43.7 | | 9.2 | 33 | 8.2 | 32.3 | | 8.0 | | 58.0 | 47.5 | K | 9.5 | | 31.7 | 35.9 | |
| 9.4 | | 53.6 | 24.7 | | 9.0 | | 22.3 | 20.0 | *Bb* | 9.5 | | 42.3 | 34.9 | | 9.5 | 55 | 34.6 | 3.4 | | 9.3 | | 31.9 | 14 2 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *35.59* | *2.00* | | *10pr.* | | *35.78* | *1.87* | | *10pr.* | | *36.17* | *1.48* | | *10pr.* | | *36.52* | *1.03* | | *10pr.* | | *36.62* | *0.84* | |

| m | 5h | +24° | | |
|---|---|---|---|---|
| | 801—860 | | | |
| 9.1 | 6′ 38.2 | 0.7 | | |
| 9.5 | 47.7 | 21.5 | | |
| 8.8 | 58.9 | 40.1 | | |
| 9.5 | 7 48.5 | 48.0 | | |
| 9.5 | 58.7 | 54.5 | | |
| 9.5 | 8 1.4 | 22.8 | | |
| 8.8 | 4.3 | 56.6 | | |
| 9.4 | 25.6 | 34.6 | B | |
| 9.5 | 26.0 | 44.8 | | |
| 9.1 | 9 3.6 | 54.2 | Bb | |
| 9.4 | 24.7 | 59.0 | | |
| 9.1 | 26.4 | 29.0 | | |
| 9.5 | 35.8 | 3.6 | | |
| 9.5 | 42.2 | 54.4 | | |
| 9.5 | 10 9.1 | 36.3 | B | |
| 8.6 | 35.4 | 29.1 | K | |
| 9.0 | 11 9.0 | 15.6 | | |
| 8.4 | 15.2 | 52.9 | K | |
| 8.9 | 16.6 | 20.8 | | |
| 9.5 | 12 18.5 | 4.2 | B | |
| 9.5 | 59.7 | 19.5 | | |
| 9.5 | 13 14.7 | 24.4 | | |
| 9.5 | 52.5 | 0.8 | | |
| 9.1 | 53.9 | 56.3 | K | |
| 9.5 | 14 51.8 | 19.4 | | |
| 8.2 | 15 8.2 | 49.2 | K | |
| 9.5 | 16 27.4 | 9.2 | | |
| 9.5 | 30.0 | 13.2 | | |
| 9.5 | 58.0 | 9.7 | | |
| 9.5 | 17 22.2 | 57.3 | | |
| 8.2 | 48.8 | 52.8 | K | |
| 9.3 | 53.5 | 47.9 | | |
| 8.6 | 18 18.6 | 4.8 | | |
| 9.5 | 22.7 | 25.7 | | |
| 8.7 | 39.8 | 36.2 | B | |
| 8.8 | 50.4 | 12.3 | | |
| 9.5 | 53.8 | 37.0 | | |
| 9.5 | 19 6.7 | 11.3 | | |
| 9.3 | 42.5 | 30.6 | | |
| 9.0 | 20 15.8 | 5.7 | | |
| 9.5 | 21 7.8 | 10.3 | | |
| 9.5 | 39.8 | 53.3 | | |
| 9.0 | 41.7 | 41.7 | | |
| 9.4 | 53.3 | 12.9 | B | |
| 9.5 | 22 55.7 | 10.9 | | |
| 8.9 | 23 5.2 | 52.7 | B | |
| 8.8 | 16.2 | 52.5 | B | |
| 9.5 | 26.7 | 41.8 | | |
| 9.5 | 24 0.5 | 5.7 | | |
| 8.4 | 12.8 | 15.6 | Kb | |
| 9.4 | 20.3 | 0.3 | | |
| 9.4 | 22.4 | 37.5 | | |
| 9.5 | 27.7 | 59.3 | | |
| 7.0 | 37.1 | 31.1 | L | |
| 9.5 | 40.7 | 33.4 | | |
| 9.5 | 52.7 | 33.1 | | |
| 9.5 | 55.6 | 55.3 | | |
| 9.5 | 25 5.7 | 8.4 | | |
| 9.5 | 15.7 | 18.3 | | |
| 9.2 | 28.7 | 48.9 | | |
| | + | + | | |
| 10pr. | 36.71 | 0.61 | | |

| m | 5h | +24° | | |
|---|---|---|---|---|
| | 861—920 | | | |
| 9.4 | 25′ 28.8 | 4.3 | | |
| 9.1 | 30.7 | 45.2 | a | |
| 9.4 | 30.9 | 51.9 | | |
| 9.4 | 33.2 | 15.6 | | |
| 9.5 | 42.9 | 39.4 | | |
| 9.0 | 26 9.8 | 23.3 | | |
| 9.4 | 11.5 | 30.8 | | |
| 7.8 | 12.0 | 11.3 | K | |
| 8.6 | 28.3 | 55.4 | | |
| 8.8 | 39.7 | 25.6 | Kb | |
| 8.9 | 54.5 | 49.3 | | |
| 9.5 | 59.0 | 57.9 | | |
| 8.3 | 27 4.3 | 38.8 | K | |
| 9.4 | 10.7 | 25.7 | a | |
| 8.8 | 14.6 | 23.0 | K | |
| 9.2 | 15.4 | 26.5 | a | |
| 9.4 | 22.8 | 20.7 | B | |
| 9.5 | 26.9 | 0.5 | | |
| 9.5 | 28.2 | 41.4 | | |
| 9.4 | 28.7 | 52.9 | | |
| 9.0 | 34.8 | 3.9 | R | |
| 8.2 | 35.2 | 16.0 | K | |
| 9.5 | 38.6 | 16.0 | | |
| 9.5 | 53.5 | 39.7 | | |
| 9.5 | 58.4 | 10.4 | | |
| 9.5 | 59.5 | 41.9 | | |
| 9.5 | 28 5.2 | 18.5 | | |
| 9.3 | 5.6 | 28.1 | | |
| 9.0 | 16.9 | 8.3 | | |
| 9.3 | 20.7 | 52.8 | | |
| 9.5 | 20.7 | 39.3 | | |
| 9.4 | 34.9 | 59.2 | | |
| 9.3 | 36.4 | 22.5 | | |
| 8.8 | 29 2.5 | 7.8 | | |
| 8.8 | 14.8 | 13.2 | | |
| 9.5 | 30.6 | 7.5 | | |
| 9.1 | 33.3 | 54.1 | B | |
| 9.5 | 36.7 | 54.6 | a | |
| 9.5 | 41.7 | 25.6 | | |
| 9.5 | 54.7 | 11.1 | | |
| 9.5 | 55.2 | 12.2 | B | |
| 9.4 | 30 3.9 | 55.3 | | |
| 9.4 | 9.6 | 54.1 | | |
| 9.4 | 10.7 | 17.5 | | |
| 9.5 | 18.7 | 7.6 | | |
| 9.5 | 39.0 | 8.4 | | |
| 9.4 | 55.6 | 31.6 | | |
| 9.4 | 58.8 | 27.2 | R | |
| 7.0 | 31 0.2 | 8.4 | K | |
| 9.5 | 15.7 | 28.2 | a | |
| 8.9 | 21.2 | 53.2 | | |
| 9.4 | 22.7 | 25.5 | R | |
| 7.2 | 24.8 | 27.4 | K | |
| 9.5 | 36.3 | 20.2 | | |
| 9.5 | 42.9 | 35.5 | | |
| 9.5 | 43.4 | 42.2 | | |
| 9.4 | 32 13.0 | 47.6 | | |
| 8.2 | 13.4 | 15.7 | K | |
| 8.9 | 48.9 | 13.2 | K | |
| 7.8 | 33 3.9 | 14.2 | K | |
| | + | + | | |
| 10pr. | 36.75 | 0.46 | | |

| m | 5h | +24° | | |
|---|---|---|---|---|
| | 921—980 | | | |
| 9.5 | 33′ 9.0 | 18.9 | | |
| 9.5 | 19.0 | 25.6 | | |
| 9.5 | 21.2 | 10.0 | | |
| 9.5 | 27.1 | 16.5 | | |
| 9.5 | 50.0 | 59.0 | | |
| 9.5 | 58.1 | 9.8 | | |
| 9.5 | 34 20.6 | 44.1 | | |
| 9.3 | 21.4 | 36.7 | | |
| 9.3 | 22.9 | 28.4 | | |
| 9.5 | 29.8 | 9.7 | | |
| 7.9 | 34.3 | 0.8 | K | |
| 9.3 | 38.8 | 56.4 | | |
| 9.1 | 39.7 | 50.6 | ab | |
| 8.6 | 47.4 | 59.8 | | |
| 9.3 | 35 5.9 | 36.8 | | |
| 8.9 | 13.0 | 35.1 | | |
| 9.2 | 21.3 | 4.9 | | |
| 9.5 | 21.7 | 17.5 | | |
| 9.4 | 25.8 | 0.8 | | |
| 7.9 | 43.1 | 50.6 | K | |
| 9.2 | 36 12.4 | 26.7 | | |
| 8.0 | 17.0 | 37.0 | K | |
| 8.5 | 21.0 | 21.2 | | |
| 9.5 | 23.8 | 26.0 | | |
| 9.4 | 34.3 | 0.8 | | |
| 9.4 | 35.2 | 25.4 | | |
| 8.9 | 35.5 | 43.2 | | |
| 9.1 | 48.0 | 37.8 | | |
| 9.4 | 37 2.9 | 27.5 | | |
| 8.0 | 5.1 | 9.7 | L | |
| 9.3 | 21.4 | 10.7 | | |
| 9.4 | 40.5 | 27.0 | | |
| 9.2 | 44.6 | 31.7 | | |
| 9.3 | 47.3 | 22.5 | | |
| 9.5 | 38 13.1 | 30.4 | | |
| 8.8 | 20.4 | 35.5 | R | |
| 9.4 | 29.3 | 52.0 | | |
| 9.4 | 39.4 | 59.6 | | |
| 9.5 | 46.6 | 54.4 | | |
| 9.5 | 51.7 | 25.8 | | |
| 9.0 | 55.5 | 1.1 | K | |
| 9.4 | 57.7 | 54.6 | | |
| 7.0 | 39 1.2 | 37.8 | L | |
| 9.0 | 2.3 | 25.2 | R | |
| 8.0 | 3.6 | 35.8 | L | |
| 9.4 | 36.8 | 44.2 | | |
| 8.7 | 39.8 | 14.8 | | |
| 8.5 | 40.7 | 29.4 | L | |
| 9.1 | 41.2 | 32.1 | | |
| 5.3 | 40 7.3 | 30.9 | L | |
| 9.5 | 20.1 | 15.8 | | |
| 9.2 | 24.8 | 9.3 | | |
| 8.0 | 27.7 | 10.6 | K | |
| 9.2 | 33.5 | 46.9 | | |
| 9.5 | 42.4 | 23.9 | | |
| 9.5 | 58.7 | 52.8 | | |
| 9.4 | 59.5 | 3.9 | | |
| 9.5 | 41 18.0 | 37.5 | | |
| 9.2 | 32.3 | 21.1 | | |
| 8.8 | 43.2 | 5.3 | | |
| | + | + | | |
| 10pr. | 36.78 | 0.33 | | |

| m | 5h | +24° | | |
|---|---|---|---|---|
| | 981—1040 | | | |
| 9.5 | 41′ 47.4 | 46.1 | | |
| 9.5 | 54.8 | 35.2 | | |
| 9.5 | 42 4.5 | 24.6 | | |
| 9.0 | 5.7 | 53.5 | | |
| 9.5 | 17.7 | 25.6 | | |
| 9.3 | 20.4 | 41.1 | | |
| 9.5 | 33.7 | 35.5 | | |
| 9.5 | 42.9 | 21.8 | | |
| 8.7 | 45.2 | 39.7 | K | |
| 9.3 | 54.5 | 28.6 | | |
| 9.4 | 43 0.0 | 55.3 | | |
| 9.4 | 15.6 | 36.8 | | |
| 9.5 | 18.9 | 21.1 | B | |
| 9.5 | 23.8 | 6.2 | | |
| 8.6 | 37.7 | 5.3 | R | |
| 8.8 | 42.7 | 10.8 | | |
| 9.5 | 57.4 | 49.3 | | |
| 9.5 | 58.5 | 55.3 | | |
| 9.5 | 44 2.3 | 3.4 | | |
| 9.5 | 7.2 | 32.0 | | |
| 9.4 | 8.9 | 39.9 | | |
| 9.4 | 9.5 | 33.0 | | |
| 9.5 | 12.7 | 56.3 | | |
| 9.5 | 19.2 | 31.2 | | |
| 9.4 | 23.0 | 13.3 | | |
| 9.2 | 25.0 | 2.6 | | |
| 7.8 | 40.7 | 15.0 | K | |
| 9.4 | 50.8 | 0.2 | | |
| 9.5 | 45 7.2 | 14.4 | | |
| 8.7 | 12.2 | 3.3 | K | |
| 9.0 | 25.8 | 17.6 | B | |
| 9.5 | 45.3 | 37.2 | | |
| 9.3 | 52.2 | 59.4 | | |
| 9.5 | 57.9 | 50.9 | B | |
| 9.1 | 46 9.9 | 50.9 | Bb | |
| 9.5 | 34.5 | 0.2 | | |
| 9.5 | 41.4 | 40.5 | | |
| 9.5 | 52.8 | 57.0 | | |
| 9.1 | 53.0 | 44.9 | | |
| 9.5 | 56.6 | 3.3 | | |
| 9.5 | 57.5 | 13.4 | | |
| 9.2 | 47 0.4 | 59.7 | B | |
| 9.2 | 10.8 | 0.7 | | |
| 9.5 | 19.7 | 27.0 | R | |
| 9.4 | 20.5 | 28.6 | R | |
| 9.5 | 36.5 | 37.4 | | |
| 9.5 | 38.3 | 19.1 | | |
| 9.5 | 46.0 | 38.0 | | |
| 9.2 | 47.4 | 23.2 | R | |
| 9.5 | 48.6 | 31.7 | | |
| 9.5 | 59.6 | 52.3 | | |
| 9.4 | 48 0.2 | 57.7 | | |
| 6.0 | 3.1 | 13.2 | K | |
| 9.2 | 9.6 | 35.4 | R | |
| 9.2 | 10.4 | 52.6 | | |
| 9.2 | 23.5 | 58.6 | B | |
| 9.5 | 32.3 | 26.9 | R | |
| 9.3 | 32.4 | 10.1 | | |
| 7.5 | 42.7 | 35.3 | K | |
| 8.5 | 43.9 | 44.2 | K | |
| | + | + | | |
| 10pr. | 36.80 | 0.22 | | |

| m | 5h | +24° | | |
|---|---|---|---|---|
| | 1041—1100 | | | |
| 9.4 | 48′ 48.6 | 55.6 | | |
| 9.1 | 50.0 | 17.0 | | |
| 7.6 | 49 5.8 | 35.5 | K | |
| 9.5 | 34.6 | 30.4 | R | |
| 7.5 | 43.4 | 47.0 | R | |
| 9.5 | 50 1.5 | 3.6 | | |
| 9.4 | 13.7 | 51.4 | | |
| 9.4 | 17.4 | 12.7 | | |
| 9.5 | 47.6 | 14.6 | R | |
| 9.5 | 55.5 | 10.0 | | |
| 9.3 | 51 12 8 | 30.2 | | |
| 8.5 | 18.9 | 56.6 | R | |
| 9.5 | 20.6 | 39.2 | | |
| 9.0 | 25.7 | 14.1 | R | |
| 8.5 | 39.7 | 45.6 | K | |
| 9.5 | 47.1 | 27.6 | B | |
| 9.3 | 50.7 | 4.8 | | |
| 9.5 | 51.8 | 14.4 | | |
| 9.3 | 52 9.0 | 45.9 | | |
| 9.4 | 12.2 | 3.4 | | |
| 9.5 | 23.9 | 38.8 | | |
| 9.0 | 23.9 | 24.1 | R | |
| 9.5 | 32.1 | 28.5 | | |
| 9.2 | 51.7 | 41.4 | | |
| 9.3 | 52.2 | 58.7 | Rb | |
| 9.2 | 52.5 | 17.0 | B | |
| 9.0 | 54.0 | 33.0 | R | |
| 9.5 | 53 9.5 | 50.3 | | |
| 9.4 | 10.0 | 46.5 | B | |
| 9.2 | 11.5 | 32.8 | R | |
| 8.7 | 30.8 | 45.9 | R | |
| 9.4 | 53.7 | 54.4 | R | |
| 9.5 | 54 7.1 | 51.6 | | |
| 9.0 | 17.7 | 17.1 | | |
| 8.9 | 19.0 | 12.4 | | |
| 9.0 | 25.2 | 59.6 | K | |
| 9.5 | 25.8 | 47.5 | Rb | |
| 9.3 | 42.5 | 49.5 | R | |
| 8.8 | 55 5.7 | 43.6 | R | |
| 8.9 | 11.2 | 58.7 | R | |
| 9.4 | 43.0 | 0.4 | B | |
| 9.5 | 43.5 | 21.3 | | |
| 9.5 | 58.1 | 3.5 | | |
| 9.5 | 58.8 | 1.8 | | |
| 9.4 | 56 2.9 | 31.8 | | |
| 8.7 | 15.7 | 20.4 | K | |
| 9.5 | 49.4 | 9.0 | | |
| 9.5 | 52.3 | 19.7 | | |
| 9.5 | 57 6.7 | 58.6 | | |
| 9.5 | 41.7 | 27.5 | | |
| 9.4 | 46.5 | 17.6 | | |
| 8.6 | 48.1 | 45.5 | K | |
| 9.2 | 48.8 | 59.2 | | |
| 9.1 | 50.5 | 7.8 | | |
| 8.7 | 59.6 | 19.5 | | |
| 8.8 | 58 1.5 | 33.0 | | |
| 9.5 | 9.4 | 30.6 | | |
| 9.4 | 20.5 | 13.6 | | |
| 9.5 | 36.7 | 58.0 | | |
| 9.5 | 37.7 | 53.0 | B | |
| | + | + | | |
| 10pr. | 36.81 | 0.10 | | |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵐ—6ᵐ | | +24° | | | 6ᵐ | | +24° | | | 6ᵐ | | +24° | | | 6ᵐ | | +24° | | | 6ᵐ | | +24° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 58 | 38.6 | 4.9 | | 8.8 | 3 | 56.7 | 27.0 | | 9.4 | 12 | 58.7 | 16.0 | B | 9.0 | 20 | 46.6 | 33.9 | | 9.5 | 30 | 22.3 | 12.0 | B |
| 9.4 | | 41.9 | 28.9 | | 9.5 | 4 | 8.7 | 4.5 | | 9.5 | 13 | 1.7 | 19.7 | | 9.2 | | 48.2 | 26.0 | | 9.4 | | 23.9 | 30.5 | |
| 9.3 | | 44.0 | 10.0 | | 9.3 | | 45.4 | 10.7 | | 9.3 | | 3.0 | 6.6 | | 9.2 | | 55.7 | 57.7 | B | 6.8 | | 38.6 | 43.3 | K |
| 9.5 | | 52.7 | 10.7 | | 9.3 | | 46.6 | 32.9 | | 9.4 | | 13.4 | 24.8 | | 9.5 | | 56.0 | 53.5 | | 9.4 | | 53.5 | 0.9 | |
| 9.3 | | 54.2 | 12.4 | | 8.8 | | 47.2 | 42.3 | Kb | 9.5 | | 16.6 | 53.2 | | 9.1 | 21 | 6.4 | 35.1 | | 8.9 | 31 | 4.4 | 9.2 | |
| 9.3 | | 59.4 | 14.4 | | ~~9.6~~ | 5 | ~~15.0~~ | ~~00~~ | | 9.2 | | 21.7 | 18.6 | | 9.5 | | 7.4 | 46.8 | | 9.5 | | 12.4 | 51.0 | |
| 9.5 | 59 | 8.7 | 37.3 | | 9.5 | | 15.7 | 20.1 | | 9.5 | | 23.3 | 3.0 | | 9.5 | | 9.7 | 26.0 | | 9.3 | | 34.2 | 28.1 | B |
| 9.4 | | 10.4 | 10.6 | | 8.0 | | 17.4 | 1.5 | K | 9.3 | | 39.7 | 6.7 | | 9.3 | | 17.1 | 2.5 | | 9.5 | | 48.7 | 40.7 | |
| 8.9 | | 12.8 | 54.9 | | 9.3 | | 32.8 | 40.3 | B | 9.5 | | 40.5 | 52.9 | | 9.5 | | 19.5 | 6.7 | | 9.0 | | 53.4 | 49.5 | |
| 9.4 | | 15.6 | 58.6 | | 9.5 | | 38.7 | 26.1 | | 9.3 | | 47.7 | 6.2 | | 9.2 | | 29.8 | 55.6 | | 9.5 | | 54.4 | 4.1 | |
| 9.3 | | 16.1 | 56.3 | | 9.4 | | 41.6 | 45.5 | | 9.5 | | 58.9 | 7.3 | | 9.5 | | 43.4 | 53.0 | | 9.5 | 32 | 4.2 | 16.9 | |
| 9.4 | | 22.0 | 36.0 | B | 9.5 | | 48.4 | 8.6 | | 9.3 | 14 | 4.0 | 46.3 | B | 9.3 | | 47.0 | 40.3 | | 9.4 | | 15.4 | 23.0 | |
| 9.5 | | 33.3 | 21.1 | | 9.5 | 6 | 3.7 | 39.5 | | 9.5 | | 9.7 | 39.7 | | 9.5 | | 50.2 | 12.9 | | 8.8 | | 18.5 | 47.7 | K |
| 9.3 | | 33.8 | 20.6 | B | 8.5 | | 10.7 | 35.8 | | 9.5 | | 11.6 | 53.6 | | 8.7 | | 57.7 | 28.5 | | 8.5 | | 21.2 | 13.2 | |
| 9.5 | | 37.9 | 22.0 | | 9.2 | | 19.7 | 3.7 | | 9.4 | | 12.8 | 50.3 | | 9.5 | 22 | 25.9 | 10.2 | | 9.5 | | 21.3 | 4.4 | |
| 9.5 | | 39.6 | 27.9 | | 9.0 | | 58.5 | 6.4 | K | 9.5 | | 13.6 | 47.5 | | 9.4 | | 33.7 | 20.3 | | 9.5 | | 21.8 | 2.6 | B |
| 9.5 | | 46.4 | 25.2 | | 9.5 | | 58.8 | 55.0 | | 8.5 | | 16.7 | 35.7 | | 9.5 | | 38.6 | 24.9 | | 8.0 | | 22.8 | 5.8 | B |
| 9.4 | | 51.2 | 12.5 | | 9.0 | 7 | 1.7 | 10.4 | | 9.5 | | 18.1 | 14.8 | | 9.5 | 23 | 17.5 | 26.0 | | 9.3 | | 41.6 | 44.0 | |
| 9.3 | | 54.2 | 6.7 | B | 9.5 | | 5.6 | 25.7 | | 9.0 | | 24.2 | 11.6 | K | 9.5 | | 19.4 | 1.3 | | 9.3 | | 44.9 | 31.7 | |
| 9.5 | | 55.5 | 26.3 | | 9.0 | | 13.8 | 15.1 | | 9.0 | | 32.6 | 21.6 | | 9.1 | 24 | 8.8 | 23.5 | b | 9.3 | 33 | 3.4 | 3.9 | B |
| 9.1 | | 56.4 | 30.8 | | 9.5 | | 23.7 | 50.1 | | 9.1 | | 36.8 | 6.4 | B | 9.3 | | 14.9 | 31.0 | | 9.4 | | 5.0 | 3.8 | B |
| 9.4 | | 57.4 | 6.1 | | 6.5 | | 28.0 | 0.4 | K | 9.2 | | 36.9 | 3.9 | | 9.5 | | 23.5 | 47.3 | | 9.5 | | 15.4 | 49.5 | |
| 8.5 | 0 | 3.5 | 22.4 | K | 9.5 | | 36.1 | 12.1 | | 9.5 | | 40.5 | 50.5 | | 8.8 | | 26.8 | 8.6 | B | 9.5 | | 20.8 | 56.1 | |
| 9.3 | | 7.7 | 16.8 | | 9.3 | | 39.7 | 6.4 | | 9.5 | | 47.6 | 20.1 | | 9.5 | | 36.1 | 48.8 | | 9.5 | | 21.7 | 26.5 | |
| 9.4 | | 21.2 | 25.9 | | 9.5 | | 53.7 | 7.4 | | 9.4 | 15 | 3.7 | 5.5 | | 9.2 | | 55.4 | 9.9 | | 9.0 | | 32.4 | 52.7 | |
| 8.2 | | 22.7 | 26.7 | K | 9.5 | 8 | 2.0 | 17.5 | | 9.5 | | 11.3 | 58.9 | | 9.3 | | 57.7 | 16.1 | | 9.4 | | 43.3 | 15.4 | |
| 9.3 | | 24.3 | 38.3 | | 9.2 | | 19.6 | 41.2 | b | 9.5 | | 13.6 | 35.9 | | 9.5 | 25 | 12.0 | 49.4 | | 9.3 | | 49.4 | 50.2 | |
| 8.5 | | 27.4 | 35.3 | | 9.0 | | 40.8 | 35.3 | K | 9.5 | | 22.7 | 23.8 | | 9.2 | | 14.7 | 24.7 | | 9.5 | 34 | 2.7 | 58.1 | |
| 9.3 | | 31.6 | 19.4 | | 9.5 | | 42.8 | 55.7 | | 9.5 | | 34.7 | 5.6 | | 9.2 | | 15.2 | 8.9 | | 8.8 | | 9.3 | 16.1 | |
| 9.4 | | 33.5 | 23.0 | K | 9.5 | | 53.2 | 21.8 | | 9.2 | | 37.3 | 0.1 | B | 9.3 | | 17.7 | 20.7 | B | 9.5 | | 12.6 | 5.7 | |
| 9.3 | | 34.9 | 15.5 | | 9.3 | 9 | 27.5 | 35.9 | | 8.8 | | 38.6 | 50.0 | L | 9.4 | | 17.9 | 16.9 | | 9.5 | | 39.2 | 13.4 | |
| 9.3 | | 37.0 | 44.7 | | 9.5 | | 33.2 | 50.7 | | 9.5 | | 41.7 | 10.8 | | 9.2 | | 20.8 | 36.5 | | 9.4 | | 41.3 | 5.6 | B |
| 9.3 | | 50.1 | 9.8 | | 9.5 | | 38.7 | 59.8 | | 9.4 | | 42.5 | 1.3 | | 9.2 | | 55.5 | 15.5 | | 9.3 | | 56.3 | 53.9 | |
| 9.5 | | 54.7 | 57.0 | | 9.5 | | 40.6 | 30.9 | | 9.4 | | 53.6 | 46.9 | | 9.3 | | 57.0 | 10.5 | | 9.5 | 35 | 7.5 | 27.0 | |
| 8.4 | | 55.9 | 13.5 | B | 9.5 | | 43.9 | 29.2 | | 8.0 | 16 | 8.7 | 22.4 | K | 9.1 | 26 | 1.4 | 24.0 | | 8.5 | | 14.7 | 41.5 | |
| 9.4 | | 56.0 | 22.0 | B | 9.5 | | 45.0 | 56.5 | | 9.3 | | 10.0 | 13.5 | | 9.2 | | 5.9 | 23.8 | | 9.5 | | 18.8 | 34.4 | |
| 9.3 | 1 | 1.5 | 43.5 | | 9.5 | | 53.7 | 24.0 | | 9.5 | | 15.3 | 59.5 | | 8.6 | | 9.4 | 44.5 | L | 8.7 | | 21.9 | 1.8 | K |
| 9.0 | | 2.4 | 38.2 | B | 9.5 | 10 | 18.1 | 45.8 | | 9.3 | | 29.8 | 44.7 | | 8.9 | | 15.5 | 5.7 | K | 9.0 | | 25.9 | 28.7 | |
| 9.4 | | 4.8 | 55.5 | | 9.5 | | 20.6 | 4.5 | | 9.5 | | 39.1 | 14.4 | | 9.5 | | 28.0 | 11.1 | | 9.2 | | 30.2 | 41.8 | B |
| 9.3 | | 17.7 | 53.2 | | 9.4 | | 24.9 | 57.2 | | 9.5 | | 46.7 | 5.1 | | 9.5 | | 52.2 | 17.5 | | 9.5 | | 30.3 | 56.4 | |
| 9.5 | | 21.6 | 25.8 | | 9.5 | | 37.0 | 42.6 | | 9.3 | 17 | 2.7 | 27.8 | B | 9.0 | 27 | 42.9 | 32.1 | K | 8.9 | | 43.0 | 14.0 | B |
| 9.5 | | 29.1 | 7.0 | | 9.2 | | 56.7 | 10.5 | b | 9.4 | | 4.4 | 55.5 | | 8.8 | | 47.2 | 17.8 | | 9.5 | | 55.5 | 58.6 | |
| 9.1 | | 34.2 | 33.5 | b | 9.5 | 11 | 3.8 | 53.0 | | 8.9 | | 22.9 | 47.5 | B | 9.5 | | 54.3 | 55.4 | | 9.5 | 36 | 5.4 | 10.7 | |
| 9.5 | | 44.2 | 57.9 | | 9.5 | | 12.2 | 17.5 | | 9.1 | | 55.7 | 50.0 | B | 9.5 | | 58.0 | 16.5 | | 8.9 | | 11.9 | 1.7 | |
| 9.5 | | 46.8 | 22.3 | | 9.2 | | 12.2 | 43.9 | | 9.2 | 18 | 1.8 | 18.3 | B | 9.5 | 28 | 7.9 | 30.0 | | 9.5 | | 12.0 | 29.2 | B |
| 9.5 | | 52.7 | 30.3 | | 8.0 | | 12.2 | 36.7 | B | 9.4 | | 6.7 | 25.6 | | 8.8 | | 14.9 | 31.0 | K | 7.8 | | 30.5 | 48.2 | L |
| 9.5 | 2 | 7.4 | 38.3 | | 9.2 | | 35.4 | 32.6 | | 9.3 | | 9.7 | 6.8 | | 9.5 | | 24.5 | 8.0 | | 9.3 | | 30.8 | 54.7 | |
| 8.3 | | 9.7 | 54.5 | S | 9.5 | | 39.8 | 20.0 | | 8.8 | | 27.8 | 35.6 | | 6.7 | | 34.6 | 42.1 | Kb | 9.0 | | 38.6 | 42.1 | |
| 9.3 | | 11.4 | 12.6 | | 9.5 | | 39.9 | 26.2 | | 9.5 | | 32.5 | 17.4 | | 9.4 | | 47.1 | 0.1 | | 9.5 | | 41.9 | 1.9 | |
| 9.5 | | 24.7 | 33.0 | | 9.5 | | 45.5 | 56.8 | | 8.8 | | 36.0 | 36.3 | | 9.5 | | 53.7 | 58.9 | | 8.2 | | 45.3 | 16.1 | |
| 6.7 | | 38.9 | 26.7 | Kb | 9.5 | | 49.7 | 23.7 | | 9.2 | | 51.6 | 24.5 | | 8.7 | 29 | 7.9 | 57.5 | K | 9.5 | 37 | 4.4 | 14.5 | |
| 9.5 | | 55.1 | 1.3 | | 8.5 | 12 | 7.9 | 2.8 | K | 9.5 | 19 | 0.7 | 57.1 | | 7.0 | | 26.8 | 34.4 | Kb | 9.5 | | 21.5 | 45.4 | |
| 8.6 | | 58.7 | 44.6 | | 9.5 | | 15.7 | 42.7 | | 9.2 | | 6.8 | 20.3 | Kb | 9.4 | | 33.0 | 53.4 | | 8.9 | | 39.3 | 14.2 | |
| 9.3 | 3 | 5.7 | 53.7 | | 9.5 | | 21.7 | 38.0 | | 9.0 | | 10.8 | 32.1 | | 9.3 | | 34.0 | 28.2 | | 8.5 | | 57.2 | 18.1 | |
| 9.5 | | 10.8 | 53.8 | | 9.5 | | 21.7 | 25.7 | | 9.5 | | 14.5 | 40.7 | | 9.4 | | 46.6 | 56.4 | | 9.5 | 38 | 1.9 | 55.2 | |
| 8.9 | | 15.5 | 43.8 | | 9.5 | | 22.9 | 56.5 | | 8.3 | | 23.6 | 45.6 | | 9.5 | | 54.0 | 50.1 | | 9.5 | | 2.4 | 50.7 | |
| 9.5 | | 27.4 | 58.1 | | 9.1 | | 25.7 | 27.9 | | 9.5 | | 26.3 | 54.7 | | 9.2 | 30 | 5.4 | 51.1 | B | 8.5 | | 8.2 | 20.3 | |
| 9.5 | | 30.7 | 29.7 | | 8.7 | | 31.7 | 33.3 | K | 9.5 | | 42.5 | 3.9 | | 8.8 | | 5.7 | 40.1 | K | 9.5 | | 13.7 | 31.0 | |
| 8.8 | | 35.2 | 57.2 | K | 9.4 | | 52.6 | 26.6 | | 9.3 | 20 | 1.7 | 6.7 | | 9.2 | | 8.4 | 59.0 | | 9.0 | | 16.0 | 25.0 | |
| 9.4 | | 46.8 | 15.6 | | 9.4 | | 52.8 | 40.2 | | 9.5 | | 20.4 | 38.8 | | 9.5 | | 16.2 | 3.8 | | 9.3 | | 17.5 | 54.4 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.81 | 0.01 | | 10pr. | | 36.81 | 0.14 | | 10pr. | | 36.80 | 0.23 | | 10pr. | | 36.77 | 0.37 | | 10pr. | | 36.74 | 0.50 | |

| 1401—1460 | | | | 1461—1520 | | | | 1521—1580 | | | | 1581—1640 | | | | 1641—1700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵐ | | +24° | | 6ᵐ | | +24° | | 6ᵐ—7ᵐ | | +24° | | 7ᵐ | | +24° | | 7ᵐ | | +24° | |
| m | | ″ | ′ | | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | |
| 8.9 | 38 | 21.6 | 59.1 | | 9.0 | 47 | 27.7 | 37.1 | | 9.2 | 56 | 34.3 | 56.8 | α | 8.8 | 6 | 16.4 | 28.9 | | 9.5 | 14 | 57.3 | 44.0 | |
| 9.5 | | 42.6 | 41.5 | | 9.5 | | 30.4 | 51.9 | | 9.5 | | 43.0 | 26.3 | | 9.3 | | 19.0 | 55.0 | α | 9.5 | 15 | 29.5 | 33.3 | |
| 9.4 | | 50.4 | 11.4 | | 9.0 | | 33.1 | 20.8 | K | 8.9 | | 49.9 | 31.5 | | 7.7 | | 43.0 | 6.3 | L | 9.5 | | 45.3 | 15.8 | |
| 8.6 | 39 | 8.2 | 18.3 | K | 9.3 | | 41.1 | 23.8 | | 9.5 | 57 | 2.3 | 54.0 | | 9.5 | | 59.9 | 14.5 | | 9.5 | 16 | 8.8 | 32.1 | |
| 9.5 | | 21.5 | 12.8 | | 9.2 | | 41.5 | 7.5 | | 9.5 | | 8.5 | 4.6 | | 8.8 | 7 | 10.4 | 35.5 | | 9.1 | | 27.1 | 48.4 | |
| 8.0 | | 37.9 | 31.1 | K | 9.3 | | 55.7 | 40.6 | | 9.2 | | 32.1 | 21.1 | | 8.5 | | 15.5 | 55.0 | | 9.5 | | 37.0 | 3.0 | |
| 9.1 | | 49.4 | 8.9 | | 8.7 | | 56.5 | 28.5 | K | 9.5 | | 35.5 | 4.6 | | 9.4 | | 17.5 | 51.0 | | 9.4 | | 37.3 | 8.7 | |
| 8.7 | | 57.1 | 21.6 | K | 9.4 | 48 | 2.3 | 55.7 | | 9.4 | 58 | 3.4 | 7.5 | | 9.0 | | 19.3 | 43.5 | | 9.0 | | 43.0 | 58.4 | |
| 9.3 | | 57.1 | 45.0 | | 9.2 | | 4.6 | 4.6 | Bb | 9.3 | | 3.8 | 10.7 | | 9.4 | | 35.6 | 16.4 | | 9.5 | | 48.4 | 24.0 | B |
| 9.5 | 40 | 19.8 | 33.3 | | 7.0 | | 8.4 | 49.8 | K | 9.0 | | 26.0 | 7.2 | B | 8.3 | | 49.6 | 7.7 | K | 9.5 | | 50.7 | 9.0 | B |
| 9.5 | | 23.6 | 3.5 | | 9.5 | | 15.6 | 9.1 | | 7.1 | | 27.2 | 23.2 | B | 9.1 | | 55.3 | 43.0 | K | 9.4 | 17 | 5.9 | 3.0 | |
| 9.3 | | 26.8 | 35.6 | | 9.5 | | 20.9 | 5.9 | | 9.1 | | 36.3 | 53.1 | Kb | 7.5 | | 58.3 | 46.8 | K | 9.4 | | 18.2 | 15.7 | |
| 9.5 | | 49.1 | 23.0 | | 9.2 | | 24.9 | 7.4 | | 9.0 | | 38.3 | 47.6 | K | 9.5 | | 58.9 | 57.5 | | 9.5 | | 28.8 | 43.0 | |
| 9.1 | | 53.3 | 53.6 | Bb | 9.5 | | 36.2 | 34.0 | | 8.8 | | 59.0 | 39.2 | K | 9.5 | 8 | 16.5 | 45.0 | | 9.5 | | 36.9 | 0.1 | |
| 9.4 | 41 | 4.6 | 3.5 | | 9.4 | | 50.0 | 26.0 | | 9.5 | 59 | 6.3 | 4.0 | | 9.0 | | 29.6 | 25.8 | K | 9.4 | | 39.2 | 8.6 | |
| 9.5 | | 16.7 | 5.6 | B | 9.3 | | 54.0 | 26.5 | | 9.4 | | 11.3 | 7.8 | B | 9.4 | | 35.0 | 18.4 | B | 9.2 | | 48.3 | 36.4 | |
| 8.3 | | 25.2 | 19.3 | K | 9.0 | | 57.6 | 59.3 | Kb | 9.5 | | 30.1 | 42.6 | | 9.4 | | 44.9 | 54.3 | | 9.5 | | 58.6 | 55.5 | |
| 9.5 | | 39.8 | 36.3 | | 9.3 | 49 | 18.4 | 57.9 | | 9.4 | | 36.1 | 24.4 | B | 8.5 | | 55.0 | 14.1 | K | 8.9 | | 59.2 | 40.2 | |
| 9.3 | | 40.6 | 1.3 | | 9.5 | | 22.6 | 2.1 | | 9.4 | | 37.0 | 32.0 | B | 8.3 | | 57.0 | 47.5 | | 8.3 | 18 | 11.4 | 13.7 | K |
| 9.5 | 42 | 18.7 | 22.6 | | 9.5 | | 27.0 | 26.7 | | 9.5 | 0 | 33.3 | 35.4 | | 8.5 | 9 | 16.0 | 19.3 | K | 9.1 | | 30.0 | 4.9 | |
| 9.4 | | 26.5 | 19.6 | B | 8.7 | | 31.3 | 54.5 | K | 9.5 | | 40.2 | 21.7 | | 8.9 | | 19.5 | 27.4 | | 9.5 | | 48.3 | 45.7 | |
| 9.5 | | 29.5 | 15.6 | | 9.5 | | 35.5 | 46.2 | | 9.5 | | 56.6 | 5.6 | | 9.3 | | 21.3 | 36.8 | | 9.5 | 19 | 0.6 | 6.0 | |
| 9.4 | | 32.4 | 50.6 | | 9.4 | 50 | 1.4 | 59.4 | | 9.4 | 1 | 4.6 | 25.8 | | 9.2 | | 31.8 | 38.3 | | 8.5 | | 13.4 | 16.3 | B |
| 9.5 | | 38.8 | 32.8 | | 9.4 | | 14.6 | 1.3 | | 9.5 | | 16.5 | 1.9 | | 9.4 | | 41.8 | 50.4 | B | 9.0 | | 41.5 | 9.5 | |
| 9.5 | | 40.4 | 10.1 | | 9.4 | | 29.3 | 15.1 | | 9.5 | | 39.0 | 33.3 | | 9.5 | | 46.4 | 56.8 | | 7.6 | | 51.1 | 57.0 | Lb |
| 9.3 | | 48.8 | 57.4 | | 9.4 | | 49.0 | 27.2 | | 7.8 | | 41.4 | 19.6 | K | 8.9 | | 47.5 | 40.3 | B | 9.2 | | 52.7 | 56.3 | B |
| 8.8 | | 51.0 | 47.9 | | 9.4 | 51 | 15.6 | 42.8 | | 9.3 | 2 | 16.1 | 3.3 | | 9.5 | | 47.8 | 41.0 | | 9.0 | | 56.5 | 34.3 | |
| 9.5 | 43 | 25.4 | 0.9 | | 9.5 | | 18.4 | 5.8 | | 9.5 | | 24.0 | 35.6 | | 8.9 | | 54.1 | 2.3 | | 9.5 | 20 | 12.6 | 30.0 | |
| 9.5 | | 40.4 | 8.4 | | 9.5 | | 40.0 | 27.7 | | 8.3 | | 24.5 | 54.0 | Kb | 9.4 | | 56.1 | 1.3 | | 9.5 | | 18.3 | 18.5 | |
| 9.5 | 44 | 6.9 | 30.9 | B | 9.3 | | 41.4 | 52.4 | | 9.4 | | 42.0 | 25.2 | B | 9.5 | 10 | 1.2 | 29.5 | | 8.3 | | 21.2 | 7.0 | B |
| 9.5 | | 8.6 | 3.5 | | 8.3 | 52 | 0.6 | 40.6 | | 9.5 | | 46.3 | 5.0 | | 8.3 | | 3.4 | 21.5 | K | 9.4 | | 21.6 | 21.9 | B |
| 9.5 | | 8.6 | 38.0 | | 9.5 | | 10.3 | 14.9 | | 9.5 | | 51.0 | 54.5 | α | 9.5 | | 8.4 | 38.5 | | 9.5 | | 23.9 | 35.0 | |
| 9.1 | | 15.6 | 1.5 | | 9.5 | | 21.2 | 19. | | 9.5 | | 52.7 | 36.9 | B | 9.5 | | 9.2 | 12.2 | B | 8.6 | | 35.0 | 43.0 | B |
| 9.4 | | 20.3 | 19.4 | | 9.5 | | 28.1 | 6.2 | | 8.8 | 3 | 24.0 | 52.9 | | 9.3 | | 24.0 | 40.1 | B | 9.4 | | 51.4 | 48.9 | |
| 9.5 | | 50.6 | 3.2 | | 9.0 | | 39.0 | 26.3 | K | 9.5 | | 37.0 | 13.0 | | 9.5 | | 26.3 | 50.4 | | 9.3 | 21 | 17.0 | 5.6 | |
| 9.4 | | 55.5 | 59.4 | α | 9.2 | | 39.4 | 51.9 | | 9.0 | | 37.3 | 25.8 | K | 9.4 | | 33.7 | 14.7 | | 9.3 | | 53.0 | 24.0 | |
| 9.0 | | 58.2 | 56.0 | | 9.5 | | 55.8 | 36.1 | | 9.5 | | 38.3 | 3.4 | | 9.4 | | 42.8 | 9.7 | | 9.3 | 22 | 2.4 | 38.7 | |
| 9.5 | 45 | 0.2 | 55.8 | | 8.0 | 53 | 7.8 | 32.9 | K | 6.0 | | 38.3 | 22.1 | K | 9.4 | 11 | 1.7 | 10.7 | | 9.5 | | 6.3 | 57.9 | |
| 9.5 | | 2.5 | 58.3 | | 9.1 | | 13.7 | 40.6 | B | 9.1 | | 45.0 | 51.0 | B | 9.3 | | 18.6 | 46.7 | | 9.1 | | 19.9 | 27.8 | |
| 9.0 | | 2.5 | 34.6 | | 9.5 | | 14.3 | 12.4 | | 9.4 | | 51.0 | 7.5 | | 9.5 | | 28.2 | 56.4 | | 9.1 | | 21.0 | 25.0 | α |
| 8.9 | | 4.6 | 3.2 | K | 9.5 | | 29.8 | 34.9 | | 9.4 | | 54.8 | 16.5 | B | 9.5 | | 44.6 | 52.3 | | 8.8 | | 34.5 | 11.6 | K |
| 8.7 | | 4.9 | 6.1 | K | 5.8 | | 34.0 | 25.0 | Kb | 9.0 | 4 | 3.3 | 57.1 | | 9.5 | | 53.3 | 36.2 | | 9.5 | | 44.4 | 58.0 | |
| 9.3 | | 12.4 | 50.1 | | 9.1 | | 55.6 | 42.3 | | 9.3 | | 3.6 | 51.4 | α | 9.5 | | 56.5 | 3.6 | | 8.0 | | 54.7 | 18.8 | K |
| 9.2 | | 15.5 | 56.5 | | 9.4 | 54 | 1.5 | 48.2 | | 8.8 | | 3.7 | 20.7 | K | 9.0 | | 59.8 | 19.1 | | 9.5 | | 55.0 | 2.7 | |
| 9.5 | | 17.6 | 55.1 | | 9.1 | | 2.3 | 59.1 | | 9.1 | | 4.0 | 52.5 | | 8.8 | 12 | 0.2 | 3.7 | | 9.0 | | 58.6 | 52.0 | L |
| 9.5 | | 19.7 | 18.1 | | 9.5 | | 3.5 | 17.6 | | 9.0 | | 5.6 | 25.6 | K | 9.5 | | 6.8 | 20.9 | | 8.2 | 23 | 6.7 | 48.8 | L |
| 9.5 | | 25.1 | 46.6 | | 8.8 | | 5.1 | 8.2 | K | 8.7 | | 20.8 | 53.7 | B | 8.8 | | 15.7 | 53.9 | | 8.2 | | 17.0 | 15.5 | K |
| 9.3 | | 32.1 | 20.5 | | 8.7 | | 5.7 | 39.6 | | 9.4 | | 22.4 | 20.9 | | 9.4 | | 24.6 | 43.3 | | 9.5 | | 28.8 | 36.2 | |
| 9.1 | | 33.9 | 31.0 | | 9.5 | | 20.3 | 53.7 | | 9.4 | | 37.5 | 1.5 | | 9.5 | | 27.0 | 23.6 | | 9.1 | | 49.0 | 24.8 | α |
| 9.5 | | 47.7 | 37.5 | | 8.9 | | 24.6 | 44.1 | | 9.4 | | 51.0 | 31.1 | | 9.4 | | 34.8 | 59.7 | | 9.5 | | 57.7 | 55.3 | |
| 6.8 | | 52.2 | 25.5 | B | 8.9 | | 36.4 | 48.1 | | 9.4 | | 51.4 | 15.6 | | 9.5 | | 56.9 | 54.4 | | 9.3 | | 58.8 | 5.6 | |
| 8.6 | 46 | 1.6 | 1.2 | K | 8.8 | | 42.3 | 50.0 | B | 9.4 | | 51.8 | 33.9 | B | 8.8 | | 59.8 | 7.0 | R | 9.3 | 24 | 10.2 | 18.1 | |
| 9.3 | | 18.4 | 52.3 | | 8.6 | | 51.8 | 35.4 | L | 9.5 | 5 | 8.2 | 34.9 | | 9.5 | 13 | 13.2 | 17.9 | | 9.3 | | 11.8 | 12.3 | B |
| 9.2 | | 19.2 | 46.6 | | 9.5 | 55 | 6.4 | 51.2 | | 9.1 | | 15.0 | 17.5 | | 9.5 | | 25.0 | 50.1 | | 9.1 | | 23.2 | 20.5 | B |
| 9.5 | | 34.5 | 45.8 | | 8.3 | | 10.0 | 26.3 | L | 8.5 | | 25 3 | 14.8 | K | 9.5 | | 35.3 | 24.0 | | 9.4 | | 37.9 | 26.7 | |
| 9.2 | | 36.2 | 40.8 | | 9.4 | | 33.6 | 3.6 | | 7.3 | | 35.4 | 56.8 | L | 9.2 | | 58.6 | 20.5 | b | 9.5 | | 48.2 | 52.3 | |
| 7.5 | | 46.4 | 11.2 | L | 9.5 | | 46.4 | 46.8 | | 9.5 | | 44.3 | 59.9 | | 9.5 | | 59.0 | 3.6 | | 9.5 | | 54.5 | 13.7 | |
| 9.0 | | 50.2 | 42.8 | B | 9.5 | | 49.2 | 18.4 | | 8.0 | | 45.0 | 14.4 | K | 9.0 | 14 | 24.0 | 38.3 | | 9.0 | 25 | 17.9 | 24.4 | |
| 9.3 | | 51.9 | 29.7 | | 9.0 | | 52.6 | 38.5 | B | 8.5 | | 50.9 | 3.5 | L | 9.3 | | 34.3 | 38.6 | | 9.4 | | 41.9 | 35.0 | |
| 9.3 | | 54.3 | 40.6 | | 9.2 | | 56.5 | 38.4 | B | 9.5 | 6 | 7.8 | 2.3 | | 9.5 | | 46.8 | 10.5 | | 9.5 | | 42.3 | 55.3 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.70 | 0.64 | | 10pr. | | 36.66 | 0.75 | | 10pr. | | 36.59 | 0.91 | | 10pr. | | 36.54 | 1.01 | | 10pr. | | 36.45 | 1.14 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵃ | | +24° | | | 7ᵃ | | +24° | | | 7ᵃ—8ᵃ | | +24° | | | 8ᵃ | | +24° | | | 8ᵃ | | +24° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.5 | 25′ | 45.5 | 46.3 | | 9.3 | 35′ | 56.7 | 56.5 | | 8.8 | 51′ | 39.7 | 12.0 | | 9.0 | 4′ | 51.8 | 21.3 | | 9.3 | 22′ | 59.5 | 25.2 | B |
| 9.3 | | 48.5 | 36.8 | B | 9.5 | | 56.8 | 11.6 | | 9.5 | | 46.8 | 51.3 | | 9.4 | 5 | 8.2 | 57.7 | | 8.7 | 23 | 40.2 | 37.5 | K |
| 9.2 | | 48.8 | 9.9 | K*b* | 8.6 | 36 | 11.6 | 40.5 | K | 9.5 | | 57.5 | 24.4 | | 9.4 | | 22.6 | 20.2 | | 8.7 | | 49.4 | 13.8 | K |
| 9.4 | | 50.7 | 50.2 | | 8.7 | | 22.0 | 28.8 | L | 9.5 | 52 | 35.6 | 42.4 | | 9.5 | | 28.3 | 52.8 | | 8.8 | | 51.1 | 28.1 | |
| 7.5 | 26 | 12.4 | 35.3 | 8 | 9.5 | 37 | 46.2 | 32.0 | | 9.5 | | 41.5 | 48.5 | | 9.1 | | 43.1 | 29.3 | | 9.5 | 24 | 13.6 | 51.5 | |
| 8.0 | | 16.2 | 14.7 | K | 8.6 | | 54.7 | 11.2 | K | 7.8 | | 50.7 | 18.8 | K | 9.4 | 6 | 9.4 | 42.4 | | 6.5 | | 25.5 | 34.5 | K |
| 9.3 | | 37.4 | 44.3 | B | 9.5 | 38 | 5.6 | 15.0 | | 9.3 | | 51.1 | 22.5 | | 8.8 | | 26.4 | 46.4 | K | 9.5 | | 59.6 | 11.0 | |
| 9.5 | | 45.9 | 12.3 | | 9.5 | | 6.0 | 49.8 | | 9.5 | 53 | 0.3 | 33.2 | | 8.5 | | 27.5 | 22.9 | K | 9.2 | 25 | 2.8 | 54.7 | |
| 9.5 | | 46.2 | 45.3 | | 7.8 | | 28.3 | 0.8 | K | 8.8 | | 22.8 | 15.4 | K | 8.3 | | 30.1 | 11.1 | K | 9.5 | | 40.6 | 11.7 | |
| 9.4 | 27 | 0.5 | 53.4 | | 8.7 | | 30.5 | 4.7 | K | 8.9 | | 55.6 | 6.9 | | 9.5 | | 30.9 | 50.3 | B | 8.5 | | 44.1 | 28.0 | K |
| 9.4 | | 2.5 | 46.2 | | 9.1 | | 54.3 | 7.7 | | 9.3 | 54 | 0.0 | 40.7 | | 9.3 | 7 | 3.0 | 16.0 | | 8.8 | 26 | 10.8 | 30.3 | K |
| 8.8 | | 8.6 | 21.1 | K | 9.2 | 39 | 24.2 | 55.4 | | 9.5 | | 8.5 | 33.5 | | 9.3 | | 3.6 | 0.9 | | 9.0 | | 53.0 | 48.8 | K |
| 9.5 | | 15.7 | 49.9 | B | 9.2 | | 29.6 | 23.3 | | 9.3 | | 12.8 | 38.1 | | 9.3 | | 6.7 | 55.5 | | 9.5 | 27 | 8.7 | 53.2 | *a* |
| 9.5 | | 19.2 | 11.3 | | 9.5 | | 49.3 | 43.4 | | 9.3 | | 15.9 | 54.4 | | 9.4 | | 24.5 | 23.6 | | 9.5 | | 16.1 | 38.4 | |
| 9.5 | | 30.0 | 48.0 | | 8.6 | | 57.8 | 26.7 | | 8.6 | | 25.2 | 58.6 | | 8.9 | | 39.8 | 30.5 | | 7.0 | | 28.6 | 33.0 | K |
| 9.5 | | 50.9 | 56.7 | | 9.5 | 40 | 24.9 | 51.4 | B | 9.1 | | 29.2 | 20.2 | | 9.2 | | 50.2 | 6.3 | | 9.0 | 28 | 14.2 | 58.2 | K*b* |
| 9.4 | 28 | 6.7 | 44.6 | | 7.4 | | 35.2 | 51.5 | L | 9.0 | 55 | 2.8 | 46.0 | | 9.1 | | 58.1 | 3.6 | *b* | 9.5 | | 31.2 | 59.0 | B |
| 8.3 | | 17.4 | 13.4 | K | var | | 36.4 | 5.3 | *B* | 8.6 | | 14.1 | 59.1 | K | 9.2 | 8 | 10.9 | 41.6 | | 9.5 | | 38.1 | 27.7 | B |
| 9.4 | | 27.1 | 50.9 | | 8.0 | | 51.6 | 36.9 | K | 9.0 | | 24.8 | 23.2 | | 9.5 | 9 | 4.5 | 12.7 | | 9.5 | | 58.3 | 3.9 | |
| 9.5 | | 32.9 | 24.5 | | 9.5 | 41 | 6.0 | 0.9 | | 8.0 | | 26.7 | 54.4 | K | 9.4 | | 28.6 | 11.0 | | 9.3 | 29 | 10.2 | 36.8 | |
| 9.3 | | 39.3 | 23.2 | B | 9.1 | | 8.6 | 23.3 | | 9.5 | | 36.8 | 12.3 | | 9.4 | | 49.1 | 2.4 | | 9.2 | | 13.4 | 56.6 | *a* |
| 9.5 | | 40.2 | 16.6 | | 9.1 | | 32.4 | 47.2 | | 9.1 | | 58.5 | 8.8 | | 9.5 | 10 | 28.4 | 8.9 | | 9.1 | | 24.0 | 48.4 | B |
| 9.5 | | 47.5 | 14.8 | | 8.7 | | 35.4 | 53.6 | K*b* | 7.8 | 56 | 1.5 | 45.7 | K | 7.5 | | 31.2 | 37.4 | K*b* | 9.0 | | 38.2 | 11.0 | |
| 9.2 | | 58.4 | 14.0 | | 9.5 | | 49.7 | 7.5 | | 9.0 | | 8.7 | 38.0 | | 9.5 | | 44.5 | 59.9 | | 9.5 | | 47.1 | 58.5 | B |
| 8.2 | 29 | 12.3 | 9.4 | B | 7.4 | | 56.8 | 31.2 | K | 7.9 | | 15.2 | 1.3 | K | 9.4 | | 51.4 | 42.3 | *a* | 9.5 | | 49.9 | 59.3 | *a* |
| 9.5 | | 23.9 | 20.5 | B | 8.2 | 42 | 2.4 | 8.7 | B | 9.5 | | 45.5 | 15.5 | | 9.3 | | 52.5 | 41.5 | B | 9.5 | | 51.4 | 15.4 | |
| 7.0 | | 27.6 | 41.7 | K | 9.2 | | 28.0 | 48.8 | | 8.5 | | 46.2 | 35.9 | B | 8.2 | 11 | 24.2 | 15.7 | K | 9.4 | | 58.6 | 47.0 | |
| 8.7 | | 53.6 | 7.4 | | 9.3 | | 33.2 | 8.4 | B | 9.0 | | 58.2 | 53.3 | | 9.1 | | 38.6 | 43.9 | | 6.5 | 30 | 14.9 | 11.3 | K |
| 9.0 | 30 | 20.2 | 39.8 | K | 9.5 | 43 | 2.0 | 35.9 | | 9.2 | 57 | 1.1 | 51.9 | | 6.0 | | 55.0 | 28.6 | K*b* | 8.5 | | 26.4 | 56.4 | L |
| 7.0 | | 26.6 | 34.2 | K | 9.4 | | 37.8 | 50.5 | B | 9.5 | | 8.8 | 5.3 | | 9.4 | 12 | 43.6 | 1.2 | | 9.5 | | 45.9 | 23.2 | |
| 9.5 | 31 | 9.5 | 46.3 | | 9.1 | | 41.0 | 2.4 | K | 9.5 | | 10.9 | 12.8 | | 9.4 | | 50.0 | 7.1 | | 9.5 | 31 | 15.1 | 7.3 | |
| 9.5 | | 13.5 | 39.2 | | 9.5 | | 42.3 | 11.6 | | 8.4 | | 12.5 | 27.3 | K | 9.3 | 13 | 1.8 | 41.2 | | 9.5 | | 47.4 | 52.2 | *a* |
| 9.5 | | 30.3 | 0.5 | | 9.4 | | 56.0 | 25.0 | | 9.5 | | 23.9 | 16.8 | | 8.5 | | 20.0 | 28.9 | | 9.5 | 32 | 0.0 | 7.4 | |
| 9.5 | | 43.0 | 27.4 | | 9.2 | 44 | 10.0 | 7.0 | B | 8.9 | | 32.4 | 2.9 | | 9.5 | | 33.5 | 26.9 | | 9.2 | 33 | 5.4 | 34.3 | |
| 9.5 | 32 | 15.7 | 25.1 | | 9.5 | 45 | 21.9 | 34.6 | | 9.4 | | 34.3 | 47.8 | | 9.2 | | 45.3 | 15.0 | | 8.6 | | 25.5 | 52.3 | K*b* |
| 9.1 | | 30.6 | 28.4 | | 9.1 | | 31.0 | 14.9 | | 8.9 | | 45.0 | 26.1 | | 9.5 | 14 | 9.5 | 1.9 | | 8.0 | | 25.9 | 18.5 | K |
| 9.5 | | 43.0 | 38.5 | | 9.5 | | 40.5 | 56.1 | | 9.3 | | 55.7 | 55.7 | *a* | 9.5 | | 13.9 | 18.2 | | 9.5 | | 43.8 | 45.3 | |
| 9.3 | | 55.6 | 39.5 | B | 9.4 | | 45.9 | 30.3 | | 8.5 | | 56.1 | 33.5 | B*b* | 8.2 | | 55.7 | 0.2 | K | 9.3 | | 50.4 | 6.6 | |
| 9.5 | | 58.2 | 5.3 | | 9.5 | | 49.3 | 6.2 | B | 9.2 | 58 | 3.1 | 30.7 | | 9.1 | 15 | 55.0 | 54.3 | *a* | 9.5 | | 57.7 | 11.1 | |
| 8.2 | 33 | 15.1 | 23.0 | B | 8.3 | 46 | 10.8 | 33.6 | K | 8.9 | | 8.3 | 27.5 | | 7.0 | 16 | 19.4 | 24.7 | K | 9.5 | 34 | 15.0 | 43.3 | |
| 9.5 | | 15.9 | 48.7 | | 9.3 | | 33.7 | 28.8 | | 9.2 | | 48.8 | 26.7 | | 7.8 | | 40.1 | 49.1 | K | 9.5 | | 31.9 | 40.9 | |
| 9.3 | | 22.4 | 43.0 | | 8.2 | | 47.9 | 44.3 | L | 9.4 | 59 | 2.4 | 17.0 | | 8.2 | | 46.6 | 1.0 | K | 8.8 | | 56.5 | 30.3 | |
| 9.5 | | 35.2 | 48.1 | | 8.9 | 47 | 2.4 | 43.6 | | 8.3 | | 10.6 | 26.0 | K | 9.1 | 17 | 10.4 | 8.1 | | 9.5 | 36 | 46.4 | 18.8 | |
| 9.5 | | 43.0 | 10.9 | | 8.6 | | 8.1 | 36.3 | B | 9.5 | | 11.0 | 3.1 | | 9.4 | 18 | 16.1 | 27.1 | | 9.5 | 37 | 23.0 | 21.3 | |
| 9.2 | 34 | 0.0 | 39.6 | B | 6.8 | | 23.7 | 6.0 | K | 9.5 | | 11.6 | 34.5 | | 8.4 | | 29.1 | 11.9 | B | 9.0 | | 45.3 | 23.0 | B |
| 9.0 | | 3.2 | 28.1 | | 6.7 | | 26.5 | 0.8 | K | 9.5 | | 27.2 | 51.0 | | 9.4 | | 34.7 | 11.1 | | 9.5 | 38 | 9.0 | 13.3 | |
| 9.4 | | 13.8 | 20.9 | | 9.5 | | 30.3 | 9.8 | | 8.7 | | 31.3 | 5.7 | B | 9.5 | | 46.5 | 13.0 | | 9.5 | | 20.0 | 13.3 | |
| 9.4 | | 30.0 | 28.1 | | 9.5 | | 40.5 | 6.9 | | 9.0 | | 33.9 | 52.9 | K*b* | 9.4 | | 56.8 | 46.2 | | 9.5 | | 36.5 | 13.9 | |
| 9.5 | | 46.3 | 34.2 | | 9.5 | | 47.7 | 25.7 | | 9.5 | | 43.3 | 50.8 | | 9.5 | 19 | 56.7 | 9.0 | | 9.5 | | 57.3 | 8.9 | B |
| 8.8 | | 46.4 | 10.9 | K | 9.5 | 48 | 42.6 | 28.5 | | 9.4 | | 59.2 | 26.2 | B | 9.5 | | 57.5 | 18.3 | | 8.5 | 39 | 10.4 | 33.2 | L |
| 8.6 | | 52.1 | 7.2 | K | 8.7 | | 48.0 | 53.1 | K | 9.2 | 0 | 44.7 | 8.3 | | 5.8 | 20 | 0.2 | 37.3 | K | 9.2 | | 20.4 | 0.7 | |
| 9.5 | | 53.7 | 58.2 | B | 9.3 | 49 | 31.3 | 49.1 | | 9.1 | | 49.3 | 3.0 | B | 9.5 | | 24.4 | 30.8 | | 8.5 | 40 | 4.8 | 38.2 | K |
| 9.5 | 35 | 4.9 | 58.0 | | 9.5 | | 48.3 | 48.4 | | 9.1 | 1 | 43.8 | 20.9 | *b* | 9.5 | | 35.0 | 4.1 | | 9.5 | | 7.2 | 58.1 | |
| 9.5 | | 13.1 | 11.6 | | 9.5 | | 56.5 | 16.5 | | 9.3 | 2 | 4.2 | 15.0 | | 7.0 | 21 | 4.0 | 49.8 | K | 9.3 | | 33.7 | 28.4 | |
| 7.9 | | 14.7 | 35.4 | L | 9.0 | 50 | 21.3 | 35.8 | | 9.5 | | 48.8 | 32.7 | | 9.1 | | 6.2 | 5.1 | *b* | 9.5 | 41 | 29.4 | 3.8 | |
| 9.0 | | 14.9 | 47.6 | B | 9.0 | | 24.0 | 42.5 | | 9.2 | 3 | 0.3 | 37.5 | *b* | 9.4 | | 13.6 | 41.2 | | 9.4 | | 30.9 | 47.0 | |
| 9.4 | | 23.9 | 50.5 | | 9.4 | | 31.8 | 1.5 | | 9.5 | | 13.4 | 1.5 | B | 9.5 | 22 | 14.9 | 42.2 | | 9.0 | 42 | 59.5 | 35.7 | |
| 9.4 | | 26.2 | 15.5 | | 9.1 | | 54.2 | 15.8 | | 9.1 | | 42.4 | 53.7 | *a* | 8.8 | | 39.3 | 53.8 | | 9.3 | 43 | 21.9 | 10.8 | |
| 3.7 | | 42.7 | 46.0 | K | 9.5 | 51 | 4.2 | 8.5 | | 9.5 | 4 | 41.5 | 42.9 | | 9.5 | | 42.4 | 7.0 | | 8.0 | | 38.7 | 50.8 | K |
| 9.5 | | 48.3 | 14.1 | B | 8.8 | | 10.0 | 28.0 | K | 9.5 | | 50.9 | 5.5 | | 5.8 | | 55.5 | 34.0 | K*b* | 9.0 | | 42.0 | 15.4 | K*b* |
| | | + | − | | | | + | − | | | | + | − | | | | + | − | | | | + | − | |
| 10*pr.* | | 36.34 | 1.29 | | 10*pr.* | | 36.20 | 1.46 | | 10*pr.* | | 36.03 | 1.63 | | 10*pr.* | | 35.82 | 1.83 | | 10*pr.* | | 35.53 | 2.04 | |

2001—2060

| m | 8h—9h | +24° | |
|---|---|---|---|
| 9.1 | 43′ 43.5 | 30.9 | αB |
| 8.9 | 51.9 | 30.0 | B |
| 9.1 | 44 25.9 | 34.9 | |
| 9.4 | 46.6 | 43.9 | |
| 9.5 | 45 6.0 | 13.6 | |
| 9.0 | 25.7 | 38.7 | L |
| 9.5 | 51.5 | 35.4 | |
| 9.1 | 46 8.4 | 45.7 | |
| 9.0 | 28.4 | 35.2 | |
| 9.2 | 32.8 | 55.0 | |
| 9.5 | 42.5 | 20.6 | |
| 9.4 | 48.8 | 55.6 | |
| 9.1 | 55.3 | 25.3 | |
| 9.4 | 47 38.9 | 5.4 | |
| 8.6 | 55.5 | 29.5 | K |
| 9.3 | 48 48.9 | 0.9 | |
| 9.5 | 49 12.2 | 44.5 | |
| 9.5 | 17.1 | 53.5 | B |
| 8.5 | 36.4 | 39.1 | K |
| 9.5 | 52.6 | 6.8 | |
| 9.0 | 50 3.9 | 46.0 | |
| 7.5 | 17.8 | 31.8 | K |
| 8.9 | 51 36.0 | 55.3 | |
| 9.5 | 58.7 | 16.4 | |
| 9.0 | 52 2.4 | 10.9 | |
| 8.6 | 18.5 | 21.6 | |
| 9.3 | 27.5 | 51.1 | B |
| 9.5 | 46.6 | 4.6 | |
| 9.2 | 53 0.7 | 0.6 | |
| 9.5 | 6.4 | 11.6 | |
| 9.5 | 10.9 | 56.0 | |
| 9.4 | 54 4.9 | 41.8 | B |
| 9.5 | 55 2.5 | 28.5 | |
| 9.5 | 56.7 | 21.6 | |
| 9.3 | 56 16.4 | 5.4 | |
| 9.5 | 57 1.9 | 57.6 | |
| 9.5 | 6.4 | 43.1 | |
| 8.5 | 40.1 | 18.8 | K |
| 9.0 | 43.4 | 1.8 | K |
| 8.6 | 58 16.5 | 57.8 | Kb |
| 9.0 | 59 43.9 | 27.4 | |
| 9.5 | 52.3 | 10.6 | |
| 8.6 | 0 49.1 | 5.0 | K |
| 9.5 | 1 3.3 | 34.7 | |
| 9.5 | 54.4 | 19.8 | |
| 9.1 | 2 7.7 | 8.5 | b |
| 9.5 | 22.8 | 46.0 | |
| 9.5 | 3 27.2 | 55.3 | |
| 8.5 | 28.0 | 13.0 | K |
| 9.2 | 50.9 | 35.6 | |
| 9.5 | 4 0.4 | 19.4 | |
| 9.1 | 24.3 | 55.5 | |
| 9.0 | 5 6.7 | 38.4 | |
| 7.5 | 8.0 | 53.4 | Kb |
| 9.0 | 23.3 | 49.7 | |
| 9.5 | 42.8 | 56.7 | |
| 9.3 | 50.5 | 21.9 | |
| 9.5 | 6 17.4 | 15.2 | |
| 8.7 | 17.7 | 53.3 | |
| 9.5 | 26.2 | 20.1 | |
| 10pr. | + 35.15 | — 2.29 | |

2061—2120

| m | 9h | +24° | |
|---|---|---|---|
| 8.9 | 6′ 36.1 | 42.2 | |
| 9.0 | 58.0 | 34.0 | |
| 8.5 | 58.6 | 22.3 | |
| 9.5 | 7 41.2 | 36.5 | |
| 7.0 | 50.1 | 1.1 | K |
| 9.5 | 8 2.6 | 2.0 | |
| 9.3 | 26.9 | 31.3 | |
| 7.3 | 56.9 | 15.4 | K |
| 9.5 | 10 37.9 | 19.2 | |
| 8.8 | 11 13.0 | 52.3 | |
| 9.5 | 45.9 | 7.9 | b |
| 9.5 | 12 51.8 | 56.0 | |
| 9.5 | 13 21.9 | 54.6 | |
| 9.2 | 14 22.8 | 48.4 | |
| 9.3 | 35.0 | 9.9 | |
| 9.4 | 15 5.5 | 48.3 | |
| 8.1 | 9.4 | 56.2 | B |
| 9.4 | 22.5 | 39.1 | |
| 9.4 | 26.5 | 8.4 | |
| 7.0 | 58.3 | 11.7 | K |
| 9.5 | 16 34.5 | 51.2 | |
| 9.3 | 39.7 | 43.3 | |
| 9.3 | 17 21.0 | 26.4 | |
| 9.5 | 58.6 | 27.1 | |
| 9.5 | 18 22.0 | 10.9 | |
| 9.5 | 19 48.9 | 37.0 | |
| 9.5 | 20 20.0 | 9.8 | |
| 9.1 | 22.2 | 21.6 | |
| 8.9 | 24.3 | 26.0 | |
| 9.5 | 39.5 | 49.5 | |
| 9.3 | 21 11.1 | 57.6 | |
| 9.1 | 13.4 | 22.5 | b |
| 9.5 | 14.5 | 52.6 | |
| 9.5 | 29.8 | 37.2 | |
| 9.5 | 36.7 | 40.0 | |
| 9.5 | 22 15.0 | 42.5 | |
| 9.5 | 31.5 | 37.0 | |
| 9.4 | 23 22.3 | 21.3 | |
| 8.9 | 45.8 | 25.6 | |
| 9.3 | 24 18.4 | 48.8 | |
| 9.5 | 54.2 | 48.4 | |
| 9.1 | 25 30.9 | 55.4 | ab |
| 9.2 | 39.7 | 52.5 | |
| 6.5 | 43.9 | 5.1 | K |
| 8.9 | 27 37.7 | 40.6 | |
| 9.3 | 39.2 | 26.2 | |
| 9.1 | 52.7 | 19.0 | |
| 9.2 | 28 22.9 | 56.4 | |
| 9.5 | 29 1.9 | 3.1 | |
| 8.3 | 38.7 | 42.4 | K |
| 7.8 | 57.2 | 12.1 | K |
| 9.4 | 30 31.5 | 54.5 | |
| 9.5 | 32 0.8 | 31.0 | |
| 9.3 | 16.7 | 13.1 | |
| 8.9 | 25.2 | 45.2 | |
| 9.5 | 45.5 | 6.8 | |
| 9.2 | 33 17.2 | 29.7 | |
| 9.0 | 27.6 | 32.2 | B |
| 9.4 | 34 6.4 | 52.3 | B |
| 9.3 | 19.5 | 3.1 | |
| 10pr. | + 34.62 | — 2.57 | |

2121—2180

| m | 9h | +24° | |
|---|---|---|---|
| 8.5 | 34′ 34.1 | 15.2 | L |
| 9.4 | 59.6 | 55.3 | |
| 8.7 | 35 5.3 | 27.2 | L |
| 9.5 | 36 6.2 | 42.7 | |
| 9.2 | 41.2 | 16.2 | B |
| 9.4 | 49.7 | 42.3 | |
| 9.4 | 53.7 | 38.6 | |
| 7.0 | 37 1.3 | 8.0 | K |
| 3.2 | 36.7 | 26.8 | K |
| 9.4 | 41.5 | 35.5 | |
| 9.0 | 38 11.3 | 35.0 | |
| 9.5 | 17.5 | 53.2 | B |
| 6.7 | 39 9.5 | 18.4 | K |
| 9.5 | 40 1.8 | 20.1 | |
| 9.4 | 2.3 | 40.5 | B |
| 9.5 | 6.0 | 15.3 | |
| 9.5 | 27.9 | 52.5 | |
| 9.5 | 57.6 | 36.7 | |
| 9.0 | 42 24.5 | 20.1 | |
| 9.3 | 28.9 | 58.8 | |
| 9.5 | 31.1 | 33.6 | |
| 8.6 | 46.1 | 31.8 | R |
| 9.4 | 43 13.0 | 20.1 | |
| 9.5 | 13.1 | 48.7 | |
| 9.2 | 13.2 | 59.6 | |
| 9.5 | 34.5 | 36.3 | |
| 9.5 | 46 21.5 | 13.6 | |
| 9.4 | 23.1 | 8.2 | b |
| 9.4 | 52.8 | 19.5 | |
| 9.5 | 59.5 | 42.5 | |
| 9.5 | 48 4.0 | 37.6 | |
| 9.2 | 20.4 | 26.0 | |
| 9.5 | 22.8 | 0.1 | |
| 9.5 | 27.4 | 4.9 | B |
| 9.5 | 53.6 | 19.1 | |
| 8.5 | 56.1 | 42.5 | K |
| 9.0 | 49 46.5 | 29.0 | R |
| 9.2 | 50 10.8 | 18.8 | |
| 9.5 | 31.3 | 5.4 | |
| 9.5 | 32.5 | 24.7 | |
| 9.4 | 51 46.1 | 44.9 | |
| 9.5 | 52 19.4 | 49.6 | |
| 9.0 | 30.4 | 14.7 | L |
| 9.5 | 34.1 | 52.2 | B |
| 9.5 | 53 10.1 | 42.5 | α |
| 9.1 | 28.4 | 32.5 | Rb |
| 8.0 | 43.8 | 41.4 | K |
| 9.4 | 54 14.0 | 54.5 | |
| 9.4 | 53.7 | 37.7 | |
| 9.5 | 55 0.8 | 47.4 | |
| 9.5 | 34.7 | 30.1 | |
| 9.3 | 56.8 | 20.5 | |
| 9.3 | 58.1 | 16.4 | |
| 9.4 | 59.9 | 56.0 | |
| 9.1 | 56 40.8 | 11.9 | b |
| 9.3 | 42.1 | 19.1 | |
| 8.1 | 57 59.6 | 31.8 | K |
| 9.5 | 58 52.8 | 54.1 | |
| 8.8 | 59 0.5 | 37.3 | |
| 8.7 | 2.7 | 18.4 | K |
| 10pr. | + 34.04 | — 2.80 | |

2181—2240

| m | 9h—10h | +24° | |
|---|---|---|---|
| 9.1 | 59′ 22.8 | 33.2 | |
| 8.9 | 29.1 | 25.9 | |
| 9.4 | 35.5 | 41.9 | B |
| 9.1 | 0 7.5 | 37.6 | |
| 7.1 | 38.3 | 12.1 | K |
| 9.4 | 43.0 | 14.1 | B |
| 9.5 | 1 5.0 | 14.6 | |
| 9.5 | 41.0 | 23.6 | |
| 7.8 | 2 29.8 | 36.0 | K |
| 9.4 | 45.1 | 54.4 | |
| 9.2 | 48.7 | 42.5 | B |
| 8.4 | 3 35.9 | 50.3 | K |
| 8.3 | 46.1 | 28.4 | K |
| 9.3 | 4 7.7 | 53.2 | |
| 8.8 | 14.3 | 15.3 | |
| 9.4 | 50.8 | 44.2 | |
| 9.5 | 5 17.5 | 43.2 | |
| 9.4 | 21.5 | 14.6 | |
| 9.5 | 45.4 | 51.8 | |
| 9.2 | 6 0.8 | 31.8 | b |
| 9.5 | 3.5 | 51.8 | |
| 9.4 | 20.7 | 13.6 | |
| 8.8 | 43.1 | 36.0 | |
| 9.2 | 59.1 | 15.7 | |
| 9.2 | 8 19.3 | 1.6 | |
| 9.0 | 27.0 | 56.7 | |
| 7.0 | 30.2 | 14.3 | K |
| 9.1 | 32.8 | 39.0 | |
| 3.5 | 37.3 | 8.3 | K |
| 9.3 | 59.1 | 21.5 | |
| 9.5 | 9 33.0 | 58.6 | |
| 9.1 | 38.5 | 32.2 | |
| 8.9 | 46.3 | 33.2 | B |
| 9.5 | 15 24.2 | 3.7 | |
| 9.5 | 34.1 | 24.8 | B |
| 9.5 | 16 1.1 | 36.6 | |
| 9.0 | 2.0 | 27.1 | Rb |
| 9.5 | 16.6 | 51.8 | |
| 9.1 | 17 28.0 | 5.6 | |
| 9.3 | 48.1 | 53.2 | b |
| 9.5 | 18 40.5 | 53.8 | |
| 8.8 | 19 14.9 | 8.4 | |
| 9.0 | 19.2 | 26.3 | Bb |
| 9.5 | 52.1 | 53.9 | |
| 9.2 | 20 3.7 | 4.0 | |
| 9.0 | 31.2 | 6.5 | |
| 9.0 | 21 0.1 | 34.2 | |
| 9.1 | 9.3 | 59.8 | ab |
| 8.0 | 35.8 | 43.5 | K |
| 9.3 | 22 31.2 | 50.1 | B |
| 9.5 | 34.5 | 50.5 | α |
| 9.5 | 38.5 | 34.3 | |
| 9.5 | 56.1 | 5.8 | |
| 8.2 | 23 14.6 | 44.6 | Kb |
| 9.3 | 22.8 | 55.4 | |
| 9.5 | 33.5 | 56.6 | |
| 9.1 | 36.2 | 2.0 | |
| 7.7 | 45.8 | 50.4 | K |
| 8.0 | 24 24.2 | 3.5 | Kb |
| 9.4 | 51.9 | 16.9 | B |
| 10pr. | + 33.55 | — 2.95 | |

2241—2300

| m | 10h | +24° | |
|---|---|---|---|
| 9.5 | 25′ 20.1 | 55.1 | B |
| 9.4 | 36.0 | 24.3 | B |
| 9.5 | 44.1 | 32.5 | B |
| 7.0 | 50.3 | 6.4 | K |
| 9.4 | 58.0 | 20.0 | |
| 9.5 | 26 2.1 | 49.0 | |
| 9.5 | 25.6 | 22.6 | |
| 8.9 | 27 15.5 | 18.0 | |
| 9.5 | 28 22.0 | 22.9 | |
| 9.1 | 54.1 | 13.5 | R |
| 7.7 | 29 18.7 | 12.1 | K |
| 9.5 | 34.1 | 26.0 | |
| 9.5 | 30 48.9 | 11.2 | |
| 9.3 | 31 30.8 | 37.3 | |
| 9.2 | 32 40.5 | 20.5 | |
| 9.2 | 40.8 | 4.1 | |
| 8.8 | 46.8 | 7.7 | K |
| 9.5 | 47.5 | 50.4 | B |
| 9.0 | 33 10.4 | 56.6 | b |
| 8.7 | 24.1 | 43.7 | K |
| 9.5 | 34 19.6 | 19.1 | B |
| 9.2 | 35 27.3 | 3.8 | |
| 9.4 | 37.1 | 24.6 | |
| 9.3 | 45.7 | 6.5 | |
| 8.7 | 37 31.5 | 20.7 | L |
| 9.5 | 44.8 | 23.7 | |
| 9.4 | 58.5 | 18.3 | |
| 9.1 | 38 32.7 | 10.6 | |
| 8.5 | 52.8 | 54.6 | |
| 9.3 | 39 30.1 | 44.2 | B |
| 9.5 | 53.5 | 43.7 | |
| 8.5 | 40 0.5 | 6.0 | |
| 9.3 | 1.8 | 22.0 | |
| 9.5 | 53.1 | 22.4 | |
| 9.2 | 41 25.4 | 53.5 | |
| 9.4 | 42.6 | 15.1 | |
| 9.5 | 57.3 | 9.0 | |
| 9.5 | 42 38.4 | 38.0 | |
| 6.8 | 46.5 | 10.8 | K |
| 8.8 | 43 20.2 | 16.8 | L |
| 8.9 | 33.0 | 10.3 | L |
| 9.5 | 43.3 | 56.3 | B |
| 9.5 | 45 31.7 | 59.7 | |
| 9.3 | 46 27.6 | 45.5 | b |
| 8.5 | 58.2 | 31.4 | |
| 9.5 | 48 16.4 | 28.1 | |
| 7.3 | 31.7 | 2.4 | Lb |
| 9.5 | 49 13.5 | 8.6 | |
| 9.5 | 21.2 | 38.9 | |
| 9.4 | 25.0 | 0.3 | |
| 7.7 | 25.2 | 54.8 | Kb |
| 9.4 | 50 5.9 | 9.5 | |
| 9.5 | 13.9 | 46.6 | |
| 9.5 | 26.9 | 49.1 | |
| 9.5 | 51 43.0 | 3.8 | |
| 9.4 | 45.9 | 37.2 | |
| 9.5 | 56.5 | 50.1 | |
| 8.3 | 52 47.3 | 29.0 | B |
| 8.0 | 53 3.8 | 4.9 | K |
| 8.4 | 8.3 | 50.9 | Kb |
| 10pr. | + 32.81 | — 3.14 | |

2301—2360

| m | 10ª—11ª | +24° | |
|---|---|---|---|
| 9.5 | 53′ 30.9 | 47.5 | |
| 9.5 | 56.3 | 43.0 | |
| 9.4 | 57.0 | 35.0 | |
| 9.5 | 54 4.1 | 57.7 | |
| 8.1 | 35.2 | 27.1 | L |
| 9.2 | 55 9.4 | 48.5 | b |
| 9.5 | 11.9 | 4.5 | B |
| 8.6 | 32.5 | 9.3 | K |
| 9.5 | 40.6 | 9.7 | B |
| 9.5 | 56 14.2 | 42.6 | |
| 9.5 | 58.5 | 47.7 | |
| 9.5 | 57 16.0 | 24.0 | |
| 9.5 | 58 31.3 | 22.6 | |
| 9.4 | 40.3 | 41.7 | B |
| 9.5 | 43.0 | 43.7 | |
| 9.5 | 45.5 | 52.9 | |
| 9.5 | 59 40.1 | 50.5 | |
| 6.5 | 55.4 | 6.7 | Lb |
| 9.4 | 0 46.5 | 25.7 | |
| 9.5 | 1 29.2 | 31.5 | |
| 9.2 | 31.3 | 1.8 | b |
| 9.4 | 35.2 | 58.4 | |
| 9.3 | 3 10.0 | 21.7 | |
| 9.5 | 42.2 | 19.5 | |
| 9.2 | 4 32.3 | 13.7 | |
| 9.5 | 43.5 | 49.1 | |
| 8.9 | 47.7 | 18.2 | |
| 9.2 | 56.0 | 13.0 | |
| 9.5 | 5 23.6 | 29.0 | |
| 9.5 | 33.1 | 27.5 | B |
| 9.2 | 42.9 | 41.6 | K |
| 7.8 | 6 21.5 | 38.5 | K |
| 9.5 | 7 18.2 | 58.5 | |
| 9.5 | 33.5 | 20.1 | B |
| 9.5 | 49.0 | 17.8 | |
| 9.5 | 8 10.1 | 53.0 | |
| 9.5 | 10 27.9 | 59.7 | |
| 9.5 | 35.2 | 2.7 | |
| 9.0 | 55.8 | 52.0 | |
| 9.3 | 11 20.3 | 16.8 | |
| 9.5 | 29.9 | 45.4 | |
| 9.3 | 58.0 | 21.6 | |
| 9.5 | 12 8.1 | 41.9 | |
| 8.5 | 54.0 | 24.4 | Lb |
| 9.0 | 13 7.1 | 49.4 | B |
| 9.0 | 15.7 | 36.5 | |
| 9.5 | 32.5 | 11.0 | |
| 8.9 | 14 50.7 | 26.1 | |
| 9.5 | 16 20.0 | 16.6 | |
| 9.1 | 34.0 | 24.0 | b |
| 9.4 | 34.5 | 9.4 | B |
| 9.5 | 17 33.9 | 43.2 | |
| 9.5 | 18 15.5 | 50.5 | |
| 9.5 | 50.2 | 29.6 | |
| 9.4 | 19 13.4 | 51.6 | |
| 9.3 | 35.8 | 56.2 | |
| 8.8 | 44.9 | 7.5 | |
| 9.3 | 49.8 | 18.4 | B |
| 9.4 | 51.2 | 21.9 | |
| 8.5 | 54.7 | 50.5 | Lb |
| | + | — | |
| 10pr. | 32.15 | 3.25 | |

2361—2420

| m | 11ª | +24° | |
|---|---|---|---|
| 9.3 | 20′ 20.0 | 53.8 | |
| 9.5 | 23 49.2 | 36.5 | |
| 9.3 | 57.8 | 3.8 | B |
| 8.9 | 24 6.9 | 40.3 | B |
| 9.5 | 25 3.0 | 34.8 | |
| 9.5 | 6.7 | 51.9 | |
| 9.5 | 26 22.5 | 25.8 | |
| 9.4 | 55.9 | 3.0 | |
| 8.3 | 27 3.2 | 8.1 | K |
| 9.2 | 42.3 | 8.6 | |
| 8.5 | 28 8.9 | 29.2 | K |
| 9.5 | 30 42.7 | 54.8 | |
| 8.3 | 46.7 | 13.3 | K |
| 7.0 | 31 8.5 | 7.8 | K |
| 8.0 | 19.7 | 33.4 | Kb |
| 9.3 | 32 23.0 | 14.4 | |
| 9.0 | 30.7 | 54.7 | |
| 6.9 | 35.0 | 30.8 | K |
| 8.8 | 40.7 | 22.6 | K |
| 9.1 | 51.7 | 24.2 | B |
| 9.1 | 33 39.1 | 55.7 | b |
| 9.5 | 34 3.2 | 12.0 | |
| 7.8 | 22.7 | 15.1 | K |
| 8.5 | 53.5 | 43.6 | K |
| 9.1 | 35 48.2 | 26.1 | |
| 7.0 | 36 15.0 | 48.5 | K |
| 9.3 | 20.0 | 52.7 | Kb |
| 9.1 | 37 5.8 | 52.7 | K |
| 9.1 | 59.2 | 25.4 | |
| 9.3 | 38 34.5 | 5.1 | |
| 9.5 | 39 6.5 | 15.1 | |
| 9.0 | 10.6 | 47.1 | |
| 9.0 | 13.4 | 12.8 | K |
| 6.8 | 30.1 | 31.1 | L |
| 9.4 | 56.3 | 13.2 | |
| 9.5 | 41 35.4 | 3.9 | |
| 9.5 | 52.6 | 54.4 | |
| 9.5 | 42 47.0 | 59.1 | |
| 9.5 | 43 45.1 | 53.9 | |
| 9.5 | 52.5 | 30.9 | |
| 9.4 | 44 12.7 | 32.9 | B |
| 9.2 | 45 24.1 | 26.5 | K |
| 9.2 | 24.2 | 35.0 | K |
| 9.5 | 52.6 | 28.9 | |
| 8.5 | 47 3.6 | 37.2 | |
| 9.5 | 29.9 | 7.7 | |
| 9.0 | 48 35.1 | 16.0 | |
| 9.5 | 36.6 | 53.5 | |
| 8.9 | 49 31.6 | 24.8 | B |
| 9.3 | 50 17.1 | 20.7 | |
| 9.4 | 22.1 | 46.2 | |
| 9.5 | 45.2 | 31.1 | |
| 9.5 | 46.6 | 7.1 | |
| 8.9 | 48.2 | 0.5 | |
| 9.5 | 51 18.6 | 37.9 | |
| 8.5 | 38.6 | 43.1 | Kb |
| 8.6 | 52 29.1 | 46 5 | K |
| 8.9 | 53 42.9 | 38.4 | B |
| 9.4 | 43.8 | 39.8 | a |
| 9.0 | 55 28.5 | 58.9 | Kb |
| | + | — | |
| 10pr. | 31.28 | 3.33 | |

2421—2480

| m | 11ª—12ª | +24° | |
|---|---|---|---|
| 9.5 | 56′ 40.7 | 0.1 | B |
| 7.8 | 45.7 | 55.7 | K |
| 9.5 | 58 29.1 | 19.3 | |
| 6.8 | 36.3 | 0.0 | K |
| 9.4 | 59 12.3 | 5.5 | |
| 9.1 | 22.3 | 56.3 | b |
| 9.5 | 0 16.6 | 51.3 | a |
| 8.9 | 38.7 | 30.7 | K |
| 8.8 | 43.2 | 41.5 | L |
| 9.5 | 2 39.6 | 3.5 | |
| 9.1 | 3 1.1 | 6.9 | |
| 9.5 | 11.0 | 59.5 | |
| 8.5 | 4 4.2 | 1.3 | K |
| 9.5 | 11.6 | 20.6 | B |
| 9.5 | 18.1 | 54.1 | |
| 6.6 | 23.9 | 7.8 | K |
| 9.5 | 5 14.1 | 21.1 | |
| 9.5 | 35.8 | 57.4 | |
| 8.9 | 6 7.2 | 3.8 | |
| 9.5 | 26.1 | 16.6 | |
| 7.5 | 7 7.6 | 28.7 | K |
| 9.5 | 8 6.6 | 27.7 | |
| 5.3 | 9 1.4 | 46.9 | Kb |
| 9.1 | 11 19.0 | 7.0 | b |
| 8.3 | 38.5 | 22.5 | K |
| 9.0 | 12 27.9 | 48.0 | |
| 9.5 | 33.1 | 27.3 | |
| 8.8 | 13 31.4 | 54.5 | |
| 9.5 | 15 47.0 | 57.0 | |
| 9.5 | 50.3 | 12.9 | |
| 8.7 | 16 17.6 | 13.6 | K |
| 8.8 | 46.0 | 46.2 | K |
| 9.0 | 59.6 | 20.1 | K |
| 9.5 | 17 29.1 | 43.7 | |
| 6.0 | 57.3 | 44.5 | K |
| 9.5 | 18 4.1 | 16.0 | |
| 8.0 | 5.6 | 2.2 | L |
| 7.5 | 22.6 | 10.0 | K |
| 9.3 | 58.3 | 58.1 | a |
| 9.2 | 19 35.2 | 2.9 | |
| 9.4 | 48.1 | 45.6 | |
| 9.4 | 20 3.7 | 8.0 | B |
| 9.5 | 21 36.1 | 54.2 | |
| 5.7 | 22 11.7 | 54.4 | Kb |
| 9.3 | 56.4 | 42.7 | B |
| 7.5 | 23 49.5 | 35.6 | K |
| 7.3 | 24 37.2 | 4.8 | K |
| 8.9 | 25 23.4 | 3.7 | B |
| 9.3 | 27.7 | 36.0 | |
| 8.0 | 31.6 | 14 3 | K |
| 8.7 | 43.0 | 39.1 | |
| 9.2 | 26 30.4 | 44.6 | B |
| 9.4 | 38.0 | 45.6 | |
| 9.4 | 27 11.1 | 15.0 | |
| 9.5 | 49.2 | 9.4 | |
| 9.5 | 28 34.2 | 14.5 | |
| 8.8 | 29 30.5 | 27.0 | K |
| 8.8 | 30 55.6 | 29.7 | K |
| 8.8 | 31 18.7 | 36.4 | |
| 8.6 | 31.1 | 26.6 | K |
| | + | — | |
| 10pr. | 30.29 | 3.33 | |

2481—2540

| m | 12ª—13ª | +24° | |
|---|---|---|---|
| 8.8 | 33″ 1.9 | 21.4 | |
| 9.5 | 9.6 | 14.5 | |
| 9.5 | 40.0 | 58.6 | |
| 9.5 | 34 0.7 | 16.6 | |
| 9.4 | 35 0.1 | 40.3 | |
| 9.4 | 14.3 | 59.4 | |
| 9.1 | 58.4 | 3.6 | K |
| 8.6 | 36 16.1 | 48.0 | K |
| 8.0 | 37 54.0 | 23.3 | B |
| 8.8 | 38 39.4 | 1.4 | K |
| * | | | |
| 8.3 | 39 14.5 | 6.6 | K |
| 9.0 | 19.6 | 29.7 | |
| 6.5 | 25.7 | 56.5 | K |
| 9.3 | 59.6 | 30.7 | |
| 7.1 | 40 51.6 | 53.5 | Kb |
| 9.1 | 53.0 | 51.5 | B |
| 9.1 | 42 47.9 | 38.0 | b |
| 9.0 | 56.9 | 55.5 | B |
| 9.3 | 57.2 | 4.0 | |
| 9.3 | 57.5 | 6.0 | B |
| 9.5 | 43 0.2 | 3.6 | |
| 9.3 | 27.2 | 1.5 | |
| 9.5 | 50.5 | 32.2 | B |
| 9.5 | 44 46.1 | 15.7 | |
| 9.1 | 45 31.2 | 29.7 | Bb |
| 9.4 | 47 45.6 | 49.7 | |
| 9.5 | 55.7 | 25.9 | |
| 8.8 | 48 59.8 | 22.3 | |
| 9.3 | 49 45.6 | 59.9 | K |
| 9.5 | 50 49.1 | 20.0 | |
| 9.5 | 51 5.8 | 16.8 | |
| 9.5 | 7.0 | 30.6 | |
| 9.1 | 28.3 | 56.2 | ab |
| 9.1 | 32.3 | 2.8 | b |
| 9.5 | 52 17.7 | 26.6 | |
| 9.1 | 46.8 | 58.4 | Bb |
| 9.5 | 59.0 | 56.4 | |
| 8.9 | 53 4.0 | 29.6 | K |
| 9.5 | 6.5 | 46.6 | B |
| 9.5 | 9.4 | 54.4 | |
| 9.5 | 30.6 | 52.5 | |
| 7.5 | 33.2 | 26.4 | K |
| 9.5 | 39.3 | 7.7 | B |
| 9.3 | 53.9 | 54.4 | |
| 9.0 | 54 6.7 | 7.6 | |
| 9.3 | 9.3 | 23.4 | |
| 9.2 | 55 23.8 | 30.7 | |
| 6.8 | 28.1 | 16.8 | S |
| 8.5 | 30.6 | 5.3 | |
| 8.3 | 56 6.3 | 56.1 | Kb |
| 6.5 | 10.7 | 35.9 | L |
| 8.6 | 35.8 | 25.8 | K |
| 9.5 | 52.8 | 59.3 | |
| 9.4 | 57 55.0 | 13.8 | |
| 8.8 | 58 0.7 | 36.3 | K |
| 9.0 | 5.1 | 57.2 | |
| 8.6 | 44.3 | 37.8 | K |
| 9.5 | 0 24.7 | 38.6 | |
| 8.3 | 41.1 | 46.8 | B |
| 8.7 | 42.0 | 47.5 | L |
| | + | — | |
| 10pr. | 29.38 | 3.26 | |

2490 a

| | | | | |
|---|---|---|---|---|
| 9.6 | 38 | 53.5 | 27.4 | B |

2541—2600

| m | 13ª | +24° | |
|---|---|---|---|
| 9.1 | 0′ 52.0 | 24.3 | |
| 9.3 | 1 5.8 | 10.6 | Kb |
| 9.5 | 8.3 | 47.3 | |
| 9.3 | 27.2 | 36.2 | |
| 9.5 | 49.7 | 3.5 | |
| 8.0 | 2 18.7 | 41.3 | K |
| 9.5 | 31.6 | 34.1 | B |
| 9.5 | 42.3 | 16.9 | |
| 8.9 | 3 33.1 | 15.8 | Kb |
| 9.5 | 52.2 | 58.2 | |
| 9.2 | 5 21.0 | 18.1 | |
| 9.2 | 26.7 | 27.8 | |
| 9.4 | 49.6 | 42.3 | |
| 9.4 | 6 48.2 | 30.9 | |
| 9.5 | 7 7.8 | 57.0 | |
| 9.1 | 11.1 | 5.4 | K |
| 9.5 | 9 12.3 | 7.8 | |
| 9.3 | 23.5 | 57.6 | Kb |
| 8.6 | 10 34.0 | 24.3 | R |
| 9.1 | 11 27.4 | 6.3 | K |
| 9.5 | 12 15.6 | 42.6 | |
| 9.5 | 23.2 | 29.1 | |
| 8.3 | 53.5 | 23.6 | R |
| 9.5 | 13 3.7 | 9.8 | |
| 9.5 | 8.1 | 31.9 | |
| 9.1 | 23.4 | 22.5 | K |
| 9.2 | 48.6 | 42.5 | b |
| 9.5 | 57.4 | 15.3 | |
| 9.4 | 14 2.2 | 34.2 | |
| 8.3 | 13.1 | 15.0 | K |
| 9.5 | 23.2 | 17.7 | |
| 9.5 | 45.8 | 0.5 | |
| 9.5 | 15 17.0 | 8.5 | |
| 9.2 | 33.1 | 13.3 | |
| 9.4 | 16 22.5 | 26.0 | B |
| 9.5 | 17 56.4 | 40.3 | |
| 9.5 | 59.4 | 55.1 | a |
| 5.5 | 18 13.0 | 36.0 | K |
| 9.3 | 48.2 | 27.1 | |
| 9.5 | 19 3.7 | 15.3 | |
| 9.1 | 6.7 | 38.0 | b |
| 9.5 | 28.6 | 28.1 | |
| 8.2 | 33.5 | 18.5 | K |
| 8.4 | 20 2.8 | 14.1 | K |
| 9.4 | 40.7 | 20.5 | B |
| 9.4 | 21 31.0 | 57.3 | a |
| 8.7 | 45.0 | 2.5 | K |
| 8.6 | 47.9 | 20.1 | K |
| 9.5 | 22 30.2 | 4.6 | |
| 9.4 | 52.6 | 32.5 | |
| 9.3 | 23 3.2 | 10.1 | |
| 8.1 | 55.9 | 58.2 | K |
| 7.8 | 24 2.0 | 58.2 | Kb |
| 9.5 | 8.8 | 3.7 | |
| 9.3 | 45.5 | 7.4 | |
| 9.5 | 26 47.9 | 30.9 | |
| 9.4 | 27 22.2 | 45.0 | |
| 9.5 | 28.7 | 57.4 | a |
| 9.1 | 41.6 | 22.5 | b |
| 9.5 | 49.0 | 57.8 | |
| | + | — | |
| 10pr. | 28.78 | 3.17 | |

| m | 2601—2660 13ª | +24° | | m | 2661—2720 13ª—14ª | +24° | | m | 2721—2780 14ª | +24° | | m | 2781—2840 14ª—15ª | +24° | | m | 2841—2900 15ª | +24° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | |
| 9.3 | 28 21.5 | 47.3 | B | 9.3 | 48 18.8 | 4.2 | | 9.4 | 14 12.1 | 46.0 | | 9.1 | 42 22.3 | 55.3 | Kb | 9.4 | 11 22.1 | 39.1 | |
| 9.3 | 51.6 | 47.1 | B | 9.4 | 22.9 | 2.8 | | 9.5 | 30.8 | 3.5 | | 9.1 | 23.9 | 51.5 | | 9.4 | 56.4 | 38.3 | B |
| 9.3 | 56.8 | 42.4 | | 8.8 | 38.2 | 34.9 | | 7.7 | 38.8 | 49.6 | R | 8.5 | 28.3 | 9.6 | K | 9.4 | 12 12.0 | 23.9 | |
| 7.4 | 29 16.5 | 39.8 | K | 9.5 | 49 12.4 | 55.3 | | 8.7 | 15 4.1 | 48 6 | K | 9.5 | 43 20.3 | 41.6 | | 9.3 | 14.5 | 27.9 | Bb |
| 9.1 | 47.2 | 19.0 | | 9.5 | 24.1 | 30.9 | B | 8.2 | 35.2 | 18.3 | R | 9.3 | 27.8 | 31.6 | | 9.5 | 49.2 | 39.2 | |
| 9.5 | 49.7 | 35.6 | | 8.8 | 50 1.0 | 16.1 | K | 9.5 | 37.1 | 40.4 | | 5.8 | 46.3 | 31.3 | K | 9.5 | 13 25.3 | 8.5 | |
| 8.7 | 30 10.5 | 2.6 | | 9.4 | 6.0 | 26.1 | | 9.3 | 16 8.7 | 44.9 | | 9.5 | 46.6 | 7.9 | | 9.0 | 40.2 | 8.9 | K |
| 9.1 | 31 30.6 | 19.1 | R | 8.4 | 34.8 | 5.4 | Rb | 8.0 | 24.1 | 46.7 | Kb | 9.3 | 44 38.2 | 19.6 | | 9.5 | 46.9 | 9.0 | a |
| 9.5 | 39.2 | 18.1 | | 9.1 | 36.9 | 20.3 | B | 9.4 | 56.0 | 26.7 | | 9.3 | 45 2.8 | 23.0 | | 9.5 | 55.4 | 18.9 | |
| 9.0 | 59.7 | 16.0 | | 8.1 | 44.0 | 15.5 | K | 9.0 | 17 18.1 | 55.9 | | 6.8 | 46 2.7 | 22.7 | K | 7.0 | 15 18.1 | 51.7 | Kb |
| 7.6 | 32 4.8 | 59.1 | L | 8.3 | 51 32.0 | 40.3 | K | 9.1 | 18 41.8 | 20.3 | | 9.5 | 14.9 | 12.1 | B | 9.4 | 29.4 | 8.4 | |
| 7.0 | 7.7 | 51.8 | Lb | 9.5 | 37.3 | 51.7 | | 9.5 | 19 0.4 | 25.4 | | 9.5 | 47 40.4 | 35.5 | | 9.5 | 47.9 | 57.4 | |
| 9.4 | 21.2 | 13.9 | | 9.5 | 52 33.3 | 31.5 | B | 9.0 | 0.8 | 19.0 | | 9.5 | 59.8 | 2.2 | | 9.1 | 16 1.2 | 55.1 | Kb |
| 9.5 | 45.7 | 40.5 | | 9.2 | 53 9.0 | 55.0 | a | 9.0 | 13.0 | 16.5 | | 8.7 | 48 1.7 | 10.4 | K | 9.5 | 56.7 | 29.9 | |
| 9.2 | 52.5 | 4.2 | K | 9.0 | 10.2 | 0.9 | | 9.5 | 21 15.7 | 29.3 | | 9.2 | 25.2 | 45.4 | L | 8.9 | 17 44.3 | 32.0 | |
| 9.5 | 33 4.1 | 56.6 | | 9.5 | 50.1 | 4.1 | | 9.5 | 22 5.3 | 44.0 | | 7.8 | 26.4 | 12.0 | K | 8.7 | 57.8 | 32.3 | Lb |
| 9.5 | 21.2 | 58.2 | | 9.5 | 54 28.1 | 18.3 | | 9.0 | 23 23.7 | 46.1 | Kb | 9.3 | 49 30 3 | 13.9 | B | 9.5 | 18 16.5 | 17.5 | |
| 9.4 | 34 12.2 | 24.7 | | 9.4 | 55 21.0 | 43.0 | | 9.5 | 43.2 | 46.1 | | 6.7 | 36.3 | 59.3 | Kb | 9.5 | 36.9 | 28.3 | |
| 9.4 | 15.5 | 2.7 | B | 9.4 | 56 3.3 | 10.3 | B | 9.5 | 25 25.4 | 17.6 | Bb | 9.5 | 50 4.0 | 9.9 | | 9.5 | 19 4.8 | 29.2 | |
| 9.1 | 20.8 | 13.9 | K | 9.1 | 38.0 | 51.0 | ab | 7.8 | 28 34.2 | 10.8 | L | 9.4 | 39.8 | 38.8 | | 9.4 | 10.4 | 2.2 | |
| 9.5 | 35 6.2 | 50.4 | | 9.5 | 50.8 | 56.0 | | 9.5 | 29 9.1 | 9.0 | | 9.5 | 51 0.0 | 24.0 | | 9.5 | 55.6 | 7.5 | |
| 9.0 | 29.1 | 56.1 | K | 9.4 | 51.2 | 5.3 | | 9.4 | 22.8 | 6.2 | B | 9.5 | 32.2 | 4.6 | | 8.2 | 20 24.2 | 5.2 | L |
| 9.5 | 42.6 | 13.8 | | 9.4 | 57 59.6 | 46.9 | | 8.3 | 25.1 | 51.2 | K | 6.8 | 52 24.7 | 44.7 | K | 9.5 | 43.1 | 33.0 | |
| 7.1 | 45.0 | 3.5 | R | 9.2 | 58 10.2 | 59.4 | Kb | 7.8 | 43.8 | 38.0 | K | 9.5 | 53 3.5 | 41.9 | | 8.4 | 46.8 | 23.7 | |
| 9.3 | 36 27.9 | 2.2 | | 7.8 | 59 37.7 | 5.8 | Kb | 7.8 | 59.3 | 15.4 | K | 9.4 | 21.7 | 1.5 | | 9.5 | 50.5 | 22.1 | |
| 9.0 | 51.4 | 13.2 | | 9.4 | 53.6 | 47.5 | | 9.3 | 31 31.8 | 41.6 | B | 9.5 | 29.3 | 38.5 | | 8.7 | 21 42.3 | 10.0 | K |
| 8.8 | 37 17.3 | 5.4 | B | 9.0 | 0 9.1 | 40.0 | K | 9.2 | 37.9 | 57.0 | | 9.4 | 57.1 | 58.1 | | 8.2 | 45.1 | 2.0 | B |
| 9.5 | 43.2 | 41.5 | | 9.3 | 45.2 | 13.5 | | 9.4 | 56.5 | 32.8 | | 9.5 | 54 31.3 | 29.5 | | 9.1 | 58.0 | 9.0 | B |
| 8.0 | 45.6 | 23.6 | S | 9.2 | 1 1.1 | 26.5 | K | 9.5 | 32 5.0 | 9.1 | | 9.3 | 37.6 | 21.5 | | 8.1 | 22 4.6 | 11.8 | K |
| 9.4 | 39 9.9 | 44.8 | | 9.5 | 41.9 | 10.2 | | 9.0 | 7.3 | 34.1 | L | 9.0 | 52.9 | 25.5 | B | 8.9 | 8.0 | 4.0 | K |
| 9.5 | 21.2 | 56.9 | B | 9.1 | 49.6 | 21.5 | | 9.5 | 37.8 | 41.0 | | 8.7 | 55 53.4 | 56.5 | | 9.5 | 23.6 | 50.1 | |
| 9.4 | 29.7 | 30.1 | B | 9.5 | 2 16.7 | 48.7 | | 9.1 | 44.4 | 10.2 | b | 9.5 | 56 9.3 | 21.3 | | 9.5 | 39.1 | 57.7 | B |
| 9.5 | 30.6 | 5.8 | B | 9.5 | 19.1 | 30.1 | | 9.3 | 33 22.1 | 58.3 | a | 9.5 | 33.7 | 20.3 | | 6.9 | 23 36.2 | 19.5 | L |
| 9.5 | 39 2 | 48.4 | | 8.9 | 3 18.3 | 32.7 | K | 9.1 | 28.4 | 9.0 | | 8.5 | 37.8 | 33.4 | K | 7.3 | 51.8 | 15.1 | K |
| 9.1 | 40.0 | 52.9 | K | 9.5 | 29.6 | 29.3 | | 9.5 | 36.7 | 12.7 | | 9.4 | 57 34.1 | 8.5 | | 9.2 | 24 50.3 | 56.5 | ab |
| 9.5 | 40 19.7 | 56.6 | | 9.5 | 44.0 | 39.6 | | 9.5 | 34 13.2 | 28.9 | | 9.5 | 59 5.8 | 59.1 | | 9.2 | 25 17.4 | 24.3 | |
| 8.3 | 41 8.0 | 51.1 | K | 9.0 | 4 13.7 | 53.7 | L | 8.9 | 48.3 | 20.9 | | 8.7 | 34.5 | 39.9 | L | 9.4 | 18.5 | 20.7 | |
| 9 5 | 23.2 | 8.0 | | 8.9 | 24.7 | 23.7 | | 9.3 | 49.2 | 41.5 | | 9.1 | 0 33.7 | 21.0 | | 9.2 | 19.5 | 32.5 | B |
| 9.1 | 29.6 | 19.8 | | 9.4 | 59.2 | 8.9 | | 9.4 | 52.9 | 55.4 | B | 9.5 | 44.3 | 45.7 | | 9.3 | 29.9 | 8.5 | |
| 9.3 | 32.1 | 48.4 | K | 8.5 | 6 4.1 | 30.3 | K | 8.7 | 35 12.7 | 49.7 | L | 9.3 | 1 12.7 | 41.0 | B | 9.0 | 46.8 | 35.3 | L |
| 7.8 | 37.8 | 9.5 | K | 9.4 | 23.2 | 8.7 | | 9.5 | 36 16.8 | 40.9 | | 9.4 | 44.8 | 27.9 | | 8.9 | 53.2 | 0.6 | |
| 9.5 | 50.2 | 54.3 | | 9.4 | 23.3 | 38.7 | | 9.5 | 37 21.3 | 29.9 | | 9.1 | 2 19.1 | 46.1 | | 8.5 | 26 19.4 | 21.6 | K |
| 9.4 | 51.5 | 40.3 | B | 9.5 | 29.5 | 33.9 | | 9.4 | 29.4 | 0.3 | | 9.0 | 31.2 | 46.0 | K | 9.2 | 21.5 | 14.7 | |
| 9.1 | 53.2 | 46.0 | K | 9.0 | 29.7 | 1.4 | | 9.3 | 31.2 | 23.4 | | 9.1 | 46.3 | 33.7 | | 8.0 | 58.7 | 43.6 | K |
| 9.5 | 42 29.9 | 59.3 | a | 9.0 | 38.7 | 24.5 | K | 9.5 | 38 1.7 | 44.3 | | 9.5 | 4 40.8 | 59.8 | | 9.4 | 27 30.8 | 37.8 | |
| 9.5 | 43 30.1 | 5.3 | | 9.4 | 47.4 | 34.9 | B | 8.8 | 29 1 | 8.1 | K | 9.5 | 42.1 | 14.6 | | 8.9 | 45.3 | 46.3 | L |
| 9.4 | 41.7 | 17.0 | | 6.5 | 8 25.1 | 22.1 | K | 9.4 | 45.8 | 20.3 | | 9.5 | 59.9 | 33.0 | | 8.4 | 55.9 | 7.0 | L |
| 9.1 | 46.7 | 21.8 | | 9.2 | 49.5 | 44.8 | K | 9.3 | 51.7 | 34.5 | B | 9.5 | 5 3.1 | 7.5 | B | 9.0 | 59.1 | 27.5 | |
| 8.3 | 44 11.1 | 21.8 | B | 8.7 | 9 36.7 | 2.3 | | 9.5 | 39 9.3 | 56.3 | | 8.7 | 17.8 | 47.5 | K | 9.4 | 29 5.1 | 53.2 | B |
| 8.5 | 14.2 | 29.1 | | 9.2 | 55.6 | 7.5 | | 8.8 | 24.7 | 20.3 | L | 9.3 | 7 18.5 | 23.5 | b | 9.4 | 28.6 | 20.3 | |
| 9.5 | 45 1.2 | 31.5 | | 8.5 | 57.4 | 9.0 | B | 9.0 | 40 0.7 | 13.2 | K | 9.1 | 8 7.1 | 57.0 | Kb | 9.4 | 41.2 | 20.3 | B |
| 8.5 | 24.0 | 2.4 | K | 8.9 | 10 21.4 | 52.7 | K | 9.5 | 5.5 | 6.3 | | 9.5 | 14.2 | 35.4 | | 8.9 | 44.1 | 41.5 | |
| 9.5 | 31.1 | 49.1 | | 9.3 | 25.5 | 17.7 | | 9.4 | 29.3 | 34.4 | a | 9.4 | 9 24.2 | 5.3 | | 9.5 | 30 6.0 | 10.8 | |
| 7.5 | 51.6 | 17.7 | L | 8.9 | 11 20.3 | 17.0 | | 9.3 | 38.5 | 26.1 | | 9.3 | 24.6 | 54.2 | a | 8.3 | 26.4 | 20.4 | K |
| 8.9 | 46 0.5 | 9.7 | K | 9.0 | 44.6 | 40.6 | Kb | 8.3 | 50.7 | 23.4 | K | 9.5 | 57.4 | 52.5 | | 9.5 | 34.9 | 50.2 | |
| 8.1 | 3.5 | 3.9 | K | 9.5 | 12 22.5 | 1.4 | | 7.5 | 41 11.8 | 42.2 | B | 9.4 | 10 2.1 | 9.3 | | 9.5 | 35.4 | 59.7 | |
| 9.5 | 12.4 | 56.1 | | 9.4 | 26.6 | 45.9 | | 9.3 | 30.7 | 46.4 | B | 9.5 | 8.1 | 11.7 | | 9.3 | 31 7.1 | 14.9 | |
| 7.7 | 39.8 | 53.2 | K | 9.2 | 44.5 | 60.1 | a | 8.3 | 37.0 | 6.2 | Kb | 8.0 | 9.0 | 4.5 | K | 9.5 | 12.3 | 52.8 | |
| 9.0 | 42.2 | 52.2 | Kb | 8.0 | 13 3.9 | 10.8 | Rb | 6.1 | 58.6 | 57.9 | K | 9.3 | 23.5 | 54.0 | | 9.2 | 24.8 | 47.9 | K |
| 8.9 | 47 32.1 | 12.9 | | 9.5 | 16.6 | 14.2 | | 9.3 | 42 5.7 | 34.2 | | 9.5 | 11 5.9 | 3.4 | | 9.5 | 45.8 | 41.8 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 28.16 | 3.03 | | 10pr. | 27.63 | 2.88 | | 10pr. | 26.96 | 2.63 | | 10pr. | 26.50 | 2.41 | | 10pr. | 26.01 | 2.12 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ª | | +24° | | | 15ª—16ª | | +24° | | | 16ª | | +24° | | | 16ª—17ª | | +24° | | | 17ª | | +24° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 7.4 | 32 | 3.4 | 59.9 | B | 9.5 | 56 | 50.9 | 51.9 | | 8.5 | 26 | 19.8 | 12.2 | | 9.5 | 48 | 40.0 | 22.6 | | 7.2 | 5 | 17.4 | 27.0 | L |
| 9.5 | | 15.5 | 28.6 | | 9.4 | 57 | 27.1 | 53.6 | B | 9.0 | | 21.7 | 57.3 | K | 8.9 | | 40.1 | 6.4 | | 9.2 | | 37.8 | 1.7 | K |
| 9.4 | | 20.0 | 30.4 | | 9.5 | | 28.5 | 45.6 | | 9.2 | | 45.3 | 33.5 | *b* | 8.2 | 49 | 1.0 | 28.7 | K | 9.2 | | 44.9 | 53.4 | Kb |
| 9.5 | 33 | 4.8 | 6.6 | | 8.6 | | 30.3 | 36.3 | | 9.4 | 27 | 6.8 | 51.0 | *a* | 9.5 | | 20.8 | 5.8 | B | 9.3 | | 57.3 | 33.3 | B |
| 9.5 | | 28.5 | 44.5 | | 8.5 | | 43.0 | 39.4 | | 9.5 | 28 | 20.4 | 2.0 | | 9.5 | | 31.8 | 5.5 | B | 8.9 | 6 | 20.2 | 53.8 | K |
| 9.5 | | 33.1 | 5.1 | | 8.9 | | 46.0 | 46.6 | | 9.5 | | 27.3 | 9.4 | | 9.4 | | 37.4 | 9.3 | | 9.4 | | 39.3 | 1.2 | |
| 9.5 | | 41.4 | 50.8 | | 9.3 | 58 | 26.1 | 44.5 | | 8.8 | | 29.8 | 56.6 | B | 9.4 | | 46.3 | 4.3 | B | 9.3 | | 40.3 | 49.2 | |
| 9.3 | | 53.3 | 11.5 | | 9.4 | 59 | 50.4 | 51.9 | | 9.3 | | 49.0 | 53.7 | *Kb* | 8.3 | 50 | 0.9 | 44.3 | K | 9.0 | | 41.6 | 2.6 | Kb |
| 9.5 | 34 | 51.1 | 30.8 | *b* | 9.3 | 0 | 36.3 | 39.9 | B | 9.3 | 29 | 19.2 | 36.2 | B | 8.8 | | 11.7 | 2.3 | | 9.5 | | 52.5 | 25.7 | |
| 9.5 | | 55.0 | 56.1 | | 9.4 | | 41.1 | 44.6 | | 9.4 | | 25.0 | 40.1 | B | 9.5 | | 24.5 | 40.5 | | 9.1 | 7 | 43.9 | 25.7 | *b* |
| 9.3 | 35 | 33.3 | 1.5 | B | 9.3 | | 44.1 | 46.1 | | 8.0 | | 35.9 | 37.4 | L | 8.7 | | 25.2 | 30.8 | K | 9.2 | | 58.9 | 3.8 | *a* |
| 9.3 | 36 | 19.0 | 32.8 | | 8.3 | | 55.5 | 49.4 | K | 9.1 | | 54.5 | 33.2 | *b* | 9.4 | | 35.5 | 35.3 | B | 9.5 | | 59.5 | 30.2 | |
| 9.5 | | 57.5 | 18.6 | | 9.3 | 1 | 38.5 | 29.0 | | 9.5 | 30 | 59.4 | 44.9 | | 9.4 | | 59.9 | 18.2 | | 9.4 | 8 | 19.5 | 2.0 | |
| 7.3 | 37 | 56.0 | 55.4 | K | 9.5 | 3 | 9.3 | 11.2 | B | 9.4 | 31 | 15.6 | 6.1 | | 8.5 | 51 | 2.0 | 25.7 | K | 8.0 | | 47.0 | 14.7 | K |
| 9.1 | 38 | 32.2 | 5.8 | *b* | 9.3 | | 29.5 | 19.7 | | 9.1 | | 33.5 | 33.2 | *b* | 6.5 | | 41.3 | 36.6 | L | 9.4 | 9 | 6.1 | 41.4 | |
| 9.4 | | 42.2 | 0.9 | | 9.3 | | 48.4 | 47.6 | | 9.2 | 32 | 16.1 | 7.8 | K | 9.4 | 52 | 29.0 | 8.4 | B | 9.4 | | 26.8 | 54.0 | *a* |
| 8.6 | | 52.0 | 48.8 | K | 8.5 | 5 | 15.0 | 11.2 | | 8.4 | | 57.0 | 40.1 | K | 8.4 | | 43.8 | 1.6 | K | 9.3 | 10 | 14.8 | 22.0 | |
| 8.4 | 39 | 21.1 | 6.9 | K | 9.5 | | 22.7 | 23.5 | B | 7.4 | 33 | 4.6 | 59.4 | *Rb* | 9.5 | 53 | 3.5 | 38.7 | | 9.4 | | 34.9 | 35.1 | |
| 8.8 | | 24.0 | 32.5 | | 9.5 | | 26.9 | 59.8 | | 9.0 | | 10.5 | 42.8 | K | 8.7 | | 20.0 | 41.8 | K | 9.0 | 11 | 16.6 | 47.4 | K |
| 9.2 | | 26.5 | 55.4 | *a* | 9.5 | 6 | 54.2 | 37.7 | | 9.5 | | 12.1 | 59.2 | B | 9.6 | | 23.1 | 52.9 | | 9.5 | | 46.1 | 9.4 | |
| 9.2 | 40 | 2.2 | 56.5 | *Kb* | 9.3 | 7 | 33.8 | 47.9 | | 9.5 | | 30.0 | 1.0 | | 7.7 | | 39.9 | 26.0 | K | 9.4 | | 54.6 | 3.3 | *b* |
| 9.3 | 42 | 11.6 | 45.0 | *Bb* | 9.4 | 8 | 5.1 | 31.8 | | 9.5 | 34 | 15.2 | 4.4 | | 9.5 | 54 | 7.9 | 35.3 | | 9.2 | 12 | 17.8 | 47.8 | |
| 9.4 | | 25.2 | 44.9 | B | 9.2 | | 15.1 | 30.6 | *Bb* | 9.4 | | 27.2 | 49.8 | | 9.5 | | 10.5 | 48.7 | | 9.5 | 13 | 24.8 | 23.6 | |
| 9.5 | | 54.0 | 26.9 | | 8.9 | 9 | 1.7 | 53.8 | *Kb* | 9.0 | 35 | 25.4 | 19.5 | | 8.0 | | 40.4 | 38.1 | K | 9.0 | | 50.5 | 57.7 | Kb |
| 9.5 | 43 | 0.5 | 58.1 | *a* | 8.8 | | 40.9 | 25.6 | | 9.4 | 36 | 16.0 | 2.4 | B | 8.5 | 55 | 50.0 | 34.6 | L | 9.5 | | 56.1 | 47.8 | |
| 7.3 | | 25.6 | 7.8 | K | 9.4 | | 47.1 | 5.4 | B | 9.5 | | 49.6 | 36.7 | | 8.5 | | 54.6 | 2.0 | K | 9.5 | 14 | 25.4 | 4.8 | |
| 9.5 | | 46.5 | 45.9 | | 8.9 | | 53.8 | 38.0 | | 9.1 | 37 | 47.0 | 25.3 | *b* | 9.4 | 56 | 24.0 | 17.9 | B | 6.0 | | 56.0 | 37.7 | Kb |
| 9.3 | 45 | 3.0 | 49.8 | | 9.5 | 11 | 3.7 | 19.1 | | 8.1 | 38 | 24.7 | 4.3 | L | 9.3 | | 38.0 | 3.0 | K | 9.0 | 15 | 7.8 | 40.6 | K |
| 9.3 | | 15.0 | 28.0 | *b* | 9.5 | 12 | 11.4 | 7.5 | | 9.2 | | 41.1 | 6.7 | | 9.5 | | 49.9 | 36.0 | | 9.3 | | 10.2 | 55.1 | *a* |
| 9.4 | | 53.5 | 23.9 | | 8.7 | | 34.2 | 9.8 | K | 8.1 | 39 | 17.9 | 50.6 | K | 9.5 | 57 | 24.1 | 6.8 | | 9.4 | | 38.7 | 59.0 | *a* |
| 9.3 | 46 | 50.5 | 23.3 | | 9.2 | | 46.0 | 49.1 | *b* | 9.4 | | 52.7 | 12.6 | | 9.5 | | 43.3 | 37.4 | | 9.1 | 16 | 33.8 | 12.7 | K |
| 9.4 | | 59.4 | 45.5 | B | 9.2 | 13 | 42.5 | 23.5 | R | 9.1 | 40 | 0.8 | 23.0 | *Bb* | 9.0 | | 51.5 | 17.5 | | 9.4 | | 50.1 | 36.1 | |
| 8.9 | 47 | 39.5 | 22.5 | | 9.1 | | 44.0 | 0.8 | K | 8.8 | | 14.7 | 53.5 | K | 9.5 | 58 | 18.7 | 17.8 | | 9.3 | 17 | 6.2 | 30.3 | |
| 9.5 | 48 | 3.1 | 22.9 | | 9.5 | 14 | 1.5 | 2.9 | | 9.3 | | 24.5 | 38.4 | | 9.3 | | 49.4 | 6.1 | | 9.5 | | 12.1 | 10.9 | |
| 9.5 | | 9.5 | 35.3 | | 9.1 | | 10.6 | 56.8 | *ab* | 9.5 | | 36.5 | 9.9 | | 8.7 | | 57.7 | 19.9 | K | 9.2 | | 30.7 | 33.5 | B |
| 9.3 | | 39.2 | 27.0 | | 9.5 | 15 | 53.3 | 0.1 | | 9.3 | 41 | 5.4 | 23.0 | | 9.2 | 59 | 0.0 | 27.1 | | 9.4 | | 31.9 | 8.1 | B |
| 9.5 | 49 | 25.5 | 11.8 | | 9.3 | 17 | 3.5 | 1.7 | B | 9.5 | | 10.2 | 22.6 | | 9.5 | | 4.0 | 29.9 | | 9.3 | | 40.7 | 39.5 | Kb |
| 8.8 | | 32.4 | 35.6 | | 9.0 | | 16.9 | 17.1 | K | 8.6 | 42 | 31.9 | 23.2 | K | 9.5 | | 7.5 | 40.5 | | 9.5 | 18 | 51.3 | 48.4 | |
| 9.5 | | 37.5 | 41.5 | | 9.2 | | 18.5 | 59.2 | K | 9.5 | | 51.0 | 44.2 | | 9.5 | | 44.4 | 27.1 | | 9.5 | 19 | 10.1 | 37.8 | |
| 9.5 | | 45.0 | 2.9 | | 9.3 | | 34.0 | 59.0 | B | 8.9 | | 51.7 | 31.2 | K | 9.5 | 0 | 12.1 | 2.5 | | 9.0 | | 54.4 | 22.0 | K |
| 8.5 | 50 | 16.5 | 45.9 | K | 9.3 | 18 | 2.5 | 56.0 | *a* | 9.5 | 44 | 30.8 | 50.0 | | 8.0 | | 33.2 | 9.5 | K | 8.5 | 20 | 14.4 | 15.3 | K |
| 9.1 | | 24.6 | 33.2 | | 9.1 | | 11.6 | 27.0 | R | 9.5 | | 31.4 | 37.7 | | 9.4 | 1 | 13.9 | 28.1 | | 8.5 | | 17.1 | 13.6 | K |
| 9.4 | | 33.5 | 38.3 | | 7.7 | 19 | 1.2 | 23.9 | R | 9.5 | | 46.1 | 12.0 | | 9.4 | | 38.7 | 57.8 | *a* | 9.1 | | 17.1 | 23.8 | B |
| 9.2 | | 50.3 | 9.7 | | 9.1 | | 4.5 | 20.5 | R | 9.5 | 45 | 3.7 | 7.1 | | 8.0 | | 46.0 | 47.0 | K | 8.5 | | 21.3 | 26.1 | K |
| 9.0 | | 55.6 | 9.9 | | 9.5 | | 24.7 | 52.8 | | 9.0 | | 15.0 | 21.5 | | 9.5 | 2 | 18.9 | 12.7 | | 9.1 | | 55.3 | 20.0 | |
| 9.5 | 51 | 24.1 | 20.5 | | 8.4 | | 34.0 | 53.4 | *Bb* | 8.3 | | 15.9 | 41.7 | K | 9.5 | | 28.4 | 55.2 | *a* | 9.5 | 21 | 26.8 | 7.5 | |
| 7.8 | | 41.7 | 48.8 | K | 9.3 | 20 | 35.2 | 25.6 | | 9.4 | | 28.0 | 33.7 | B | 6.5 | | 34.4 | 40.8 | *Kb* | 9.4 | | 47.0 | 6.9 | |
| 9.1 | | 56.0 | 47.7 | | 8.8 | | 49.8 | 33.2 | | 9.1 | | 35.2 | 54.7 | K | 9.5 | 3 | 9.0 | 37.0 | | 8.7 | 22 | 17.3 | 11.2 | K |
| 9.5 | 52 | 32.6 | 16.8 | | 9.5 | 21 | 32.2 | 29.1 | | 5.3 | | 44.9 | 54.8 | *Kb* | 9.5 | | 11.2 | 42.5 | | 9.5 | | 21.6 | 7.4 | |
| 9.4 | | 47.2 | 12.7 | B | 8.7 | | 53.3 | 10.0 | | 9.5 | 46 | 38.5 | 9.8 | | 9.5 | | 20.5 | 42.2 | | 9.5 | | 50.8 | 42.7 | |
| 9.5 | 53 | 16.3 | 20.1 | | 9.3 | 22 | 6.5 | 53.7 | *a* | 9.4 | | 42.9 | 32.3 | B | 8.9 | | 24.5 | 34.3 | K | 9.2 | 23 | 29.1 | 3.2 | K |
| 8.8 | | 32.7 | 0.4 | B | 9.5 | | 8.2 | 30.8 | | 9.5 | | 43.7 | 47.7 | | 9.5 | | 30.7 | 3.0 | | 8.8 | | 38.7 | 47.8 | K |
| 9.4 | | 49.1 | 54.2 | B | 8.5 | | 54.5 | 15.2 | K | 9.0 | | 43.9 | 44.6 | K | 8.5 | 4 | 9.5 | 13.0 | K | 8.9 | | 43.8 | 57.0 | |
| 7.5 | | 51.4 | 41.8 | K | 9.4 | 23 | 12.0 | 6.8 | | 9.5 | 47 | 9.3 | 55.7 | | 9.4 | | 17.0 | 28.7 | B | 9.5 | | 55.9 | 59.8 | |
| 9.5 | 54 | 2.0 | 53.8 | B | 9.5 | | 53.4 | 2.7 | | 9.5 | | 19.6 | 40.2 | | 9.0 | | 21.5 | 17.8 | K | 9.5 | | 57.2 | 56.8 | |
| 9.3 | | 39.6 | 4.4 | | 8.5 | 24 | 6.2 | 11.5 | K | 9.3 | | 24.5 | 44.5 | B | 9.1 | | 27.0 | 24.7 | B | 9.5 | 24 | 26.3 | 59.5 | *a* |
| 8.7 | | 52.7 | 51.9 | K | 9.3 | | 35.0 | 4.4 | B | 8.6 | | 27.0 | 10.5 | | 8.2 | | 40.5 | 41.8 | K | 8.0 | | 40.4 | 8.9 | K |
| 9.4 | | 53.1 | 54.7 | | 9.5 | | 37.9 | 5.6 | | 9.4 | | 51.5 | 45.0 | | 9.5 | | 42.4 | 47.3 | | 9.5 | | 58.0 | 35.4 | |
| 9.4 | 55 | 39.3 | 41.3 | B | 8.1 | | 53.8 | 18.0 | B | 9.3 | 48 | 27.3 | 43.7 | | 9.2 | | 50.7 | 56.8 | *a* | 8.8 | 25 | 9.0 | 1.1 | K |
| 9.5 | | 59.7 | 16.0 | | 9.0 | 25 | 55.4 | 57.9 | | 9.1 | | 36.9 | 45.7 | K | 6.2 | 5 | 2.5 | 26.0 | L | 9.1 | | 9.3 | 55.4 | *a* |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *25.63* | *1.85* | | *10pr.* | | *25.28* | *1.51* | | *10pr.* | | *24.99* | *1.15* | | *10pr.* | | *24.85* | *0.90* | | *10pr.* | | *24.74* | *0.63* | |

3201—3260

| | 17ᵃ | +24° | |
|---|---|---|---|
| m | | | |
| 9.3 | 25′ 18.2 | 53.1 | a |
| 9.4 | 45.5 | 27.0 | |
| 9.1 | 49.3 | 30.5 | B |
| 9.1 | 58.1 | 57.8 | ab |
| 9.0 | 26 35.3 | 22.3 | |
| 8.0 | 27 9.0 | 1.6 | B |
| 9.4 | 29.1 | 9.7 | |
| 9.3 | 28 20.6 | 50.6 | a |
| 9.5 | 32.0 | 21.0 | |
| 9.0 | 29 8.3 | 35.8 | B |
| 8.2 | 9.5 | 3.1 | K |
| 7.3 | 12.4 | 27.1 | K |
| 8.9 | 39.4 | 23.7 | |
| 9.5 | 59.8 | 33.0 | |
| 8.2 | 31 0.1 | 37.7 | L |
| 8.6 | 4.8 | 26.7 | K |
| 8.8 | 28.6 | 2.5 | K |
| 6.0 | 33.4 | 23.7 | K |
| 9.5 | 32 11.1 | 22.0 | |
| 8.9 | 17.1 | 35.4 | |
| 9.1 | 33 16.8 | 28.9 | |
| 9.5 | 41.9 | 44.0 | |
| 8.1 | 42.4 | 29.6 | K |
| 9.3 | 34 18.8 | 37.5 | |
| 6.3 | 35 8.8 | 35.4 | K |
| 9.0 | 11.9 | 32.8 | B |
| 9.3 | 41.2 | 1.5 | |
| 7.8 | 44.8 | 38.9 | K |
| 9.0 | 36 22.8 | 31.6 | L |
| 9.5 | 30.8 | 8.6 | |
| 6.0 | 31.7 | 38.5 | Kb |
| 9.5 | 50.9 | 16.8 | |
| 8.9 | 37 8.4 | 24.9 | K |
| 9.4 | 14.4 | 3.3 | |
| 8.2 | 15.7 | 50.9 | L |
| 9.3 | 20.5 | 37.8 | |
| 6.2 | 23.8 | 24.0 | Kb |
| 9.1 | 35.1 | 13.0 | |
| 9.3 | 41.4 | 21.3 | |
| 9.0 | 55.5 | 7.9 | K |
| 9.1 | 57.6 | 46.4 | |
| 9.4 | 38 11.4 | 8.6 | |
| 9.5 | 18.5 | 22.7 | |
| 9.5 | 33.4 | 26.7 | |
| 9.3 | 43.9 | 12.7 | B |
| 9.5 | 45.8 | 28.0 | |
| 9.4 | 39 1.7 | 27.7 | B |
| 9.1 | 22.7 | 53.3 | K |
| 9.0 | 26.7 | 44.7 | K |
| 9.4 | 40 20.5 | 10.3 | |
| 9.4 | 34.4 | 4.7 | |
| 8.9 | 45.0 | 55.4 | K |
| 8.5 | 54.8 | 23.2 | K |
| 7.7 | 41 24.5 | 18.2 | K |
| 8.7 | 47.9 | 55.0 | K |
| 9.4 | 58.0 | 28.5 | |
| 9.3 | 42 32.0 | 27.7 | |
| 9.3 | 34.5 | 26.4 | |
| 9.3 | 43 4.8 | 55.0 | a |
| 9.2 | 6.5 | 5.1 | |
| 10pr. | + 24.66 | — 0.34 | |

3261—3320

| | 17ᵃ | +24° | |
|---|---|---|---|
| m | | | |
| 9.4 | 43′ 17.8 | 50.2 | a |
| 9.3 | 17.8 | 55.2 | a |
| 8.3 | 19.9 | 13.5 | L |
| 7.1 | 44 4.2 | 30.0 | L |
| 9.5 | 19.5 | 14.3 | |
| 9.5 | 25.6 | 13.5 | B |
| 9.5 | 45.7 | 2.4 | |
| 9.5 | 45 13.0 | 40.4 | |
| 9.5 | 36.4 | 20.0 | |
| 8.5 | 36.7 | 42.5 | K |
| 7.2 | 46 4.5 | 20.6 | K |
| 9.5 | 8.0 | 29.6 | |
| 9.5 | 25.0 | 9.1 | |
| 9.1 | 30.2 | 51.0 | Kb |
| 8.0 | 47 39.7 | 48.3 | L |
| 8.4 | 48 36.7 | 17.6 | K |
| 8.5 | 49 9.7 | 15.2 | K |
| 8.1 | 44.2 | 29.3 | K |
| 9.5 | 50.6 | 2.9 | B |
| 9.3 | 53.0 | 50.7 | |
| 9.0 | 50 47.9 | 18.4 | |
| 9.4 | 51 7.7 | 42.1 | |
| 6.5 | 16.0 | 1.8 | K |
| 9.1 | 24.9 | 8.4 | K |
| 8.8 | 52 8.2 | 33.5 | L |
| 9.4 | 9.0 | 48.3 | |
| 9.4 | 18.1 | 27.5 | B |
| 9.4 | 38.0 | 10.0 | |
| 9.4 | 52.5 | 47.5 | |
| 9.5 | 53 7.0 | 14.4 | B |
| 9.5 | 20.5 | 10.9 | |
| 9.4 | 22.0 | 56.4 | a |
| 9.5 | 46.3 | 30.9 | B |
| 8.5 | 42.4 | 15.5 | |
| 9.5 | 45.9 | 52.3 | |
| 9.3 | 51.2 | 38.2 | |
| 9.1 | 54 3.0 | 8.0 | |
| 8.6 | 3.0 | 49.6 | K |
| 9.3 | 10.4 | 27.9 | B |
| 9.5 | 26.0 | 16.9 | |
| 9.1 | 34.2 | 29.7 | b |
| 9.2 | 45.6 | 55.0 | K |
| 9.1 | 52.7 | 32.7 | |
| 8.5 | 58.6 | 8.9 | K |
| 9.2 | 55 13.8 | 54.2 | aB |
| 9.5 | 31.1 | 2.5 | |
| 7.5 | 33.2 | 15.3 | K |
| 8.1 | 39.9 | 57.6 | K |
| 9.5 | 56 14.3 | 40.3 | |
| 9.5 | 28.7 | 38.6 | |
| 8.0 | 33.6 | 59.3 | Kb |
| 9.5 | 34.6 | 7.7 | |
| 9.4 | 49.1 | 10.7 | |
| 9.5 | 53.7 | 44.1 | |
| 8.5 | 57 7.7 | 15.6 | |
| 9.2 | 11.4 | 8.4 | |
| 9.5 | 35.8 | 45.9 | |
| 8.6 | 51.3 | 54.6 | Kb |
| 9.5 | 58 4.0 | 26.2 | |
| 9.5 | 32.2 | 36.8 | |
| 10pr. | + 24.63 | — 0.10 | |

3321—3380

| | 17ᵃ—18ᵃ | +24° | |
|---|---|---|---|
| m | | | |
| 9.1 | 58′ 45.3 | 48.6 | K |
| 9.5 | 59 12.4 | 55.1 | |
| 9.0 | 46.7 | 46.2 | |
| 9.4 | 0 1.7 | 14.7 | B |
| 9.5 | 15.7 | 15.5 | |
| 9.5 | 18.2 | 13.0 | |
| 7.0 | 20.7 | 24.8 | K |
| 9.1 | 40.2 | 23.1 | |
| 7.7 | 49.7 | 18.6 | L |
| 9.4 | 1 9.5 | 49.0 | |
| 9.5 | 15.4 | 35.8 | |
| 9.5 | 16.7 | 27.9 | |
| 9.5 | 21.7 | 10.0 | |
| 9.4 | 24.0 | 57.9 | B |
| 9.0 | 35.7 | 22.7 | L |
| 9.3 | 2 11.2 | 42.7 | |
| 8.8 | 20.7 | 10.0 | |
| 9.5 | 41.4 | 0.9 | |
| 9.4 | 48.2 | 29.7 | |
| 7.6 | 58.0 | 8.4 | L |
| 7.6 | 58.7 | 33.1 | L |
| 7.4 | 58.7 | 56.2 | K |
| 8.5 | 3 6.8 | 47.1 | K |
| 9.0 | 11.0 | 57.9 | B |
| 9.2 | 11.0 | 28.2 | |
| 8.5 | 16.8 | 7.9 | K |
| 8.8 | 19.2 | 27.5 | |
| 9.5 | 24.7 | 23.7 | |
| 9.5 | 45.5 | 22.1 | |
| 9.5 | 52.2 | 49.7 | |
| 8.5 | 56.6 | 8.7 | Kb |
| 8.5 | 4 18.2 | 47.3 | K |
| 9.0 | 22.0 | 52.4 | |
| 9.4 | 39.4 | 31.4 | B |
| 8.2 | 5 21.2 | 56.9 | K |
| 9.5 | 37.7 | 9.0 | |
| 9.3 | 6 31.5 | 54.9 | a |
| 7.5 | 34.5 | 25.7 | R |
| 9.5 | 42.7 | 5.5 | |
| 9.5 | 44.7 | 13.7 | |
| 8.2 | 45.6 | 22.0 | R |
| 9.5 | 47.5 | 29.2 | B |
| 9.4 | 7 4.4 | 5.9 | |
| 9.0 | 15.0 | 47.5 | Rb |
| 9.5 | 26.1 | 31.2 | |
| 9.2 | 8 17.7 | 4.0 | |
| 9.5 | 30.5 | 22.2 | |
| 8.2 | 30.8 | 5.7 | K |
| 8.9 | 55.3 | 43.0 | K |
| 9.0 | 9 0.4 | 55.8 | |
| 9.5 | 10 9.8 | 6.1 | |
| 9.4 | 24.9 | 14.1 | |
| 9.5 | 59.0 | 20.7 | |
| 9.3 | 11 19.8 | 57.3 | a |
| 9.1 | 49.1 | 19.6 | K |
| 9.5 | 52.7 | 51.6 | |
| 8.0 | 12 32.7 | 23.3 | K |
| 9.3 | 52.9 | 0.4 | |
| 9.0 | 59.0 | 14.1 | |
| 9.5 | 13 9.4 | 46.5 | |
| 10pr. | + 24.63 | — 0.06 | |

3381—3440

| | 18ᵃ | +24° | |
|---|---|---|---|
| m | | | |
| 5.5 | 13′ 14.3 | 24.0 | Lb |
| 9.4 | 24.6 | 44.7 | B |
| 9.5 | 26.9 | 23.4 | B |
| 9.0 | 40.6 | 57.3 | |
| 9.4 | 14 23.8 | 20.2 | |
| 9.4 | 29.1 | 1.0 | |
| 9.0 | 32.7 | 13.4 | |
| 9.4 | 33.3 | 40.8 | |
| 9.3 | 34.1 | 0.4 | B |
| 9.2 | 43.0 | 46.1 | B |
| 9.3 | 45.9 | 0.6 | B |
| 9.5 | 15 15.0 | 42.0 | |
| 9.2 | 16.7 | 5.2 | B |
| 9.0 | 22.4 | 14.4 | |
| 7.5 | 32.4 | 59.5 | K |
| 9.4 | 35.5 | 31.4 | B |
| 9.5 | 42.3 | 50.2 | |
| 9.1 | 16 3.5 | 38.8 | |
| 8.7 | 9.7 | 31.5 | |
| 8.7 | 23.6 | 38.5 | |
| 9.1 | 27.0 | 35.8 | |
| 9.5 | 42.4 | 37.2 | |
| 8.9 | 17 15.9 | 39.9 | |
| 8.8 | 16.1 | 46.8 | B |
| 8.7 | 22.2 | 48.6 | K |
| 8.7 | 29.0 | 20.9 | K |
| 8.9 | 39.6 | 8.1 | K |
| 9.5 | 18 34.1 | 21.5 | |
| 9.5 | 47.0 | 2.3 | |
| 9.1 | 19 17.6 | 43.6 | b |
| 9.2 | 32.5 | 44.6 | |
| 9.3 | 33.7 | 0.7 | B |
| 9.5 | 47.0 | 35.7 | |
| 9.3 | 47.5 | 58.1 | a |
| 8.8 | 20 26.3 | 49.5 | |
| 8.5 | 37.6 | 18.4 | K |
| 9.5 | 37.7 | 25.8 | |
| 9.0 | 54.4 | 24.6 | B |
| 9.4 | 56.3 | 54.3 | a |
| 9.4 | 21 28.5 | 11.9 | |
| 9.0 | 31.0 | 52.9 | |
| 9.2 | 32.5 | 11.2 | B |
| 9.1 | 36.0 | 17.6 | K |
| 9.2 | 47.1 | 9.8 | |
| 6.8 | 48.9 | 35.5 | K |
| 9.4 | 54.7 | 42.3 | B |
| 9.3 | 54.8 | 39.4 | |
| 9.4 | 22 0.8 | 4.4 | B |
| 9.4 | 42.3 | 43.7 | |
| 9.4 | 56.3 | 12.6 | |
| 9.2 | 23 2.1 | 12.1 | B |
| 9.4 | 10.3 | 14.1 | |
| 9.3 | 18.5 | 9.1 | |
| 9.5 | 27.7 | 47.0 | |
| 9.2 | 33.7 | 11.1 | |
| 9.5 | 44.9 | 47.5 | |
| 9.0 | 46.8 | 33.0 | |
| 9.5 | 24 2.4 | 29.2 | |
| 9.5 | 15.4 | 13.6 | |
| 9.3 | 31.6 | 30.3 | |
| 10pr. | + 24.65 | — 0.28 | |

3441—3500

| | 18ᵃ | +24° | |
|---|---|---|---|
| m | | | |
| 9.1 | 24′ 32.4 | 34.4 | |
| 8.9 | 34.7 | 17.1 | B |
| 9.0 | 25 10.9 | 29.2 | K |
| 8.8 | 37.4 | 57.3 | K |
| 9.2 | 37.6 | 50.9 | Kb |
| 8.0 | 26 7.7 | 57.3 | K |
| 9.5 | 28.0 | 2.4 | |
| 9.4 | 34.4 | 25.4 | |
| 8.0 | 48.6 | 3.2 | B |
| 7.7 | 50.1 | 34.5 | B |
| 9.1 | 58.9 | 12.4 | |
| 9.1 | 59.4 | 44.7 | |
| 9.5 | 27 2.9 | 6.6 | |
| 9.3 | 49.1 | 58.4 | a |
| 9.1 | 29 1.7 | 48.2 | b |
| 9.3 | 6.2 | 14.4 | |
| 9.4 | 8.9 | 36.5 | |
| 8.5 | 18.2 | 32.0 | |
| 9.3 | 34.2 | 46.3 | |
| 9.3 | 40.5 | 13.7 | |
| 9.3 | 43.5 | 6.8 | |
| 9.5 | 30 0.6 | 22.0 | |
| 9.0 | 7.2 | 44.6 | |
| 9.2 | 32.3 | 11.5 | |
| 9.2 | 32.7 | 24.8 | |
| 9.3 | 36.6 | 5.6 | |
| 9.2 | 42.0 | 21.1 | |
| 9.2 | 43.5 | 7.5 | |
| 7.5 | 31 12.4 | 18.9 | K |
| 9.3 | 23.5 | 54.4 | a |
| 9.5 | 47.1 | 29.1 | |
| 9.5 | 48.0 | 9.5 | |
| 9.5 | 50.4 | 10.0 | |
| 9.5 | 58.6 | 27.7 | |
| 9.5 | 32 2.1 | 21.0 | |
| 9.3 | 5.2 | 51.0 | a |
| 9.5 | 9.8 | 14.7 | |
| 9.3 | 36.0 | 1.8 | |
| 9.5 | 40.5 | 30.9 | |
| 8.0 | 42.7 | 30.9 | L |
| 9.4 | 47.9 | 14.5 | |
| 8.5 | 50.5 | 10.4 | L |
| 9.0 | 59.6 | 7.1 | |
| 9.0 | 33 17.0 | 15.1 | B |
| 9.3 | 18.7 | 19.1 | |
| 9.4 | 21.7 | 15.8 | |
| 9.3 | 37.1 | 44.6 | |
| 9.1 | 39.8 | 37.2 | |
| 8.2 | 53.7 | 52.3 | Lb |
| 9.5 | 34 4.8 | 12.1 | |
| 8.0 | 6.5 | 34.1 | K |
| 9.3 | 49.9 | 16.2 | |
| 7.9 | 35 2.2 | 41.1 | K |
| 9.5 | 4.9 | 18.9 | |
| 9.5 | 22.8 | 57.7 | |
| 9.4 | 44.0 | 29.8 | |
| 9.5 | 46.9 | 38.7 | |
| 9.3 | 59.9 | 29.3 | B |
| 8.2 | 36 3.2 | 53.2 | Kb |
| 9.5 | 5.5 | 17.4 | |
| 10pr. | + 24.69 | — 0.46 | |

3501—3560

| m | 18ª | +24° | |
|---|---|---|---|
| 9.2 | 36′ 20.2″ | 32.3′ | |
| 9.3 | 52.0 | 8.8 | |
| 9.5 | 37 5.3 | 37.9 | |
| 8.6 | 10.1 | 4.8 | |
| 9.3 | 17.0 | 24.3 | |
| 9.3 | 23.2 | 57.6 | a |
| 9.4 | 30.4 | 14.4 | |
| 9.0 | 40.1 | 33.2 | B |
| 8.8 | 38 1.2 | 27.6 | |
| 9.4 | 4.0 | 53.3 | |
| 9.5 | 7.6 | 1.8 | |
| 9.5 | 12.2 | 0.4 | |
| 9.0 | 15.7 | 14.3 | |
| 9.3 | 18.9 | 52.4 | a |
| 8.9 | 37.2 | 33.5 | |
| 9.5 | 49.8 | 22.4 | |
| 9.5 | 52.0 | 26.5 | |
| 8.8 | 53.1 | 44.2 | |
| 9.0 | 58.2 | 52.2 | |
| 9.5 | 39 24.0 | 0.4 | |
| 9.5 | 28.9 | 3.4 | |
| 9.5 | 33.7 | 54.8 | |
| 9.0 | 39.2 | 40.0 | R |
| 9.5 | 45.5 | 8.9 | |
| 9.2 | 48.1 | 52.8 | a |
| 8.5 | 56.2 | 40.9 | B |
| 8.2 | 40 24.8 | 17.7 | K |
| 9.5 | 38.2 | 22.6 | |
| 9.5 | 39.1 | 5.7 | |
| 9.4 | 41.0 | 31.0 | |
| 8.9 | 50.4 | 14.2 | K |
| 9.3 | 53.2 | 55.2 | a |
| 9.1 | 41 0.9 | 14.8 | a |
| 9.0 | 1.7 | 15.6 | B |
| 9.0 | 2.8 | 41.7 | B |
| 8.9 | 4.1 | 53.7 | |
| 8.3 | 11.2 | 13.7 | K |
| 8.2 | 23.3 | 29.3 | L |
| 9.5 | 47.7 | 21.8 | |
| 8.5 | 47.9 | 12.0 | K |
| 9.4 | 55.5 | 38.3 | B |
| 9.5 | 57.6 | 12.4 | |
| 9.4 | 42 54.1 | 57.5 | a |
| 9.4 | 43 6.2 | 56.5 | a |
| 6.0 | 17.2 | 52.9 | K |
| 9.5 | 19.2 | 50.9 | |
| 9.0 | 38.8 | 2.7 | |
| 9.5 | 44.0 | 43.4 | |
| 9.1 | 44 16.4 | 56.7 | B |
| 9.5 | 21.5 | 28.6 | |
| 9.4 | 27.7 | 52.0 | a |
| 8.4 | 51.2 | 33.0 | R |
| 9.5 | 45 45.4 | 22.6 | |
| 9.3 | 50.0 | 23.1 | B |
| 8.7 | 46 8.1 | 20.5 | |
| 9.0 | 22.2 | 9.9 | K |
| 9.3 | 25.7 | 29.8 | |
| 8.4 | 30.4 | 54.3 | |
| 9.5 | 37.2 | 19.5 | |
| 9.2 | 39.0 | 31.6 | |
| | + | + | |
| 10 pr. | 24.72 | 0.59 | |

3561—3620

| m | 18ª | +24° | |
|---|---|---|---|
| 9.3 | 46′ 40.1″ | 32.7′ | |
| 9.2 | 47.3 | 28.6 | |
| 9.1 | 54.2 | 24.8 | |
| 9.4 | 58.1 | 30.4 | B |
| 9.5 | 47 0.8 | 28.6 | |
| 9.2 | 8.7 | 22.4 | |
| 9.2 | 9.4 | 8.5 | |
| 8.3 | 25.6 | 5.9 | K |
| 8.5 | 31.4 | 38.0 | K |
| 9.5 | 48 9.0 | 19.3 | |
| 9.4 | 19.8 | 18.2 | |
| 9.5 | 20.5 | 35.5 | |
| 9.5 | 31.3 | 26.2 | |
| 9.2 | 39.6 | 17.5 | |
| 9.3 | 58.4 | 48.3 | |
| 9.0 | 49 3.9 | 46.0 | B |
| 9.2 | 4.8 | 41.7 | |
| 9.5 | 14.5 | 10.1 | |
| 8.5 | 22.1 | 31.6 | K |
| 9.2 | 42.2 | 31.9 | |
| 9.5 | 55.6 | 37.4 | |
| 9.5 | 58.0 | 36.6 | |
| 9.5 | 58.8 | 54.5 | a |
| 9.4 | 58.9 | 38.1 | B |
| 9.1 | 50 17.0 | 44.3 | b |
| 8.5 | 28.6 | 16.2 | B |
| 9.3 | 35.5 | 14.9 | |
| 9.4 | 44.0 | 32.5 | |
| 9.4 | 47.2 | 9.5 | |
| 8.8 | 52.0 | 16.6 | B |
| 9.2 | 51 7.3 | 44.6 | |
| 8.6 | 33.0 | 34.5 | K |
| 9.5 | 41.4 | 14.5 | |
| 9.2 | 50.3 | 55.3 | a |
| 7.5 | 52 13.2 | 30.6 | K |
| 8.6 | 38.1 | 3.2 | R |
| 9.3 | 53 17.3 | 50.4 | a |
| 8.8 | 17.8 | 58.1 | K |
| 9.0 | 27.8 | 34.3 | B |
| 9.3 | 27.8 | 33.5 | |
| 9.2 | 28.3 | 28.6 | |
| 8.9 | 54 7.2 | 58.5 | K |
| 8.5 | 13.0 | 59.0 | K |
| 9.5 | 37.9 | 12.1 | |
| 9.1 | 55 9.2 | 34.7 | |
| 9.5 | 23.5 | 57.6 | |
| 9.0 | 33.4 | 0.4 | |
| 6.7 | 36.2 | 49.4 | R |
| 9.5 | 43.2 | 18.8 | |
| 9.4 | 56 7.5 | 42.0 | |
| 9.5 | 41.5 | 28.1 | B |
| 9.5 | 57 15.9 | 1.7 | |
| 9.2 | 18.5 | 43.5 | R |
| 9.1 | 24.3 | 40.0 | |
| 9.0 | 24.8 | 58.6 | |
| 9.4 | 26.7 | 52.2 | a |
| 9.0 | 28.2 | 32.1 | R |
| 9.3 | 34.5 | 27.9 | |
| 8.7 | 37.6 | 59.9 | B |
| 9.5 | 58 2.5 | 40.5 | |
| | + | + | |
| 10 pr. | 24.78 | 0.73 | |

3621—3680

| m | 18ª—19ª | +24° | |
|---|---|---|---|
| 9.2 | 58′ 28.2″ | 50.8′ | K |
| 9.3 | 33.2 | 39.0 | |
| 9.3 | 46.5 | 14.2 | B |
| 8.5 | 52.6 | 42.0 | |
| 9.4 | 54.9 | 34.5 | |
| 9.3 | 55.7 | 27.6 | |
| 9.5 | 59 0.3 | 50.5 | a |
| 9.5 | 15.8 | 45.9 | |
| 9.4 | 30.2 | 44.7 | |
| 9.3 | 36.0 | 9.9 | |
| 9.2 | 37.2 | 38.0 | |
| 9.3 | 55.8 | 34.6 | B |
| 9.5 | 59.1 | 38.1 | |
| 9.5 | 59.2 | 48.6 | |
| 9.5 | 0 6.1 | 8.3 | |
| 8.4 | 22.0 | 25.9 | K |
| 9.5 | 23.2 | 32.6 | |
| 9.5 | 23.2 | 33.9 | |
| 9.5 | 31.9 | 21.2 | |
| 5.4 | 36.5 | 1.9 | Kb |
| 9.4 | 45.8 | 29.4 | |
| 9.3 | 1 4.5 | 40.2 | |
| 8.6 | 17.1 | 18.0 | L |
| 9.0 | 34.4 | 27.6 | K |
| 9.4 | 42.5 | 1.9 | |
| 9.4 | 52.7 | 14.6 | |
| 9.5 | 54.6 | 38.7 | |
| 9.4 | 56.2 | 49.5 | |
| 9.5 | 2 0.5 | 44.3 | |
| 6.5 | 2.2 | 29.7 | K |
| 9.2 | 2.8 | 9.5 | B |
| 9.2 | 5.4 | 52.7 | a |
| 9.5 | 21.4 | 6.3 | |
| 8.8 | 33.1 | 6.3 | K |
| 7.9 | 3 9.9 | 35.4 | B |
| 9.3 | 21.1 | 8.8 | |
| 9.2 | 38.3 | 3.5 | |
| 9.5 | 50.3 | 41.2 | |
| 8.7 | 53.9 | 57.0 | Kb |
| 9.1 | 59.6 | 26.1 | |
| 9.5 | 4 6.8 | 28.3 | |
| 9.5 | 11.5 | 8.5 | |
| 9.5 | 37.0 | 12.2 | |
| 9.1 | 38.2 | 22.2 | B |
| 9.5 | 45.1 | 45.0 | |
| 8.8 | 46.8 | 33.8 | |
| 8.8 | 5 5.6 | 24.9 | K |
| 8.5 | 18.0 | 55.3 | Kb |
| 9.5 | 30.3 | 0.9 | |
| 9.5 | 44.5 | 57.7 | B |
| 9.2 | 49.1 | 19.9 | B |
| 9.1 | 50.8 | 28.6 | |
| 9.2 | 6 24.5 | 20.9 | R |
| 9.1 | 27.9 | 34.1 | B |
| 9.3 | 28.2 | 7.0 | |
| 9.5 | 33.8 | 28.9 | |
| 8.0 | 40.4 | 19.7 | R |
| 9.3 | 59.1 | 0.9 | |
| 9.5 | 7 10.0 | 21.6 | |
| 9.4 | 11.2 | 10.8 | B |
| | + | + | |
| 10 pr. | 24.84 | 0.90 | |

3681—3740

| m | 19ª | +24° | |
|---|---|---|---|
| 9.3 | 7′ 19.9″ | 10.1′ | |
| 8.5 | 37.9 | 47.4 | L |
| 8.3 | 40.1 | 20.7 | K |
| 8.8 | 56.9 | 25.2 | |
| 9.4 | 8 1.7 | 19.0 | |
| 9.5 | 13.4 | 31.6 | |
| 7.4 | 19.7 | 46.2 | L |
| 9.4 | 34.5 | 11.4 | |
| 8.7 | 48.6 | 17.3 | |
| 9.5 | 9 0.0 | 13.7 | |
| 9.4 | 2.9 | 18.7 | |
| 9.5 | 16.3 | 38.0 | |
| 9.1 | 17.1 | 46.6 | b |
| 9.4 | 26.5 | 3.2 | B |
| 9.5 | 37.0 | 56.8 | a |
| 8.5 | 48.5 | 31.9 | |
| 9.4 | 10 0.6 | 36.8 | |
| 8.0 | 8.3 | 31.8 | L |
| 8.3 | 36.6 | 1.8 | K |
| 9.5 | 42.3 | 4.6 | |
| 8.8 | 50.2 | 29.3 | |
| 9.3 | 53.1 | 4.1 | |
| 9.5 | 55.8 | 43.9 | |
| 9.0 | 11 5.1 | 4.8 | K |
| 9.3 | 24.6 | 5.4 | |
| 7.8 | 31.2 | 58.8 | B |
| 9.2 | 55.4 | 9.4 | R |
| 7.4 | 12 8.9 | 9.2 | K |
| 9.5 | 40.2 | 24.1 | |
| 9.1 | 55.7 | 7.2 | |
| 9.4 | 13 20.6 | 24.6 | |
| 9.3 | 29.8 | 10.1 | |
| 9.5 | 55.9 | 49.6 | |
| 9.1 | 57.8 | 42.7 | |
| 9.5 | 59.0 | 46.9 | |
| 9.3 | 14 4.9 | 5.4 | |
| 9.0 | 17.8 | 51.6 | |
| 9.5 | 31.4 | 12.3 | |
| 9.1 | 39.1 | 8.0 | b |
| 9.5 | 44.7 | 30.6 | |
| 9.4 | 47.9 | 51.3 | a |
| 9.3 | 15 48.1 | 6.3 | |
| 9.5 | 59.0 | 55.8 | a |
| 9.4 | 16 5.2 | 8.4 | |
| 9.3 | 19.5 | 18.1 | K |
| 9.4 | 37.1 | 5.4 | |
| 8.3 | 42.8 | 39.2 | |
| 9.3 | 17 13.4 | 48.3 | |
| 9.3 | 22.5 | 14.2 | |
| 9.1 | 55.5 | 16.4 | b |
| 9.5 | 58.7 | 19.4 | |
| 9.5 | 18 2.4 | 24.1 | |
| 9.3 | 10.4 | 49.6 | a |
| 9.3 | 10.5 | 43.4 | |
| 9.2 | 18.0 | 57.7 | a |
| 9.5 | 35.8 | 50.8 | a |
| 6.1 | 19 25.8 | 39.0 | Lb |
| 9.5 | 33.4 | 6.4 | |
| 9.5 | 43.5 | 26.2 | |
| 8.6 | 49.7 | 53.9 | L |
| | + | + | |
| 10 pr. | 24.93 | 1.05 | |

3741—3800

| m | 19ª | +24° | |
|---|---|---|---|
| 9.1 | 19′ 50.0″ | 21.2′ | K |
| 8.0 | 56.8 | 46.2 | K |
| 9.5 | 20 12.4 | 37.3 | |
| 9.5 | 35.5 | 33.5 | |
| 9.4 | 48.5 | 14.3 | |
| 9.5 | 48.5 | 54.5 | |
| 9.5 | 21 7.2 | 53.5 | B |
| 9.4 | 8.7 | 38.0 | |
| 9.5 | 9.0 | 56.0 | a |
| 8.2 | 30.5 | 15.3 | B |
| 9.4 | 30.9 | 54.4 | |
| 9.4 | 31.9 | 6.5 | |
| 9.4 | 33.4 | 9.3 | |
| 9.5 | 51.0 | 3.4 | |
| 9.2 | 22 1.5 | 24.1 | |
| 9.5 | 2.0 | 16.4 | |
| 9.4 | 21.5 | 29.0 | |
| 7.5 | 24.3 | 41.6 | L |
| 4.2 | 39.6 | 22.2 | Kb |
| 9.3 | 52.2 | 21.3 | B |
| 6.4 | 54.2 | 28.4 | B |
| 9.5 | 23 1.0 | 20.3 | |
| 9.3 | 8.0 | 42.1 | |
| 9.1 | 41.0 | 55.8 | Kb |
| 8.0 | 24 1.8 | 45.4 | L |
| 9.1 | 10.6 | 3.6 | a |
| 8.4 | 21.3 | 7.0 | L |
| 8.1 | 35.9 | 48.8 | L |
| 9.2 | 41.7 | 37.2 | K |
| 9.5 | 25 0.5 | 32.2 | |
| 9.5 | 23.0 | 0.5 | |
| 9.5 | 58.7 | 34.3 | |
| 9.2 | 26 11.3 | 0.8 | |
| 9.1 | 32.2 | 26.5 | b |
| 9.3 | 50.6 | 39.4 | |
| 9.5 | 55.4 | 7.8 | |
| 9.1 | 27 30.4 | 57.4 | a |
| 9.0 | 35.7 | 31.0 | R |
| 9.4 | 57.4 | 13.5 | |
| 8.8 | 28 0.0 | 16.6 | B |
| 9.4 | 15.1 | 6.6 | |
| 9.5 | 16.7 | 7.0 | |
| 9.5 | 39.3 | 7.1 | |
| 9.3 | 40.5 | 16.8 | |
| 8.6 | 47.9 | 50.1 | L |
| 8.9 | 53.0 | 15.8 | K |
| 9.3 | 56.4 | 11.8 | |
| 8.7 | 58.8 | 42.7 | L |
| 9.0 | 29 6.5 | 21.3 | K |
| 9.5 | 9.8 | 42.7 | |
| 9.2 | 15.4 | 54.7 | a |
| 9.5 | 25.5 | 17.2 | |
| 9.0 | 26.0 | 52.8 | R |
| 9.1 | 29.0 | 47.3 | |
| 9.0 | 31.1 | 50.0 | |
| 9.4 | 38.7 | 55.3 | a |
| 8.1 | 44.5 | 51.4 | B |
| 8.1 | 30 0.4 | 24.7 | K |
| 8.9 | 7.6 | 58.5 | |
| 9.4 | 15.8 | 5.9 | |
| | + | + | |
| 10 pr. | 25.04 | 1.21 | |

| m | 3801—3860 19m | +24° | | m | 3861—3920 19m | +24° | | m | 3921—3980 19m | +24° | | m | 3981—4040 19m—20m | +24° | | m | 4041—4100 20m | +24° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.7 | 30′ 20.8 | 44.9 | K | 9.4 | 38′ 49.6 | 28.8 | | 9.5 | 48′ 14.6 | 24.6 | | 9.5 | 56′ 21.6 | 48.7 | | 9.5 | 6′ 43.6 | 31.1 | |
| 9.0 | 24.9 | 50.8 | | 9.5 | 39 1.5 | 19.2 | | 9.1 | 31.4 | 12.0 | | 9.5 | 25.5 | 39.3 | | 9.4 | 53.9 | 32.5 | B |
| 8.5 | 26.0 | 40.7 | K | 9.4 | 21.5 | 0.8 | | 9.1 | 36.4 | 10.0 | | 9.5 | 33.7 | 10.2 | | 9.1 | 7 3.2 | 31.2 | B |
| 9.1 | 27.2 | 1.7 | | 9.5 | 27.1 | 10.8 | | 7.7 | 43.7 | 30.5 | L | 9.5 | 51.1 | 37.8 | | 9.4 | 4.3 | 21.2 | |
| 9.3 | 27.4 | 41.5 | B | 9.5 | 29.9 | 51.3 | a | 8.0 | 49.0 | 57.0 | B | 9.5 | 58.9 | 31.1 | a | 8.4 | 8.2 | 48.1 | |
| 9.1 | 27.9 | 25.8 | B | 9.4 | 36.0 | 46.4 | | 8.8 | 49.9 | 50.4 | | 9.5 | 57 9.4 | 31.1 | | 9.5 | 19.8 | 56.1 | |
| 8.5 | 31.0 | 4.7 | | 9.0 | 38.1 | 19.4 | K | 9.4 | 59.7 | 49.2 | B | 8.6 | 22.8 | 31.1 | L | 8.1 | 22.9 | 5.9 | K |
| 9.2 | 40.8 | 40.0 | | 9.4 | 41.5 | 0.6 | | 9.5 | 49 17.6 | 28.9 | | 9.5 | 46.2 | 57.8 | a | 9.5 | 39.9 | 55.3 | a |
| 8.5 | 42.8 | 41.7 | K | 9.3 | 44.8 | 43.1 | | 9.5 | 19.4 | 26.2 | | 9.5 | 49.6 | 24.7 | | 9.2 | 8 3.6 | 1.7 | |
| 9.0 | 43.0 | 58.5 | | 9.3 | 54.9 | 29.4 | B | 9.5 | 22.8 | 43.9 | | 9.4 | 58 4.7 | 56.4 | a | 9.4 | 4.5 | 44.3 | B |
| 9.5 | 58.6 | 22.4 | | 9.3 | 40 7.8 | 23.6 | | 9.5 | 30.6 | 21.7 | | 8.2 | 21.9 | 31.1 | L | 9.5 | 4.7 | 45.2 | |
| 9.4 | 31 0.0 | 12.1 | | 8.3 | 9.9 | 48.8 | L | 9.0 | 46.7 | 37.2 | | 9.1 | 41.3 | 8.7 | K | 9.5 | 5.4 | 6.5 | |
| 8.9 | 10.7 | 7.7 | | 9.3 | 16.5 | 16.7 | | 9.4 | 47.8 | 14.7 | | 9.5 | 59 1.5 | 28.4 | | 8.0 | 19.6 | 24.2 | K |
| 8.2 | 43.8 | 41.4 | K | 8.0 | 19.6 | 26.3 | K | 9.0 | 53.4 | 33.8 | | 9.2 | 2.2 | 23.5 | | 9.5 | 33.1 | 24.7 | |
| 7.9 | 48.6 | 23.6 | L | 9.4 | 23.6 | 9.3 | | 9.5 | 50 12.6 | 11.3 | | 9.5 | 19.0 | 57.3 | | 9.4 | 34.8 | 8.1 | |
| 9.4 | 57.6 | 15.0 | | 9.4 | 23.8 | 41.4 | | 9.0 | 27.0 | 57.0 | Kb | 9.5 | 27.9 | 29.1 | | 9.2 | 35.7 | 35.8 | |
| 9.5 | 32 5.1 | 57.7 | a | 6.5 | 33.9 | 46.8 | L | 8.8 | 36.6 | 25.4 | | 8.2 | 46.1 | 2.8 | R | 9.2 | 37.3 | 54.9 | a |
| 9.2 | 20.5 | 15.0 | | 9.5 | 50.8 | 1.5 | | 9.5 | 39.3 | 2.4 | | 9.5 | 56.6 | 18.5 | | 9.0 | 41.7 | 33.9 | K |
| 9.4 | 21.8 | 44.2 | | 9.5 | 50.9 | 15.5 | | 9.5 | 48.6 | 29.1 | B | 9.5 | 58.9 | 14.0 | B | 9.5 | 42.1 | 56.9 | |
| 9.3 | 24.9 | 54.3 | K | 9.5 | 51.9 | 12.0 | B | 9.4 | 56.9 | 53.8 | a | 9.2 | 0 29.6 | 32.7 | Bb | 8.8 | 42.4 | 52.9 | B |
| 9.5 | 32.2 | 34.5 | | 9.0 | 57.7 | 29.7 | K | 9.5 | 51 10.4 | 7.1 | | 9.5 | 32.9 | 3.9 | | 9.5 | 43.1 | 56.4 | |
| 9.5 | 32.5 | 25.6 | | 9.0 | 41 13.7 | 37.6 | | 9.5 | 21.3 | 24.1 | | 8.4 | 32.9 | 1.1 | K | 9.4 | 53.8 | 34.6 | B |
| 9.5 | 40.0 | 57.7 | a | 9.5 | 13.9 | 11.8 | | 8.9 | 37.8 | 44.6 | | 9.5 | 41.8 | 33.9 | | 9.0 | 54.0 | 40.5 | K |
| 9.1 | 56.3 | 1.2 | | 9.5 | 14.0 | 16.2 | | 9.5 | 42.5 | 23.4 | | 9.5 | 47.2 | 23.5 | | 9.2 | 9 0.0 | 25.4 | |
| 8.7 | 58.0 | 56.3 | K | 9.5 | 37.4 | 13.3 | | 8.2 | 43.9 | 6.9 | K | 9.3 | 49.0 | 51.2 | | 9.4 | 0.4 | 1.7 | |
| 9.5 | 33 0.6 | 6.3 | | 9.5 | 56.6 | 25.6 | | 9.3 | 49.0 | 57.0 | a | 9.5 | 58.5 | 48.3 | B | 9.5 | 16.2 | 9.1 | |
| 9.0 | 19.9 | 53.8 | K | 9.4 | 42 0.0 | 21.6 | | 9.0 | 51.2 | 28.5 | B | 9.3 | 1 27.3 | 56.2 | | 9.4 | 37.9 | 32.7 | |
| 8.9 | 22.8 | 43.9 | | 9.5 | 5.8 | 41.4 | | 9.2 | 52.9 | 27.2 | | 8.7 | 29.1 | 11.9 | | 9.5 | 57.9 | 50.1 | |
| 9.2 | 38.4 | 14.9 | B | 7.3 | 17.3 | 38.9 | K | 9.3 | 53.6 | 46.4 | | 9.5 | 2 15.1 | 12.9 | | 9.5 | 58.7 | 52.4 | |
| 9.5 | 44.0 | 28.7 | | 9.4 | 18.5 | 7.3 | | 9.4 | 52 13.3 | 4.6 | | 9.4 | 15.4 | 16.4 | | 8.7 | 10 6.7 | 10.2 | K |
| 9.3 | 44.4 | 11.5 | | 9.3 | 24.7 | 36.0 | K | 9.0 | 37.3 | 4.4 | | 9.5 | 17.5 | 0.2 | B | 9.5 | 7.9 | 53.4 | |
| 7.3 | 45.4 | 12.2 | L | 7.5 | 28.7 | 36.0 | K | 9.4 | 40.6 | 26.9 | | 9.4 | 18.4 | 17.6 | | 9.2 | 13.4 | 53.9 | a |
| 9.5 | 53.8 | 39.2 | | 9.3 | 40.3 | 26.9 | | 8.8 | 44.7 | 32.8 | | 9.5 | 18.4 | 25.8 | | 9.5 | 18.5 | 27.9 | |
| 9.0 | 34 1.8 | 45.9 | K | 9.3 | 46.2 | 0.3 | B | 9.5 | 52.4 | 53.5 | a | 9.5 | 20.0 | 32.0 | | 9.5 | 30.2 | 46.9 | |
| 9.2 | 3.5 | 55.5 | a | 9.5 | 47.6 | 29.9 | | 9.4 | 53 0.8 | 21.2 | B | 7.9 | 30.3 | 20.4 | K | 6.0 | 35.6 | 13.1 | K |
| 9.2 | 12.0 | 26.7 | B | 8.8 | 53.5 | 20.8 | | 9.5 | 7.3 | 33.5 | | 8.0 | 31.1 | 13.4 | K | 9.5 | 36.5 | 26.2 | |
| 9.5 | 35.6 | 3.5 | | 9.5 | 43 10.4 | 10.8 | | 9.0 | 22.4 | 10.5 | | 8.6 | 46 7 | 54.6 | | 9.5 | 55.3 | 2.7 | |
| 8.2 | 40.5 | 14.1 | K | 9.0 | 31.4 | 9.1 | | 8.2 | 24.5 | 19.6 | K | 8.6 | 48.3 | 20.9 | K | 9.4 | 58.8 | 42.8 | |
| 9.5 | 54.4 | 11.8 | | 9.4 | 57.4 | 50.2 | a | 9.4 | 24.7 | 34.2 | | 9.5 | 48.9 | 46.1 | a | 9.5 | 11 6.7 | 35.4 | |
| 9.4 | 56.1 | 4.2 | | 9.4 | 58.0 | 0.4 | | 9.0 | 30.9 | 48.7 | K | 9.5 | 57.2 | 11.1 | | 9.5 | 9.6 | 23.7 | |
| 9.2 | 35 12.2 | 25.5 | B | 9.5 | 44 3.5 | 49.1 | | 9.4 | 36.6 | 28.2 | | 9.4 | 3 2.5 | 1.7 | | 9.5 | 13.3 | 19.6 | - |
| 9.1 | 26.1 | 8.2 | K | 9.2 | 5.7 | 34.0 | | 7.9 | 54.9 | 47.3 | K | 9.3 | 12.6 | 37.6 | | 9.5 | 20.3 | 30.8 | |
| 9.5 | 46.3 | 0.4 | | 9.0 | 11.5 | 55.7 | K | 8.7 | 54 29.9 | 49.8 | L | 9.2 | 13.1 | 57.5 | a | 9.5 | 47.2 | 9.2 | |
| 8.7 | 58.6 | 22.6 | | 9.5 | 20.4 | 34.0 | | 8.8 | 31.2 | 7.3 | B | 9.0 | 13.3 | 32.9 | | 9.4 | 49.8 | 0.7 | |
| 9.2 | 36 5.7 | 34.0 | | 9.4 | 37.0 | 56.5 | a | 8.6 | 44.3 | 45.4 | K | 9.5 | 32.5 | 26.7 | | 8.6 | 12 1.3 | 3.1 | K |
| 9.5 | 14.3 | 24.9 | | 9.3 | 45.8 | 56.2 | a | 9.5 | 46.0 | 1.6 | | 9.0 | 4 3.6 | 11.8 | | 9.1 | 59.1 | 13.6 | b |
| 9.0 | 26.6 | 28.9 | | 7.3 | 48.0 | 15.7 | K | 9.5 | 48.5 | 21.7 | | 8.6 | 7.2 | 56.9 | K | 9.5 | 13 2.9 | 53.6 | |
| 9.5 | 48.7 | 36.8 | | 9.4 | 51.9 | 53.8 | a | 9.4 | 55 6.5 | 1.7 | B | 9.0 | 15.6 | 13.6 | | 9.5 | 15.7 | 10.4 | |
| 7.1 | 59.5 | 16.3 | L | 9.3 | 45 2.5 | 19.5 | | 8.7 | 7.5 | 17.5 | | 7.4 | 18.6 | 37.6 | K | 9.5 | 36.8 | 46.0 | |
| 9.3 | 37 16.8 | 38.8 | | 9.2 | 24.4 | 12.8 | | 9.5 | 9.5 | 36.3 | | 9.5 | 41.4 | 29.4 | | 9.2 | 43.8 | 6.9 | K |
| 9.5 | 29.6 | 29.2 | | 9.1 | 25.5 | 58.9 | ab | 9.5 | 9.8 | 5.9 | | 9.4 | 5 20.5 | 38.8 | | 9.2 | 59.9 | 5.9 | Kb |
| 9.5 | 37.0 | 56.0 | a | 9.4 | 45.0 | 58.2 | a | 9.5 | 18.1 | 32.5 | B | 9.5 | 32.4 | 14.3 | | 9.4 | 14 3.7 | 33.9 | |
| 9.5 | 49.9 | 50.5 | a | 9.5 | 50.3 | 8.7 | | 9.4 | 21.1 | 36.5 | | 9.4 | 34.0 | 10.2 | B | 9.5 | 13.5 | 39.8 | |
| 9.5 | 50.3 | 5.5 | | 5.7 | 55.7 | 37.0 | K | 9.2 | 28.4 | 9.5 | | 9.5 | 37.7 | 14.3 | | 9.3 | 14.3 | 32.4 | |
| 9.5 | 56.8 | 11.8 | | 9.3 | 46 10.5 | 13.8 | | 6.2 | 36.3 | 24.0 | Kb | 9.0 | 55.8 | 19.2 | | 9.4 | 30.6 | 24.5 | |
| 8.6 | 38 2.8 | 40.2 | | 9.4 | 17.6 | 12.1 | B | 9.5 | 46.5 | 17.4 | | 9.5 | 6 4.5 | 14.5 | | 9.3 | 31.7 | 10.9 | |
| 9.5 | 25.0 | 55.0 | a | 9.2 | 30.7 | 35.5 | | 5.5 | 52.5 | 31.8 | K | 9.5 | 4.5 | 26.4 | | 9.5 | 57.9 | 40.0 | B |
| 9.3 | 31.4 | 11.8 | | 9.4 | 58.5 | 3.9 | | 8.8 | 56.9 | 1.6 | K | 9.5 | 17.7 | 22.0 | | 9.3 | 58.4 | 5.9 | |
| 9.5 | 45.4 | 48.3 | | 8.9 | 47 7.2 | 0.9 | | 8.3 | 56 1.3 | 45.2 | L | 9.0 | 33.5 | 4.0 | | 9.5 | 15 13.8 | 56.1 | a |
| 9.5 | 47.8 | 7.5 | | 9.5 | 12.7 | 29.0 | | 9.5 | 19.3 | 8.4 | | 9.5 | 41.4 | 43.0 | | 8.8 | 35.9 | 18.5 | |
| 10pr. | + 25.12 | + 1.33 | | 10pr. | + 25.22 | + 1.44 | | 10pr. | + 25.34 | + 1.57 | | 10pr. | + 25.47 | + 1.70 | | 10pr. | + 25.58 | + 1.80 | |

| 4101—4160 | | | | | 4161—4220 | | | | | 4221—4280 | | | | | 4281—4340 | | | | | 4341—4400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | | +24° | | | 20ᵐ | | +24° | | | 20ᵐ | | +24° | | | 20ᵐ–21ᵐ | | +24° | | | 21ᵐ | | +24° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.2 | 15 | 44.3 | 19.1 | | 9.5 | 27 | 14.7 | 9.6 | | 8.5 | 36 | 44.6 | 36.3 | K | 9.5 | 50 | 18.8 | 48.2 | | 9.4 | 4 | 22.4 | 57.1 | |
| 9.3 | | 55.7 | 8.9 | B | 9.3 | | 22.8 | 8.1 | | 9.0 | | 45.1 | 1.3 | | 8.8 | | 50.4 | 6.7 | | 9.5 | | 34.6 | 45.7 | |
| 9.2 | | 57.7 | 47.9 | b | 9.5 | | 37.2 | 27.9 | | 9.5 | 37 | 6.7 | 54.0 | a | 9.5 | | 50.7 | 35.6 | | 9.5 | | 37.9 | 28.8 | |
| 9.5 | 16 | 3.9 | 5.2 | | 9.1 | | 39.5 | 57.7 | | 9.5 | | 40.3 | 20.4 | | 9.4 | | 51.2 | 46.2 | | 9.5 | | 37.9 | 30.5 | |
| 9.5 | | 24.3 | 6.7 | | 8.7 | | 56.8 | 20.0 | K | 9.5 | | 43.6 | 37.7 | | 9.2 | 51 | 21.2 | 48.2 | a | 9.3 | | 51.5 | 16.6 | |
| 9.4 | | 27.2 | 57.5 | a | 9.2 | | 56.8 | 32.9 | B | 9.5 | | 44.3 | 32.4 | | 9.3 | | 32.9 | 4.9 | | 9.5 | 5 | 15.5 | 28 0 | |
| 9.5 | | 27.9 | 26.7 | | 9.5 | | 59.6 | 36.6 | | 9.1 | 38 | 9.2 | 9.7 | | 9.5 | | 48.6 | 20.5 | B | 8.7 | | 31.2 | 48.3 | |
| 9.4 | | 32.7 | 10.6 | | 9.0 | 28 | 11.0 | 3.0 | | 8.7 | | 23.0 | 26.7 | | 9.4 | | 53.0 | 3.3 | | 9.5 | | 45.4 | 42.8 | |
| 9.5 | | 41.2 | 46.0 | | 9.4 | | 13.8 | 8.7 | | 5.7 | | 36.3 | 45.4 | Lb | 9.2 | 52 | 8.4 | 17.1 | | 9.4 | 6 | 8.9 | 6.2 | |
| 9.3 | 17 | 16.4 | 54.4 | a | 9.5 | | 35.7 | 43.9 | | 9.3 | | 50.7 | 58.3 | | 9.5 | | 12.8 | 7.2 | | 9.4 | | 9.6 | 50.2 | a |
| 9.5 | | 20.6 | 50.2 | | 9.5 | | 36.3 | 21.0 | | 9.5 | | 57.2 | 16.3 | | 9.0 | | 45.4 | 51.7 | B | 8.0 | | 28.6 | 36.1 | K |
| 9.3 | | 41.7 | 58.0 | a | 9.5 | | 40.0 | 2.5 | | 8.5 | | 58.5 | 39.5 | K | 9.5 | | 46.0 | 3.7 | | 9.5 | | 30.4 | 51.6 | B |
| 9.5 | | 45.2 | 37.3 | | 9.5 | | 42.0 | 59.8 | | 8.6 | | 59.2 | 48.1 | | 9.3 | | 47.3 | 51.4 | aB | 9.1 | 7 | 6.7 | 21.3 | |
| 9.5 | 18 | 6.4 | 29.7 | | 9.5 | | 44.4 | 42.7 | | 9.5 | 39 | 18.9 | 16.6 | | 9.1 | | 52.0 | 41.0 | b | 9.4 | | 16.7 | 34.1 | |
| 9.5 | | 13.3 | 44.2 | | 9.5 | | 52.2 | 47.7 | | 9.0 | | 19.7 | 9.9 | | 9.0 | 53 | 2.2 | 22.0 | | 9.5 | | 34.3 | 20.0 | |
| 8.0 | | 34.6 | 42.6 | B | 9.0 | 29 | 0.7 | 13.4 | | 9.4 | | 46.1 | 14.9 | B | 9.4 | | 33.5 | 3.7 | | 9.3 | | 52.7 | 46.4 | |
| 9.4 | | 49.7 | 57.2 | a | 9.0 | | 9.4 | 28.3 | B | 9.5 | | 48.8 | 8.6 | | 9.4 | | 53.8 | 7.0 | | 6.7 | 9 | 35.1 | 50.4 | K |
| 9.5 | | 50.1 | 24.5 | | 9.2 | | 10.0 | 2.0 | | 9.5 | | 58.9 | 42.8 | | 9.5 | 54 | 19.6 | 37.9 | | 9.3 | | 47.2 | 41.1 | |
| 9.5 | | 59.5 | 39.0 | | 9.4 | | 12.7 | 39.5 | | 9.5 | 40 | 10.6 | 37.3 | | 8.5 | | 31.9 | 18.4 | K | 9.3 | | 55.6 | 38.3 | B |
| 9.2 | 19 | 7.5 | 14.3 | | 9.5 | | 23.5 | 39.3 | | 9.5 | | 26.5 | 19.5 | | 9.5 | | 59.4 | 0.7 | | 9.5 | 10 | 33.4 | 7.7 | |
| 9.5 | | 15.8 | 2.4 | | 9.2 | | 26.8 | 6.7 | | 8.4 | | 47.0 | 53.2 | K | 9.2 | | 59.4 | 0.3 | B | 9.0 | | 38.5 | 58.3 | |
| 8.8 | | 18.8 | 20.2 | | 9.5 | | 29.5 | 53.1 | a | 9.3 | | 58.1 | 46.6 | | 9.5 | 55 | 0.6 | 3.9 | | 9.5 | | 38.5 | 56.4 | |
| 9.2 | | 22.7 | 35.1 | | 8.2 | | 40.1 | 58.9 | K | 9.4 | 41 | 4.0 | 3.5 | | 9.1 | | 5.8 | 56.8 | ab | 9.4 | | 44.7 | 37.6 | |
| 9.5 | | 27.6 | 12.6 | | 9.0 | | 55.8 | 32.9 | K | 9.5 | | 40.2 | 23.5 | | 9.5 | | 13.6 | 36.8 | | 9.4 | | 46.2 | 43.8 | |
| 8.2 | | 28.0 | 52.9 | S | 9.4 | | 55.9 | 13.7 | B | 8.8 | | 51.4 | 6.2 | K | 9.3 | | 48.0 | 51.9 | a | 9.2 | 11 | 0.4 | 55.6 | a |
| 9.3 | | 48.6 | 1.8 | | 9.5 | 30 | 5.1 | 24.5 | | 9.3 | | 55.6 | 25.7 | | 9.1 | 56 | 21.2 | 21.4 | b | 9.0 | | 13.5 | 11.0 | |
| 9.5 | | 56.0 | 51.4 | | 9.2 | | 18.7 | 46.0 | a | 8.8 | | 56.7 | 11.1 | K | 8.6 | | 52.3 | 58.0 | | 9.5 | | 30.5 | 49.0 | a |
| 9.5 | 20 | 10.5 | 27.0 | a | 9.5 | | 37.5 | 27.7 | | 9.2 | 42 | 10.8 | 32.1 | | 9.5 | 57 | 3.3 | 55.8 | a | 8.3 | | 52.7 | 29.8 | |
| 9.5 | | 11.3 | 20.5 | | 9.0 | | 37.6 | 13.4 | K | 8.2 | | 25.4 | 16.5 | K | 9.5 | | 8.7 | 35.5 | | 9.0 | | 59.2 | 6.0 | |
| 8.9 | | 15.8 | 45.2 | | 9.5 | | 43.0 | 3.0 | | 9.3 | | 48.7 | 21.5 | | 9.2 | | 14.8 | 58.3 | a | 6.5 | 12 | 11.5 | 2.9 | K |
| 9.5 | | 32.5 | 1.2 | | 9.4 | | 51.4 | 58.2 | a | 9.2 | | 50.1 | 25.7 | K | 9.3 | | 58.4 | 43.2 | | 9.3 | | 24.7 | 30.0 | |
| 9.3 | | 35.8 | 8.0 | B | 9.5 | | 52.8 | 11.1 | | 9.5 | 43 | 1.9 | 55.1 | a | 8.7 | | 59.7 | 10.6 | K | 9.2 | | 28.6 | 3.1 | B |
| 9.2 | | 47.7 | 11.1 | K | 9.4 | | 55.4 | 54.8 | | 8.5 | | 22.3 | 20.0 | K | 9.2 | 58 | 6.7 | 22.7 | | 8.5 | | 37.7 | 52.7 | Kb |
| 8.3 | 21 | 4.5 | 14.1 | K | 8.8 | 31 | 12.0 | 26.7 | K | 9.3 | | 35.9 | 28.9 | | 9.4 | | 18.5 | 3.7 | | 9.4 | | 51.6 | 20.4 | B |
| 9.3 | | 22.8 | 32.0 | B | 9.1 | | 19.2 | 31.4 | B | 9.5 | | 41.4 | 53.3 | | 9.4 | | 35.4 | 41.8 | | 9.0 | | 58.2 | 27.9 | |
| 9.5 | | 32.1 | 57.6 | a | 9.3 | | 20.7 | 8.2 | | 9.1 | | 48.1 | 49.1 | ab | 9.5 | | 47.8 | 45.5 | | 9.5 | 13 | 7.7 | 4.6 | |
| 9.5 | | 42.5 | 56.4 | a | 9.1 | | 21.8 | 29.0 | | 9.3 | 44 | 46.1 | 25.1 | | 8.9 | | 49.8 | 1.0 | K | 9.5 | | 8.6 | 8.1 | |
| 9.3 | | 43.1 | 25.3 | | 8.9 | | 25.1 | 0.0 | | 9.5 | 45 | 6.7 | 11.0 | | 9.5 | | 51.3 | 45.7 | | 9.1 | 14 | 9.2 | 36.2 | |
| 9.3 | | 48.7 | 34.1 | | 8.9 | | 43.5 | 3.8 | | 9.5 | | 9.4 | 42.7 | | 8.2 | | 52.3 | 31.9 | L | 8.3 | | 11.9 | 22.8 | K |
| 9.3 | | 49.4 | 41.8 | | 8.5 | | 48.8 | 7.7 | K | 8.7 | | 50.2 | 10.1 | | 8.8 | | 58.0 | 50.9 | | 9.4 | | 25.0 | 42.9 | B |
| 8.5 | 22 | 8.2 | 35.6 | K | 9.4 | | 53.0 | 54.6 | a | 9.5 | | 57.0 | 2.7 | | 9.5 | 59 | 16.8 | 33.6 | | 9.5 | | 27.6 | 45.9 | |
| 9.5 | | 37.9 | 55.6 | a | 8.1 | | 54.5 | 40.5 | L | 9.2 | 46 | 29.6 | 37.1 | | 8.8 | | 25.9 | 29.2 | | 9.3 | | 28.2 | 16.2 | |
| 9.5 | | 57.0 | 52.4 | a | 8.6 | | 56.2 | 46.4 | | 7.0 | | 34.1 | 22.3 | K | 8.8 | | 26.1 | 38.3 | | 9.5 | | 40.2 | 46.6 | a |
| 9.5 | 23 | 4.9 | 55.6 | a | 9.4 | 32 | 6.0 | 1.4 | | 9.5 | | 56.2 | 15.8 | | 9.5 | | 32.2 | 21.5 | | 7.8 | 15 | 22.9 | 3.3 | K |
| 8.3 | | 8.2 | 35.1 | Lb | 7.7 | | 27.4 | 16.2 | L | 8.7 | | 58.5 | 39.8 | | 9.5 | 0 | 30.7 | 34.6 | | 9.0 | | 43.8 | 22.0 | K |
| 9.5 | | 12.2 | 47.7 | | 9.4 | | 34.1 | 31.3 | B | 8.5 | 47 | 22.9 | 4.2 | K | 9.3 | | 38.9 | 6.2 | | 8.8 | | 55.6 | 24.5 | K |
| 9.5 | | 33.9 | 16.8 | | 8.7 | 33 | 34.8 | 21.0 | K | 9.2 | | 29.8 | 46.0 | a | 9.5 | 1 | 6.5 | 52.6 | | 9.3 | 16 | 13.7 | 16.8 | |
| 9.3 | | 37.3 | 33.6 | | 9.0 | | 38.3 | 44.5 | | 9.5 | | 45.4 | 17.3 | | 9.5 | | 29.9 | 18.5 | | 9.4 | | 33.7 | 28.4 | |
| 9.0 | | 41.2 | 46.0 | | 9.4 | | 39.4 | 42.8 | | 8.9 | | 55.5 | 14.6 | R | 9.5 | | 38.7 | 35.8 | | 8.9 | | 37.9 | 52.8 | |
| 9.5 | | 49.1 | 50.2 | a | 9.5 | | 47.9 | 41.3 | | 9.5 | | 56.2 | 8.9 | | 9.4 | | 51.7 | 10.9 | | 8.5 | | 59.0 | 20.7 | |
| 9.0 | | 51.2 | 46.5 | K | 9.4 | 34 | 25.2 | 59.5 | a | 9.5 | 48 | 14.2 | 59.0 | | 9.5 | 2 | 4.3 | 7.2 | | 9.3 | 17 | 26.6 | 8.3 | aB |
| 9.5 | | 58.5 | 13.9 | | 9.5 | | 43.2 | 10.9 | | 9.5 | | 30.8 | 41.2 | B | 9.3 | | 11.5 | 1.8 | | 9.4 | | 28.4 | 18.4 | |
| 9.1 | 24 | 9.0 | 28.4 | b | 9.5 | 35 | 18.8 | 32.4 | | 9.4 | | 40.1 | 28.7 | | 9.0 | | 41.5 | 55.0 | b | 8.8 | | 29.4 | 8.1 | B |
| 9.2 | 25 | 20.0 | 13.8 | R | 9.2 | | 24.4 | 54.4 | a | 9.1 | | 53.5 | 27.6 | B | 9.5 | | 55.8 | 44.2 | | 6.5 | | 39.3 | 42.7 | L |
| 9.5 | | 40.5 | 14.9 | | 9.5 | | 37.6 | 36.5 | | 9.4 | 49 | 3.8 | 7.7 | | 9.4 | | 58.2 | 22.8 | | 9.5 | | 50.2 | 21.3 | |
| 9.4 | | 48.0 | 7.6 | | 9.0 | | 38.1 | 49.5 | | 8.0 | | 6.5 | 40.8 | K | 8.1 | 3 | 15.1 | 11.7 | K | 8.3 | 18 | 2.3 | 33.1 | |
| 8.4 | | 52.5 | 51.9 | K | 9.4 | | 55.0 | 43.6 | B | 9.5 | | 30.9 | 29.4 | | 9.5 | | 24.6 | 2.9 | | 9.4 | | 17.6 | 4.0 | |
| 9.5 | | 56.6 | 49.7 | | 8.9 | 36 | 2.2 | 46.5 | K | 9.5 | | 40.2 | 10.6 | | 9.3 | | 46.9 | 10.5 | aB | 9.5 | | 56.8 | 32.7 | B |
| 9.5 | 26 | 52.6 | 11.2 | B | 9.5 | | 20.3 | 33.6 | | 9.5 | | 59.0 | 3.7 | | 9.5 | 4 | 4.2 | 21.3 | | 9.5 | 19 | 28.9 | 0.0 | |
| 9.5 | 27 | 14.4 | 57.3 | | 8.9 | | 26.0 | 58.0 | | 9.1 | 50 | 1.1 | 13.6 | b | 9.3 | | 6.8 | 32.7 | | 9.0 | | 44.7 | 23.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 25.74 | 1.92 | | 10 pr. | | 25.90 | 2.04 | | 10 pr. | | 26.10 | 2.18 | | 10 pr. | | 26.37 | 2.34 | | 10 pr. | | 26.65 | 2.48 | |

| m | 4401—4460 21ˢ | +24° | | m | 4461—4520 21ˢ | +24° | | m | 4521—4580 21ˢ—22ˢ | +24° | | m | 4581—4640 22ˢ | +24° | | m | 4641—4700 22ˢ | +24° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.4 | 19′ 47.2″ | 24.4 | | 9.5 | 37′ 41.3″ | 0.7 | | 9.0 | 55′ 3.1″ | 21.0 | | 9.5 | 14′ 26.2″ | 16.7 | | 9.5 | 35′ 35.8″ | 13.8 | |
| 9.0 | 51.2 | 14.1 | | 9.3 | 56.0 | 20.6 | B | 9.4 | 31.6 | 33.8 | | 8.5 | 29.2 | 42.6 | R | 9.5 | 36 5.7 | 31.0 | |
| 9.1 | 20 21.8 | 21.7 | | 4.1 | 38 5.0 | 58.9 | K | 8.9 | 45.0 | 4.5 | K | 9.5 | 15 2.1 | 46.2 | | 9.5 | 13.1 | 24.9 | |
| 9.1 | 23.7 | 42.4 | *b* | 9.0 | 7.6 | 0.0 | B | 9.4 | 57 22.6 | 0.7 | | 9.3 | 31.3 | 8.6 | | 9.5 | 29.4 | 1.5 | |
| 9.4 | 21 34.5 | 19.1 | B | 7.8 | 14.7 | 12.3 | R | 7.5 | 53.0 | 57.7 | K | 8.7 | 16 0.1 | 31.4 | R | 9.3 | 37 43.5 | 1.0 | |
| 9.2 | 55.3 | 2.4 | K | 9.5 | 19.8 | 37.7 | | 8.9 | 58 31.5 | 56.8 | Kb | 9.3 | 10.7 | 15.9 | | 9.3 | 43.7 | 28.3 | |
| 9.2 | 22 7.8 | 19.0 | Bb | 8.2 | 25.6 | 1.0 | K | 9.3 | 49.6 | 33.1 | | 8.6 | 17 10.1 | 18.9 | K | 8.7 | 38 25.4 | 13.6 | |
| 9.5 | 9.0 | 55.5 | | 9.4 | 30.6 | 32.5 | B | 9.3 | 55.5 | 1.3 | | 9.2 | 29.7 | 5.4 | *b* | 9.5 | 25.8 | 34.9 | |
| 7.8 | 12.5 | 2.1 | K | 9.3 | 33.4 | 41.0 | | 8.7 | 59 30.0 | 30.6 | K | 9.5 | 18 4.2 | 43.6 | | 9.1 | 57.2 | 56.3 | |
| 9.3 | 27.7 | 26.2 | | 9.4 | 39 4.2 | 34.5 | | 9.2 | 32.7 | 16.4 | B | 9.4 | 19 18.7 | 57.8 | | 9.3 | 58.7 | 11.0 | |
| 8.5 | 49.5 | 49.3 | | 7.0 | 22.5 | 53.9 | K | 7.8 | 43.6 | 26.6 | K | 9.5 | 20 53.0 | 17.1 | | 9.3 | 39 33.8 | 17.2 | |
| 9.4 | 55.0 | 23.4 | B | 9.5 | 28.3 | 7.2 | | 8.7 | 0 16.0 | 26.2 | L | 9.4 | 21 11.0 | 11.6 | | 9.1 | 37.2 | 4.3 | |
| 8.7 | 23 0.6 | 2.4 | K | 6.8 | 48.4 | 53.7 | Kb | 4.0 | 18.1 | 39.0 | L | 7.5 | 23.1 | 8.9 | Kb | 9.5 | 39.7 | 32.0 | B |
| 9.3 | 24 11.3 | 9.6 | | 9.5 | 52.7 | 33.8 | | 9.5 | 24.5 | 4.2 | | 6.8 | 23.5 | 3.7 | K | 8.4 | 48.8 | 50.9 | B |
| 9.0 | 15.0 | 20.0 | | 9.2 | 40 13.6 | 4.5 | | 9.5 | 45.1 | 52.5 | | 9.5 | 22 15.6 | 53.5 | | 9.4 | 50.0 | 34.8 | |
| 8.5 | 23.2 | 8.7 | K | 9.5 | 44.2 | 42.5 | | 8.3 | 48.4 | 55.2 | | 9.5 | 32.0 | 46.7 | | 9.4 | 52.1 | 45.7 | |
| 9.2 | 36.3 | 8.8 | B | 8.7 | 41 8.7 | 11.7 | | 8.4 | 56.6 | 18.3 | K | 9.4 | 23 6.3 | 22.1 | | 8.7 | 40 8.5 | 18.6 | K |
| 8.8 | 38.5 | 30.0 | | 9.4 | 37.8 | 18.0 | | 9.5 | 1 8.5 | 4.2 | | 8.7 | 15.5 | 32.6 | | 9.5 | 18.4 | 29.0 | |
| 9.4 | 39.1 | 38.2 | | 9.0 | 41.9 | 37.9 | | 9.4 | 18.6 | 59.8 | | 9.3 | 24 39.3 | 35.2 | B | 9.5 | 19.7 | 19.5 | |
| 9.4 | 44.3 | 7.5 | | 9.2 | 42 43.6 | 48.0 | B | 7.0 | 37.3 | 50.4 | K | 9.5 | 25 6.7 | 15.6 | | 9.5 | 33.5 | 36.5 | *B* |
| 9.5 | 25 8.0 | 3.9 | | 9.5 | 44.2 | 51.8 | | 9.5 | 2 16.8 | 35.2 | | 9.4 | 8.6 | 7.6 | | 9.5 | 44.2 | 54.3 | |
| 9.5 | 14.7 | 3.5 | B | 9.2 | 52.7 | 37.0 | | 9.2 | 3 25.8 | 23.6 | B | 8.1 | 32.2 | 47.0 | K | 9.4 | 47.1 | 32.8 | |
| 9.2 | 20.2 | 44.1 | *a* | 7.5 | 43 37.2 | 54.6 | Kb | 9.5 | 33.2 | 20.6 | | 8.1 | 32.4 | 50.0 | K | 9.5 | 59.1 | 56.5 | |
| 8.0 | 22.0 | 33.1 | K | 8.6 | 58.3 | 19.7 | | 9.3 | 39.0 | 52.4 | | 8.4 | 26 3.6 | 54.6 | K | 9.5 | 41 14.7 | 30.7 | |
| 9.1 | 35.1 | 48.3 | *a* | 9.4 | 44 17.8 | 37.9 | | 8.2 | 39.6 | 37.8 | L | 9.5 | 5.5 | 11.7 | | 9.0 | 36.1 | 35.9 | Bb |
| 9.5 | 26 5.9 | 26.9 | B | 8.3 | 45 13.3 | 0.7 | B | 8.5 | 4 38.4 | 3.8 | K | 9.0 | 25.0 | 6.6 | B | 9.4 | 49.6 | 11.4 | B |
| 8.9 | 22.2 | 45.0 | B | 8.8 | 28.2 | 49.7 | | 9.4 | 5 12.3 | 52.2 | *a* | 9.5 | 45.3 | 0.4 | | 9.4 | 42 14.2 | 34.2 | B |
| 9.4 | 44.1 | 27.8 | B | 9.5 | 38.4 | 33.5 | | 6.5 | 24.4 | 14.9 | L | 8.5 | 50.9 | 20.9 | Kb | 8.7 | 33.7 | 13.1 | |
| 9.1 | 27 3.2 | 10.0 | *b* | 8.3 | 46 1.2 | 22.7 | L | 9.5 | 37.1 | 17.3 | | 9.3 | 50.9 | 12.9 | | 9.2 | 45.7 | 39.9 | |
| 9.4 | 53.4 | 39.2 | B | 9.0 | 6.2 | 5.8 | R | 8.3 | 38.4 | 45.9 | K | 9.2 | 51.0 | 38.3 | B | 9.3 | 43 18.3 | 35.8 | |
| 9.5 | 53.4 | 3.3 | | 8.5 | 6.7 | 9.6 | L | 9.4 | 6 5.9 | 45.7 | B | 9.4 | 27 5.7 | 41.3 | | 9.5 | 20.1 | 59.1 | |
| 9.5 | 28 45.8 | 55.6 | | 9.1 | 28.3 | 59.0 | | 9.5 | 27.2 | 42.1 | | 9.1 | 26.5 | 49.7 | *a* | 9.4 | 41.9 | 5.5 | |
| 8.5 | 55.3 | 31.0 | K | 9.5 | 47 0.5 | 11.6 | | 9.5 | 51.5 | 42.6 | | 9.3 | 45.0 | 4.8 | | 9.0 | 47.5 | 42.3 | K |
| 9.5 | 59.0 | 59.1 | | 9.0 | 10.9 | 55.9 | | 9.5 | 56.4 | 21.1 | | 9.3 | 52.0 | 51.1 | *a* | 9.5 | 44 1.7 | 25.2 | |
| 9.2 | 29 4.4 | 52.7 | *a* | 8.8 | 14.8 | 38.6 | K | 9.5 | 57.6 | 55.0 | *a* | 8.5 | 28 24.9 | 56.2 | L | 9.4 | 32.9 | 7.6 | B |
| 9.0 | 39.6 | 5.8 | K | 9.3 | 31.8 | 5.9 | B | 9.5 | 7 1.1 | 31.6 | | 9.5 | 42.0 | 19.9 | | 9.4 | 36.4 | 4.4 | |
| *9.5 | 46.3 | 1.7 | | 8.2 | 32.6 | 44.9 | K | 9.5 | 17.8 | 55.0 | *a* | 7.8 | 49.9 | 41.4 | K | 9.1 | 43.5 | 29.0 | *b* |
| 8.3 | 30 23.5 | 57.8 | K | 9.0 | 48 30.6 | 41.5 | | 9.5 | 23.9 | 58.1 | *a* | 9.5 | 29 15.2 | 12.7 | | 9.2 | 45 37.8 | 27.8 | B |
| 9.0 | 50.0 | 57.1 | Kb | 9.5 | 36.2 | 45.2 | | 9.5 | 56.4 | 26.3 | | 9.2 | 17.9 | 50.5 | | 9.5 | 46 15.9 | 34.7 | |
| 8.5 | 54.4 | 41.0 | | 9.5 | 42.3 | 35.5 | | 9.1 | 8 10.3 | 54.2 | *ab* | 9.5 | 55.5 | 12.3 | | 9.3 | 49.1 | 35.8 | Rb |
| 9.3 | 55.2 | 14.1 | | 9.3 | 48.1 | 35.5 | | 9.5 | 32.0 | 18.8 | | 9.5 | 30 25.7 | 47.1 | | 9.3 | 47 1.6 | 5.2 | B |
| 9.3 | 31 2.2 | 48.3 | | 8.5 | 56.7 | 21.0 | K | 9.4 | 58.5 | 1.0 | | 9.0 | 30.0 | 4.0 | | 9.5 | 48 41.8 | 27.5 | |
| 9.5 | 58.1 | 8.9 | B | 9.4 | 58.6 | 23.0 | | 9.2 | 9 11.1 | 12.9 | Kb | 8.9 | 31 18.5 | 18.3 | | 9.3 | 49 1.2 | 48.2 | |
| 9.5 | 58.2 | 7.9 | | 9.3 | 49 33.4 | 52.5 | | 9.5 | 49.0 | 8.9 | | 9.5 | 22.7 | 3.2 | | 9.5 | 56.6 | 59.0 | B |
| 6.7 | 32 13.4 | 51.8 | Lb | 9.3 | 47.1 | 12.4 | | 9.5 | 50.0 | 13.2 | | 9.5 | 34.2 | 6.8 | | 9.5 | 50 10.5 | 50.4 | |
| 9.5 | 18.2 | 11.7 | | 7.8 | 50 20.6 | 34.2 | K | 9.5 | 10 18.9 | 30.5 | | 9.4 | 50.5 | 28.5 | | 9.5 | 23.3 | 22.7 | |
| 9.3 | 39.7 | 10.6 | | 9.5 | 48.2 | 53.5 | | 8.6 | 34.6 | 4.6 | K | 9.4 | 51.8 | 49.0 | | 9.5 | 51 25.3 | 57.2 | |
| 9.5 | 42.7 | 31.0 | | 9.5 | 51 14.0 | 40.8 | | 9.5 | 11 5.4 | 21.9 | | 9.3 | 58.5 | 35.3 | B | 9.4 | 39.9 | 10.0 | |
| 8.6 | 33 10.6 | 17.7 | B | 8.3 | 15.2 | 4.1 | K | 9.2 | 26.7 | 2.0 | | 9.4 | 58.5 | 29.0 | | 8.3 | 57.3 | 9.1 | K |
| 8.5 | 39.5 | 19.7 | R | 9.5 | 39.6 | 52.8 | *a* | 8.8 | 33.0 | 46.3 | | 8.9 | 59.7 | 4.5 | B | 9.0 | 52 1.6 | 38.0 | |
| 9.5 | 34 6.2 | 55.8 | | 9.5 | 40.1 | 22.8 | | 8.3 | 47.8 | 15.8 | K | 9.3 | 33 3.0 | 11.5 | | 8.3 | 27.5 | 20.3 | K |
| 9.4 | 21.7 | 24.5 | | 9.5 | 52 3.7 | 59.7 | *a* | 9.4 | 54.7 | 46.3 | | 9.3 | 4.8 | 36.3 | Kb | 9.4 | 28.7 | 51.0 | |
| 9.4 | 35 52.9 | 0.1 | | 9.5 | 34.1 | 56.7 | | 9.4 | 12 13.0 | 1.8 | | 9.3 | 34.8 | 9.1 | | 9.2 | 33.8 | 28.8 | |
| 9.3 | 36 10.3 | 1.9 | | 9.3 | 53 1.2 | 21.8 | B | 9.2 | 14.0 | 15.3 | K | 8.9 | 52.5 | 41.1 | L | 8.3 | 42.5 | 51.8 | K |
| 7.7 | 36.4 | 51.8 | Kb | 8.7 | 16.4 | 36.6 | K | 9.4 | 39.6 | 4.2 | | 9.5 | 55.8 | 4.5 | | 9.2 | 53 23.2 | 3.8 | |
| 9.4 | 39.4 | 19.9 | B | 9.5 | 42.0 | 59.4 | *a* | 7.4 | 13 8.8 | 59.8 | K | 7.3 | 34 7.9 | 27.6 | K | 9.5 | 54 36.3 | 0.3 | |
| 8.7 | 59.2 | 19.4 | K | 9.5 | 57.1 | 21.6 | | 9.3 | 16.7 | 38.0 | | 8.8 | 30.2 | 5.7 | K | 9.2 | 36.9 | 59.2 | *b* |
| 9.0 | 37 12.9 | 53.8 | | 9.1 | 54 21.5 | 54.3 | *ab* | 9.3 | 50.2 | 21.3 | | 9.3 | 38.8 | 50.0 | | 9.5 | 37.4 | 7.5 | |
| 7.5 | 34.2 | 30.0 | L | 9.3 | 43.8 | 9.0 | B | 9.5 | 58.8 | 35.0 | | 9.5 | 35 5.7 | 11.8 | | 9.4 | 52.5 | 28.7 | |
| 8.8 | 39.7 | 40.0 | | 9.5 | 53.8 | 44.3 | B | 8.2 | 59.1 | 13.1 | K | 9.4 | 20.8 | 38.5 | *B* | 9.5 | 53.4 | 37.5 | |
| *10 pr.* | + *26.97* | + *2.63* | | *10 pr.* | + *27.35* | + *2.79* | | *10 pr.* | + *27.80* | + *2.93* | | *10 pr.* | + *28.31* | + *3.07* | | *10 pr.* | + *28.72* | + *3.16* | |

*4436ᵃ*

| | | | | |
|---|---|---|---|---|
| 9.5 | 29 | 43.4 | 4.5 | *a* |

| 4701—4738 | | | | | 4739—4775 | | | | | 4776—4812 | | | | | 4813—4849 | | | | | 4850—4886 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵐ—23ᵐ | | +24° | | | 23ᵐ | | +24° | | | 23ᵐ | | +24° | | | 23ᵐ | | +24° | | | 23ᵐ | | +24° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 54 | 54.4 | 44.8 | | | 9.2 | 9 | 14.3 | 40.0 | K | 7.8 | 19 | 45.9 | 36.2 | K | 8.1 | 33 | 26.0 | 58.5 | K | 9.1 | 44 | 39.8 | 6.8 | B |
| 8.6 | 56 | 18.7 | 44.9 | K | | 8.7 | | 28.1 | 45.1 | K | 8.1 | 20 | 14.8 | 40.4 | K | 8.7 | 34 | 38.8 | 26.4 | | 9.0 | | 41.1 | 12.3 | |
| 9.4 | | 49.4 | 25.5 | | | 9.5 | | 32.9 | 52.8 | | 6.5 | | 30.4 | 21.9 | Kb | 8.9 | | 47.0 | 49.4 | | 8.3 | 45 | 16.8 | 58.5 | K |
| 8.7 | | 51.8 | 23.3 | K | | 9.1 | | 45.5 | 55.3 | K | 9.3 | | 48.0 | 52.2 | | 9.5 | | 54.8 | 10.4 | B | 8.9 | | 38.6 | 1.1 | |
| 9.5 | 57 | 12.9 | 3.3 | | | 9.5 | | 53.0 | 11.0 | | 9.5 | 21 | 47.8 | 59.2 | | 9.3 | 35 | 12.9 | 24.2 | | 9.5 | | 45.4 | 4.3 | |
| 8.5 | 58 | 1.2 | 38.0 | | | 9.3 | 10 | 0.1 | 14.0 | | 9.4 | 22 | 11.9 | 0.6 | | 9.4 | | 13.6 | 8.9 | | 9.0 | 46 | 36.0 | 36.9 | |
| 9.2 | | 7.1 | 58.1 | | | 9.3 | | 22.4 | 14.0 | | 9.3 | | 17.7 | 33.3 | | 9.0 | | 29.5 | 36.9 | | 8.0 | | 57.5 | 20.3 | K |
| 9.5 | | 34.9 | 51.4 | | | 8.5 | | 52.5 | 5.9 | K | 9.1 | | 23.4 | 55.7 | K | 9.4 | 36 | 7.3 | 26.0 | | 9.5 | 47 | 6.4 | 44.6 | |
| 9.5 | | 44.5 | 43.1 | | | 9.5 | 11 | 14.8 | 18.7 | | 9.5 | | 33.1 | 53.3 | | 9.5 | | 17.4 | 32.1 | | 9.4 | | 47.1 | 15.5 | |
| 9.5 | | 55.4 | 44.7 | | | 9.3 | | 25.4 | 0.5 | | 9.5 | 23 | 11.2 | 21.9 | | 7.8 | | 17.5 | 17.2 | K | 9.2 | | 54.2 | 9.0 | |
| 9.2 | 59 | 4.8 | 41.0 | | | 8.6 | | 36.7 | 26.3 | Kb | 8.9 | | 15.6 | 50.3 | Kb | 9.5 | | 56.8 | 26.1 | | 9.2 | 48 | 16.4 | 23.0 | |
| 9.0 | | 7.5 | 18.9 | K | | 9.0 | | 55.4 | 48.3 | K | 9.5 | | 31.3 | 35.3 | | 9.2 | 37 | 14.5 | 15.0 | | 8.5 | | 17.1 | 20.3 | B |
| 8.9 | | 31.7 | 21.1 | K | | 9.4 | 12 | 8.0 | 4.5 | B | 9.5 | | 45.6 | 11.5 | | 9.1 | | 27.0 | 16.2 | | 8.6 | | 43.9 | 32.7 | L |
| 8.7 | | 48.2 | 14.5 | K | | 8.0 | 13 | 2.5 | 38.7 | K | 9.5 | 24 | 0.6 | 57.9 | | 9.5 | | 28.4 | 3.4 | | 9.0 | 50 | 1.5 | 18.4 | |
| 9.2 | | 55.6 | 1.5 | | | 9.2 | | 11.6 | 52.2 | *a* | 8.5 | 25 | 0.8 | 46.9 | | 8.8 | 38 | 10.5 | 52.1 | K | 9.0 | | 13.6 | 31.4 | |
| 5.3 | 0 | 6.2 | 40.8 | Kb | | 9.3 | | 58.2 | 46.4 | | 9.2 | | 8.2 | 27.3 | | 8.5 | | 18.5 | 39.9 | K | 4.3 | | 23.0 | 19.7 | L |
| 9.5 | 1 | 22.4 | 27.2 | | | 9.2 | 14 | 9.1 | 26.0 | | 8.5 | | 20.9 | 53.5 | B | 9.1 | | 40.6 | 27.0 | | 9.0 | | 47.4 | 55.7 | |
| 9.3 | | 24.3 | 24.7 | B | | 9.2 | | 13.0 | 3.0 | | 9.2 | 26 | 9.4 | 39.5 | | 9.5 | | 58.0 | 3.6 | | 9.5 | | 59.7 | 4.4 | |
| 8.6 | | 44.5 | 17.2 | K | | 8.5 | | 23.4 | 8.3 | K | 9.1 | | 56.0 | 3.7 | | 9.2 | 39 | 3.5 | 53.4 | | 8.5 | 51 | 28.5 | 40.0 | K |
| 9.1 | 2 | 12.1 | 35.2 | *b* | | 8.9 | | 37.3 | 21.3 | B | 9.3 | 27 | 9.4 | 49.7 | B | 9.4 | | 33.9 | 34.0 | | 8.9 | | 34.6 | 47.3 | |
| 9.5 | | 19.5 | 2.4 | | | 8.7 | | 42.0 | 25.4 | K | 9.5 | | 13.0 | 39.7 | | 9.5 | 40 | 10.1 | 57.3 | | 9.0 | | 46.8 | 0.0 | |
| 9.5 | 3 | 13.0 | 43.5 | | | 9.4 | 15 | 20.8 | 4.8 | B | 8.5 | | 16.0 | 28.0 | K | 7.0 | | 13.0 | 46.5 | K | 9.0 | 52 | 28.1 | 51.7 | K |
| 9.5 | | 49.9 | 54.1 | | | 8.8 | | 31.7 | 8.8 | K | 8.4 | | 58.6 | 28.9 | K | 9.5 | | 48.8 | 59.3 | | 9.0 | | 30.0 | 25.5 | K |
| 8.2 | 4 | 0.0 | 35.8 | K | | 9.1 | 16 | 2.3 | 57.7 | Kb | 9.2 | 28 | 25.1 | 26.5 | K | 6.8 | 41 | 13.2 | 51.1 | K | 9.2 | 54 | 1.5 | 27.9 | |
| 9.3 | | 11.2 | 32.5 | B | | 9.5 | | 12.4 | 56.0 | | 9.0 | 29 | 15.8 | 21.1 | | 9.0 | | 13.5 | 16.6 | Kb | 9.3 | | 6.9 | 49.5 | |
| 9.0 | | 18.1 | 51.4 | | | 8.3 | | 31.5 | 30.3 | K | 9.5 | | 21.9 | 1.9 | | 9.3 | | 44.7 | 36.7 | B | 9.5 | | 10.7 | 22.4 | |
| 9.1 | | 32.3 | 48.0 | *a* | | 9.0 | | 42.0 | 26.8 | L | 9.1 | | 38.0 | 4.4 | | 9.5 | | 45.0 | 13.8 | | 9.5 | | 16.8 | 57.8 | |
| 9.5 | | 43.4 | 56.6 | | | 9.0 | 17 | 0.4 | 13.5 | | 8.3 | 30 | 2.7 | 56.7 | K | 9.0 | | 52.0 | 10.4 | | 8.9 | | 24.3 | 26.8 | |
| 9.3 | | 44.9 | 49.0 | | | 9.4 | | 5.5 | 43.8 | | 9.5 | | 8.9 | 8.1 | | 8.1 | | 56.0 | 33.4 | K | 8.3 | 55 | 4.0 | 20.0 | R |
| 8.9 | 5 | 7.4 | 17.5 | | | 9.3 | | 9.0 | 44.8 | B | 9.4 | | 11.8 | 16.0 | | 9.5 | 42 | 5.9 | 35.9 | | 9.2 | | 30.9 | 0.2 | |
| 8.2 | | 35.8 | 47.1 | K | | 9.5 | | 18.8 | 47.8 | B | 8.5 | | 17.9 | 2.9 | K | 8.6 | | 7.7 | 57.3 | K | 9.2 | | 57.7 | 20.4 | |
| 9.5 | 6 | 42.9 | 48.6 | | | 7.8 | | 35.3 | 42.1 | K | 9.4 | | 40.3 | 21.8 | B | 6.8 | | 51.6 | 2.8 | L | 9.4 | 57 | 13.1 | 27.5 | |
| 8.2 | | 54.4 | 39.7 | K | | 9.4 | 18 | 13.7 | 53.3 | | 9.5 | | 44.4 | 6.7 | | 9.4 | 43 | 2.4 | 52.8 | | 9.4 | | 35.2 | 19.3 | B |
| 9.0 | 7 | 58.8 | 52.5 | R | | 9.5 | | 19.1 | 2.3 | | 8.8 | 31 | 26.7 | 26.5 | | 8.3 | | 22.0 | 29.4 | L | 9.5 | 58 | 15.8 | 47.6 | |
| 9.3 | 8 | 5.2 | 50.1 | *a* | | 7.1 | | 29.8 | 9.9 | K | 9.3 | | 34.3 | 0.3 | | 9.0 | | 23.0 | 23.5 | | 9.5 | | 27.9 | 47.9 | |
| 8.6 | | 9.4 | 42.4 | | | 8.0 | | 54.2 | 52.6 | K | 9.2 | 32 | 16.8 | 30.9 | | 8.9 | 44 | 21.8 | 33.4 | K | 6.8 | | 35.0 | 6.7 | K |
| 7.0 | | 16.9 | 52.8 | L*b* | | 9.5 | 19 | 10.4 | 1.9 | | 9.4 | 33 | 9.2 | 28.1 | | 9.5 | | 36.0 | 45.0 | *B* | 9.5 | | 37.1 | 56.3 | |
| 8.1 | | 27.9 | 9.4 | R | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *29.19* | *3.24* | | | *10pr.* | | *29.51* | *3.27* | | *10pr.* | | *29.84* | *3.30* | | *10pr.* | | *30.17* | *3.33* | | *10pr.* | | *30.48* | *3.34* | |

# Zone +25°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | +25° | | | 0h | +25° | | | 0h | +25° | | | 0h | +25° | | | 0h—1h | +25° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.4 | 0 28.4 | 8.7 | a | 9.5 | 14 58.4 | 33.1 | | 8.8 | 28 42.2 | 21.5 | K | 9.4 | 40 59.4 | 4.2 | | 8.5 | 56 17.3 | 49.4 | K |
| 9.3 | 43.8 | 36.5 | | 9.5 | 15 41.1 | 41.0 | | 9.5 | 29 9.3 | 54.9 | | 9.2 | 41 28.4 | 50.0 | a | 9.4 | 39.9 | 20.8 | |
| 9.5 | 1 4.8 | 29.1 | | 9.5 | 49.5 | 32.5 | | 9.4 | 15.0 | 39.7 | | 8.8 | 31.9 | 34.0 | K | 9.4 | 48.2 | 11.0 | |
| 9.5 | 11.5 | 16.0 | a | 9.5 | 56.2 | 24.6 | | 8.8 | 17.3 | 22.5 | | 9.0 | 43 23.8 | 40.1 | | 9.1 | 57 18.7 | 27.3 | ab |
| 9.3 | 21.9 | 28.0 | | 9.5 | 16 11.9 | 55.8 | | 9.2 | 21.4 | 2.2 | a | 9.3 | 31.9 | 55.5 | | 8.3 | 58 21.0 | 56.9 | B |
| 9.3 | 25.8 | 12.5 | B | 8.4 | 50.0 | 35.5 | K | 9.5 | 25.6 | 19.7 | | 9.3 | 33.5 | 51.8 | a | 9.3 | 49.3 | 35.1 | |
| 8.7 | 44.2 | 13.9 | K | 9.5 | 17 19.1 | 29.7 | | 8.3 | 30 6.6 | 18.8 | K | 9.5 | 44 25.8 | 5.8 | B | 9.5 | 59 41.0 | 1.0 | |
| 9.5 | 47.9 | 15.0 | | 9.5 | 31.2 | 38.6 | | 9.0 | 7.5 | 18.0 | B | 9.5 | 26.4 | 28.3 | | 9.5 | 41.5 | 7.6 | |
| 8.5 | 2 7.4 | 52.0 | Kb | 9.5 | 54.5 | 20.0 | | 8.5 | 8.9 | 31.1 | K | 9.5 | 29.6 | 9.3 | a | 9.1 | 0 2.9 | 14.7 | a |
| 9.5 | 3 34.9 | 40.5 | | 9.5 | 56.3 | 48.0 | | 8.1 | 12.9 | 2.3 | K | 9.3 | 39.8 | 47.9 | | 8.9 | 30.8 | 8.0 | K |
| 9.5 | 38.8 | 30.8 | a | 9.5 | 18 14.9 | 8.6 | a | 8.8 | 42.1 | 38.3 | K | 8.0 | 44.3 | 46.9 | B | 9.1 | 34.7 | 32.2 | ab |
| 9.5 | 4 12.9 | 11.5 | | 8.8 | 38.6 | 4.3 | | 6.5 | 31 19.8 | 31.8 | K | 9.5 | 45 47.1 | 2.8 | | 9.5 | 53.4 | 27.8 | |
| 9.5 | 59.3 | 43.5 | | 9.5 | 19 7.1 | 15.0 | | 8.6 | 48.7 | 55.6 | K | 9.4 | 46 14.8 | 14.0 | | 9.1 | 59.0 | 48.4 | a |
| 9.5 | 5 14.2 | 42.5 | | 9.5 | 14.8 | 54.7 | | 9.5 | 32 15.8 | 52.8 | | 9.1 | 47 24.8 | 47.0 | | 9.5 | 1 21.8 | 45.6 | |
| 9.0 | 43.4 | 31.2 | | 7.5 | 50.8 | 29.3 | K | 9.4 | 21.0 | 14.3 | | 8.5 | 46.1 | 35.9 | | 9.5 | 22.2 | 26.8 | |
| 8.5 | 50.8 | 0.9 | K | 9.2 | 56.2 | 36.6 | a | 7.8 | 37.0 | 52.6 | L | 8.0 | 48 56.9 | 33.3 | K | 9.5 | 46.3 | 52.8 | |
| 9.5 | 6 8.3 | 30.1 | | 9.2 | 57.1 | 43.1 | a | 8.8 | 33 45.1 | 6.0 | Kb | 9.5 | 49 13.2 | 55.4 | a | 9.5 | 56.0 | 7.1 | |
| 7.4 | 39.2 | 27.3 | K | 9.0 | 20 52.4 | 43.5 | | 9.5 | 47.2 | 26.0 | | 9.5 | 23.1 | 47.7 | B | 9.5 | 59.2 | 25.8 | |
| 8.7 | 48.6 | 27.7 | K | 9.5 | 59.1 | 19.4 | | 9.3 | 49.5 | 55.5 | | 9.4 | 51.1 | 15.6 | | 9.5 | 59.3 | 39.4 | |
| 9.4 | 7 11.9 | 23.9 | | 9.5 | 21 29.3 | 7.7 | | 9.3 | 53.0 | 44.1 | | 9.4 | 52.4 | 53.3 | | 9.2 | 2 42.1 | 24.8 | a |
| 9.4 | 14.0 | 51.1 | | 7.9 | 49.5 | 42.4 | K | 9.2 | 34 4.1 | 1.3 | a | 9.4 | 50 10.6 | 28.7 | | 9.5 | 49.5 | 33.5 | |
| 9.2 | 8 13.8 | 34.9 | a | 9.5 | 22 43.6 | 6.4 | | 8.3 | 7.1 | 58.0 | B | 9.5 | 49.0 | 7.1 | | 9.5 | 55.2 | 2.0 | |
| 9.2 | 30.6 | 1.8 | a | 9.5 | 23 13.1 | 8.8 | | 9.1 | 33.2 | 50.7 | a | 9.4 | 51 18.8 | 7.8 | | 9.5 | 3 12.9 | 54.2 | |
| 9.0 | 39.0 | 38.0 | K | 9.5 | 27.8 | 22.2 | | 8.8 | 35.4 | 7.8 | K | 9.3 | 47.5 | 20.3 | a | 9.5 | 25.0 | 33.6 | |
| 8.8 | 50.9 | 17.8 | K | 9.0 | 41.5 | 40.5 | | 9.5 | 57.4 | 50.7 | | 9.5 | 52 22 7 | 32.2 | | 8.7 | 25.4 | 4.4 | K |
| 9.4 | 10 11.1 | 40.1 | | 9.5 | 24 15.0 | 27.5 | | 9.5 | 35 6.2 | 3.9 | | 9.5 | 27.7 | 56.2 | | 9.5 | 4 23.2 | 24.7 | |
| 8.8 | 13.9 | 46.6 | K | 8 9 | 40.8 | 0.7 | | 9.5 | 36 10.1 | 25.0 | | 8.5 | 37.3 | 37.9 | K | 9.5 | 25.4 | 56.1 | |
| 9.5 | 40.0 | 9.1 | | 9.4 | 58.2 | 12.6 | | 9.5 | 35.6 | 7.5 | | 8.8 | 53 2.4 | 22.7 | | 8.8 | 57.7 | 13.5 | |
| 7.0 | 58.8 | 21.1 | K | 9.5 | 25 15.9 | 42.8 | | 9.5 | 51.5 | 38.4 | | 9.4 | 10.4 | 7.8 | | 9.3 | 5 11.8 | 2.5 | |
| 9.5 | 11 9.5 | 0.1 | a | 9.5 | 57.6 | 32.0 | | 8.4 | 54.4 | 57.8 | | 8.2 | 20.9 | 41.5 | K | 9.4 | 26.5 | 54.0 | |
| 9.5 | 22.9 | 33.2 | a | 9.5 | 26 12.4 | 13.0 | | 9.1 | 37 55.3 | 2.3 | Kb | 9.4 | 42.0 | 44.5 | | 9.5 | 35.4 | 16.7 | |
| 9.5 | 28.4 | 58.4 | | 9.5 | 13.8 | 27.3 | B | 7.0 | 38 4.5 | 22.9 | K | 9.5 | 43.5 | 11.6 | | 7.5 | 39.3 | 41.0 | K |
| 9.2 | 46.5 | 12.5 | a | 9.5 | 19.5 | 55.8 | | 9.5 | 14.4 | 38.4 | | 9.5 | 54 7.7 | 33.2 | | 9.3 | 44.2 | 15.4 | |
| 7.3 | 50.5 | 39.7 | Kb | 9.5 | 26.5 | 56.1 | | 9.4 | 42.9 | 58.8 | | 9.2 | 51.8 | 58.8 | | 7.5 | 50.7 | 28.5 | L |
| 9.5 | 12 53.2 | 4.6 | | 9.5 | 48.9 | 3.3 | B | 8.8 | 39 18.5 | 15.7 | K | 9.2 | 54.9 | 52.1 | | 9.2 | 6 1.4 | 38.2 | a |
| 9.5 | 13 11.1 | 24.5 | | 9.5 | 54.6 | 56.6 | | 8.9 | 37.2 | 29.1 | | 7.0 | 55 0.4 | 32.1 | K | 9.1 | 2.0 | 30.2 | a |
| 8.0 | 13.8 | 41.1 | K | 9.0 | 27 5.5 | 15.3 | K | 8.6 | 49.8 | 26.5 | R | 9.5 | 2.2 | 42.2 | | 8.3 | 13.1 | 3.4 | K |
| 9.5 | 33.5 | 50.7 | | 8.1 | 17.1 | 39.4 | K | 7.0 | 40 0.9 | 29.1 | K | 8.0 | 44.6 | 31.9 | K | 9.2 | 40.8 | 9.5 | K |
| 9.5 | 52.9 | 42.1 | | 9.5 | 19.4 | 49.5 | | 9.2 | 34.5 | 26.0 | | 9.5 | 56 14.0 | 16.1 | | 9.5 | 52.2 | 10.7 | |
| 9.5 | 14 19.2 | 58.3 | | 9.5 | 28 27.2 | 25.6 | | 9.1 | 41.5 | 39.7 | | 8.6 | 13.7 | 47.8 | | 8.5 | 55.2 | 40.5 | K |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10 pr. | 30.92 | 3.34 | | 10 pr. | 31.33 | 3.33 | | 10 pr. | 31.67 | 3.30 | | 10 pr. | 32.10 | 3.26 | | 10 pr. | 32.44 | 3.22 | |

+25° 1ᵐ—3ᵐ

201—260

| m | 1ᵐ | +25° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 7 14.1 | 49.0 | |
| 9.5 | 20.3 | 6.6 | |
| 9.5 | 38.5 | 47.2 | |
| 9.5 | 58.5 | 54.2 | |
| 7.0 | 8 11.8 | 0.2 | Kb |
| 9.2 | 44.9 | 40.6 | a |
| 9.1 | 53.2 | 16.2 | a |
| 9.5 | 9 16.9 | 47.4 | |
| 9.4 | 22.9 | 29.0 | |
| 9.0 | 27.2 | 31.5 | |
| 7.7 | 10 14.3 | 41.6 | L |
| 8.4 | 22.9 | 20.3 | |
| 8.8 | 26.8 | 58.5 | |
| 9.3 | 11 5.3 | 7.9 | B |
| 9.5 | 30.6 | 10.2 | |
| 9.0 | 12 16.1 | 15.5 | |
| 9.5 | 25.8 | 40.4 | |
| 9.5 | 29.6 | 35.2 | |
| 9.2 | 42.5 | 25.7 | |
| 9.3 | 51.5 | 43.7 | |
| 9.4 | 52.8 | 37.6 | |
| 9.2 | 13 14.6 | 42.8 | |
| 9.5 | 27.4 | 28.3 | |
| 8.7 | 14 0.3 | 48.7 | K |
| 9.5 | 8.2 | 22.9 | B |
| 9.0 | 14.7 | 42.6 | |
| 9.0 | 24.1 | 51.0 | |
| 8.1 | 39.9 | 48.6 | K |
| 9.5 | 54.0 | 54.8 | |
| 9.5 | 15 1.8 | 51.0 | |
| 9.5 | 45.9 | 18.0 | |
| 8.2 | 53.6 | 9.3 | L |
| 9.2 | 55.2 | 23.3 | a |
| 8.9 | 16 16.5 | 57.0 | K |
| 9.4 | 33.2 | 42.8 | |
| 9.4 | 40.7 | 0.1 | a |
| 9.5 | 17 0.4 | 12.3 | |
| 8.5 | 5.7 | 46.0 | K |
| 9.5 | 35.8 | 34.0 | |
| 9.0 | 51.0 | 25.8 | B |
| 9.5 | 18 0.3 | 22.2 | |
| 9.5 | 1.7 | 26.2 | |
| 9.3 | 5.9 | 30.5 | |
| 9.4 | 13.0 | 37.6 | |
| 9.5 | 34.8 | 53.8 | |
| 8.1 | 54.9 | 45.2 | B |
| 9.1 | 19 23.4 | 2.6 | a |
| 9.5 | 50.1 | 31.0 | |
| 9.5 | 20 11.0 | 41.3 | |
| 9.5 | 11.8 | 50.7 | |
| 9.5 | 42.8 | 50.4 | |
| 9.5 | 47.8 | 38.6 | |
| 9.5 | 58.2 | 0.5 | |
| 9.5 | 21 3.3 | 52.3 | |
| 9.5 | 24.1 | 25.2 | |
| 8.2 | 22 29.5 | 59.4 | K |
| 8.0 | 39.6 | 36.0 | B |
| 7.0 | 39.8 | 8.7 | Kb |
| 8.3 | 49.9 | 44.5 | K |
| 9.5 | 23 9.9 | 58.0 | |
| | + | + | |
| 10pr. | 32.78 | 3.16 | |

261—320

| m | 1ᵐ | +25° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 23 53.4 | 54.5 | |
| 9.5 | 24 52.3 | 18.0 | B |
| 8.6 | 52.7 | 52.5 | K |
| 9.0 | 25 49.2 | 45.4 | |
| 7.4 | 27 23.1 | 56.0 | K |
| 9.5 | 28 23.2 | 8.6 | |
| 9.0 | 32.8 | 18.0 | |
| 9.3 | 29 0.6 | 54.1 | |
| 8.0 | 52.5 | 9.9 | Kb |
| 9.4 | 54.4 | 3.2 | |
| 8.7 | 30 44.6 | 42.0 | K |
| 8.7 | 45.1 | 54.1 | |
| 9.5 | 31 12.9 | 31.0 | |
| 8.7 | 56.8 | 45.1 | Kb |
| 9.2 | 32 36.9 | 59.4 | |
| 6.0 | 33 14.7 | 0.5 | K |
| 9.5 | 19.4 | 4.9 | |
| 9.0 | 34.2 | 52.8 | |
| 8.9 | 46.5 | 43.4 | |
| 9.0 | 48.0 | 24.8 | K |
| 9.5 | 34 20.0 | 8.6 | |
| 9.4 | 36 2.1 | 34.5 | |
| 9.4 | 7.5 | 56.5 | |
| 9.4 | 20.2 | 50.7 | |
| 9.5 | 28.9 | 2.2 | B |
| 9.4 | 29.3 | 54.6 | |
| 9.5 | 38.6 | 2.9 | |
| 7.3 | 44.1 | 3.6 | K |
| 9.4 | 55.3 | 59.6 | |
| 9.0 | 55.5 | 45.9 | |
| 9.5 | 37 0.0 | 39.0 | |
| 9.4 | 17.2 | 2.1 | |
| 8.4 | 43.1 | 40.0 | K |
| 9.5 | 38 27.1 | 13.5 | |
| 7.3 | 40.2 | 11.4 | K |
| 9.5 | 47.0 | 5.3 | |
| 7.0 | 57.1 | 26.2 | K |
| 9.0 | 39 6.8 | 41.7 | |
| 9.5 | 7.9 | 56.0 | |
| 9.5 | 35.9 | 23.4 | |
| 9.5 | 42.7 | 53.5 | |
| 9.5 | 40 7.8 | 11.4 | |
| 8.4 | 9.1 | 32.4 | L |
| 9.4 | 43.7 | 46.9 | B |
| 6.5 | 41 20.6 | 45.8 | K |
| 9.3 | 21.0 | 26.9 | |
| 8.2 | 48.5 | 1.0 | Kb |
| 8.7 | 49.4 | 6.5 | |
| 9.5 | 42 35.1 | 57.5 | |
| 9.5 | 38.6 | 48.9 | |
| 7.7 | 51.8 | 7.6 | Kb |
| 9.0 | 54.5 | 31.7 | |
| 8.9 | 43 10.1 | 31.7 | |
| 8.0 | 44 5.5 | 28.0 | B |
| 9.5 | 25.9 | 55.6 | |
| 8.6 | 32.3 | 46.0 | |
| 7.0 | 45 5.8 | 18.2 | K |
| 9.4 | 10.5 | 1.0 | |
| 7.5 | 47.2 | 4.0 | K |
| 9.4 | 46 59.8 | 38.2 | |
| | + | + | |
| 10pr. | 33.33 | 3.05 | |

321—380

| m | 1ᵐ—2ᵐ | +25° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 47 1.4 | 18.3 | |
| 9.5 | 19.0 | 28.0 | |
| 8.0 | 24.2 | 24.3 | B |
| 9.5 | 37.3 | 59.2 | |
| 9.5 | 54.7 | 47.5 | |
| 9.5 | 48 7.9 | 4.8 | |
| 9.5 | 49 1.0 | 10.3 | |
| 9.0 | 2.8 | 8.1 | Kb |
| 9.0 | 4.1 | 34.8 | |
| 9.5 | 7.2 | 53.5 | |
| 9.5 | 45.3 | 35.8 | a |
| 8.7 | 49.4 | 47.1 | |
| 8.6 | 50 13.5 | 4.7 | Kb |
| 9.0 | 19.0 | 32.7 | |
| 9.5 | 51 23.7 | 53.1 | |
| 9.4 | 53 22.8 | 36.5 | |
| 8.9 | 49.0 | 32.0 | |
| 9.5 | 54 22.0 | 30.1 | B |
| 8.5 | 54.1 | 22.8 | |
| 8.0 | 55 14.2 | 48.9 | B |
| 6.0 | 26.6 | 14.0 | Kb |
| 9.4 | 57.1 | 52.2 | |
| 7.2 | 56 9.0 | 13.8 | K |
| 8.5 | 23.9 | 34.3 | |
| 9.5 | 26.0 | 17.1 | |
| 9.2 | 57 18.5 | 28.8 | |
| 9.1 | 58 10.9 | 19.2 | |
| 7.4 | 31.3 | 8.6 | L |
| 6.5 | 38.0 | 0.3 | K |
| 7.6 | 41.2 | 37.7 | B |
| 9.5 | 59 27.3 | 24.7 | |
| 9.1 | 43.7 | 35.3 | |
| 9.5 | 58.7 | 48.8 | |
| 8.5 | 1 3.0 | 15.3 | B |
| 5.0 | 11.2 | 15.9 | Kb |
| 9.1 | 30.2 | 41.6 | |
| 8.7 | 35.4 | 48.9 | K |
| 8.8 | 36.5 | 30.9 | |
| 9.4 | 2 38.6 | 2.7 | |
| 9.5 | 42.2 | 40.2 | |
| 9.4 | 50.0 | 10.2 | |
| 6.8 | 57.9 | 14.4 | Kb |
| 8.3 | 3 13.0 | 25.1 | K |
| 9.4 | 33.2 | 59.3 | |
| 9.3 | 58.0 | 55.1 | |
| 9.3 | 4 22.9 | 40.5 | |
| 9.5 | 58.4 | 51.7 | |
| 7.3 | 5 46.0 | 57.0 | K |
| 9.5 | 6 3.5 | 43.7 | |
| 9.5 | 45.5 | 20.9 | |
| 9.3 | 7 5.9 | 37.3 | B |
| 8.4 | 22.2 | 58.1 | |
| 6.1 | 28.2 | 6.4 | Lb |
| 9.5 | 8 6.5 | 40.7 | |
| 9.5 | 15.4 | 20.5 | |
| 9.4 | 56.2 | 24.3 | |
| 9.2 | 9 20.6 | 12.5 | K |
| 9.3 | 10 56.3 | 5.7 | Rb |
| 9.4 | 11 3.1 | 22.0 | |
| 9.4 | 18.8 | 52.9 | a |
| | + | + | |
| 10pr. | 33.89 | 2.90 | |

381—440

| m | 2ᵐ | +25° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 11 43.3 | 52.5 | |
| 9.4 | 12 20.8 | 38.8 | |
| 9.5 | 25.1 | 55.5 | |
| 8.9 | 13 18.8 | 25.4 | |
| 8.9 | 20.7 | 51.0 | |
| 9.4 | 32.5 | 25.0 | |
| 8.8 | 56.7 | 30.2 | K |
| 8.7 | 57.5 | 36.4 | B |
| 9.0 | 58.0 | 34.6 | Kb |
| 9.5 | 14 7.4 | 50.2 | |
| 9.4 | 53.6 | 10.2 | B |
| 9.0 | 15 1.8 | 10.5 | B |
| 9.1 | 7.5 | 43.3 | ab |
| 8.8 | 16 42.5 | 32.6 | |
| 9.0 | 45.7 | 45.5 | |
| 9.1 | 17 28.8 | 54.7 | ab |
| 9.1 | 44.3 | 5.5 | a |
| 7.5 | 18 37.9 | 23.6 | L |
| 9.5 | 57.1 | 35.4 | |
| 9.3 | 19 21.0 | 39.1 | |
| 9.4 | 22.0 | 50.5 | |
| 9.5 | 35.2 | 21.0 | |
| 9.5 | 40.6 | 40.2 | |
| 9.2 | 49.5 | 11.4 | K |
| 9.5 | 50.1 | 20.0 | |
| 9.1 | 20 11.7 | 54.9 | ab |
| 9.5 | 36.8 | 8.8 | |
| 9.5 | 21 15.5 | 37.1 | |
| 9.5 | 39.6 | 37.3 | |
| 9.5 | 50.9 | 53.5 | |
| 9.3 | 22 28.5 | 49.5 | |
| 9.2 | 31.9 | 7.0 | b |
| 9.5 | 46.3 | 44.5 | B |
| 9.4 | 23 3.9 | 38.3 | |
| 9.5 | 39.8 | 46.5 | |
| 9.1 | 50.4 | 56.6 | ab |
| 9.0 | 24 3.2 | 36.5 | |
| 9.5 | 15.3 | 54.0 | |
| 9.4 | 27.2 | 29.5 | |
| 8.8 | 41.8 | 37.7 | |
| 9.5 | 44.6 | 41.5 | |
| 9.5 | 26 21.9 | 2.8 | B |
| 8.7 | 27 7.2 | 47.6 | |
| 9.5 | 38.8 | 36.7 | |
| 9.5 | 28 9.8 | 43.6 | |
| 8.8 | 29 18.0 | 50.3 | |
| 9.5 | 26.1 | 8.9 | |
| 8.6 | 33.5 | 34.0 | Kb |
| 9.5 | 30 6.8 | 45.3 | |
| 8.8 | 12.1 | 36.4 | K |
| 8.9 | 19.0 | 54.0 | |
| 8.7 | 57.5 | 14.7 | K |
| 9.1 | 31 10.8 | 21.2 | a |
| 9.1 | 36.0 | 49.4 | a |
| 9.5 | 32 9.8 | 16.4 | |
| 8.0 | 17.2 | 59.9 | R |
| 8.5 | 33 38.3 | 14.1 | B |
| 8.7 | 34 2.0 | 53.2 | |
| 9.4 | 9.4 | 8.1 | |
| 9.5 | 36.6 | 28.8 | |
| | + | + | |
| 10pr. | 34.43 | 2.72 | |

441—500

| m | 2ᵐ—3ᵐ | +25° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 6.7 | 35 26.4 | 1.8 | L |
| 9.5 | 41.5 | 30.2 | |
| 9.5 | 36 18.8 | 54.7 | |
| 9.3 | 30.1 | 37.1 | Bb |
| 9.5 | 39.5 | 14.8 | |
| 9.4 | 37 1.0 | 54.5 | |
| 9.5 | 27.5 | 34.4 | |
| 9.5 | 38.2 | 52.2 | |
| 8.0 | 46.5 | 3.3 | Kb |
| 9.5 | 38 56.3 | 20.6 | a |
| 9.5 | 39 18.8 | 51.3 | |
| 8.6 | 40 13.8 | 32.7 | L |
| 9.5 | 18.0 | 3.9 | B |
| 9.5 | 42 10.6 | 54.7 | |
| 9.5 | 44 29.7 | 26.4 | B |
| 8.8 | 39.8 | 19.0 | Bb |
| 9.5 | 45 35.1 | 44.6 | |
| 9.5 | 46 1.2 | 58.5 | |
| 8.8 | 48.7 | 56.6 | |
| 9.0 | 47 1.2 | 36.0 | |
| 9.4 | 2.3 | 17.1 | |
| 9.5 | 5.6 | 51.6 | |
| 9.5 | 8.9 | 50.7 | B |
| 9.5 | 8.9 | 42.5 | |
| 8.2 | 36.1 | 30.2 | K |
| 9.3 | 48 4.6 | 0.6 | |
| 8.6 | 46.3 | 57.9 | K |
| 9.5 | 54.5 | 58.8 | |
| 9.1 | 49 0.4 | 57.3 | a |
| 9.1 | 22.5 | 17.5 | Kb |
| 9.1 | 30.1 | 23.6 | a |
| 9.5 | 50 26.2 | 46.8 | |
| 9.3 | 44.5 | 51.8 | |
| 9.5 | 51 30.1 | 34.8 | |
| 9.5 | 53 7.5 | 13.3 | |
| 9.5 | 22.5 | 27.1 | |
| 5.8 | 22.8 | 54.0 | K |
| 9.5 | 59.5 | 32.0 | B |
| 9.1 | 54 40.8 | 29.2 | ab |
| 9.4 | 55 15.5 | 42.7 | |
| 9.5 | 24.9 | 58.8 | |
| 9.5 | 56 4.6 | 7.8 | |
| 9.5 | 37.8 | 28.9 | |
| 8.4 | 59.1 | 18.1 | B |
| 9.0 | 57 0.5 | 39.2 | B |
| 9.4 | 1.3 | 45.5 | |
| 8.9 | 39.2 | 27.1 | |
| 9.5 | 53.9 | 59.7 | |
| 9.5 | 58 25.5 | 24.7 | |
| 9.2 | 38.0 | 56.8 | |
| 9.5 | 40.6 | 9.9 | |
| 9.4 | 42.4 | 17.1 | |
| 9.1 | 59 1.5 | 22.4 | |
| 9.3 | 23.4 | 29.1 | |
| 7.9 | 53.8 | 48.1 | B |
| 8.5 | 54.5 | 24.6 | B |
| 8.0 | 0 9.8 | 1.8 | Kb |
| 9.5 | 20.9 | 42.0 | |
| 9.5 | 24.4 | 48.5 | |
| 8.8 | 1 9.2 | 44.0 | K |
| | + | + | |
| 10pr | 35.02 | 2.47 | |

| 5o1—56o | | | | 56 1—62o | | | | 62 1—68o | | | | 68 1—74o | | | | 74 1—80o | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3h | | +25° | | 3h | | +25° | | 3h—4h | | +25° | | 4h | | +25° | | 4h—5h | | +25° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 1 | 20.6 | 22.3 | | 8.8 | 22 | 31.8 | 55.5 | | 9.1 | 41 | 10.5 | 12.1 | B | 8.4 | 3 | 1.6 | 36.3 | | 9.5 | 42 | 41.5 | 2.6 | |
| 9.1 | | 42.7 | 31.2 | b | 9.2 | | 33.4 | 44.5 | | 9.3 | | 16.1 | 29.4 | | 8.5 | | 39.7 | 39.4 | Kb | 9.0 | | 42.9 | 43.9 | Kb |
| 9.2 | | 45.5 | 46.0 | | 8.9 | | 37.4 | 39.6 | B | 8.8 | | 17.2 | 35.8 | B | 9.5 | 5 | 5.4 | 55.8 | a | 9.5 | 43 | 13.1 | 9.5 | |
| 9.5 | 2 | 22.9 | 52.0 | | 9.5 | | 47.3 | 46.9 | | 6.0 | | 35.0 | 8.8 | Kb | 9.3 | | 19.7 | 57.2 | | 9.2 | 44 | 16.0 | 14.9 | |
| 9.5 | | 41.0 | 36.0 | | 9.0 | | 53.1 | 13.4 | | 9.3 | 42 | 19.1 | 36.7 | | 7.6 | | 43.5 | 53.2 | K | 9.4 | | 26.4 | 1.5 | |
| 9.5 | | 48.3 | 20.6 | | 9.5 | 23 | 49.4 | 42.3 | a | 9.2 | | 22.2 | 8.6 | | 9.5 | 6 | 15.2 | 53.7 | | 7.5 | | 44.3 | 7.7 | Kb |
| 9.1 | 3 | 20.8 | 17.1 | | 9.4 | 24 | 46.9 | 55.6 | B | 8.4 | | 35.0 | 54.7 | K | 9.4 | | 48.9 | 2.6 | a | 9.5 | 45 | 2.7 | 41.1 | |
| 9 5 | | 24.9 | 5.3 | | 9.4 | | 50.0 | 11.1 | | 9.2 | | 36.2 | 12.6 | R | 9.0 | 7 | 20.6 | 9.7 | | 9.4 | | 28.9 | 1.7 | B |
| 9.5 | | 25.7 | 1.9 | | 9.5 | | 53.5 | 5.0 | | 9.1 | 43 | 1.8 | 38.4 | a | 9.5 | | 35.1 | 11.1 | | 9.3 | | 36.4 | 1.5 | B |
| 8.3 | 4 | 46.5 | 51.3 | K | 9.1 | 25 | 6.9 | 45.8 | b | 8.3 | | 2.6 | 24.6 | K | 8.1 | | 50.0 | 59.5 | B | 9.1 | | 46.9 | 29.4 | ab |
| 9.5 | 5 | 32.8 | 35.7 | | 9.5 | | 27.1 | 3.6 | | 8.0 | | 13.2 | 33.2 | K | 9.5 | | 56.6 | 31.2 | | 9.5 | | 54.0 | 9.0 | |
| 9.5 | | 58.6 | 8.2 | | 9.4 | | 34.0 | 55.8 | B | 8.1 | | 25.4 | 47.5 | B | 9.1 | 8 | 4.4 | 22.9 | b | 9.3 | 46 | 12.2 | 58.0 | |
| 9.3 | 6 | 10.5 | 51.4 | | 9.5 | | 54.9 | 9.1 | B | 9.1 | | 27.4 | 47.7 | B | 9.3 | | 52.8 | 53.2 | | 8.2 | | 24.9 | 2.8 | K |
| 9.5 | | 12.3 | 7.0 | | 9.5 | 26 | 48.3 | 38.2 | | 9.2 | | 33.6 | 30.0 | | 9.5 | 9 | 1.5 | 24.9 | | 9.5 | | 35.6 | 55.3 | |
| 8.e | | 39.0 | 56.8 | K | 9.5 | | 50.8 | 5.8 | | 9.2 | | 59.2 | 12.4 | R | 9.4 | | 35.2 | 48.2 | | 8.8 | 47 | 22.3 | 6.0 | |
| 9.5 | 7 | 38.9 | 3.8 | | 9.1 | 27 | 6.9 | 20.9 | b | 9.5 | 44 | 1.1 | 54.6 | | 9.5 | | 45.0 | 53.5 | | 9.5 | 48 | 4.9 | 32.8 | |
| 8.3 | | 56.5 | 40.5 | K | 9.5 | | 38.4 | 32.0 | | 8.6 | | 23.6 | 5.9 | K | 9.5 | | 55.2 | 53.5 | | 9.5 | | 8.4 | 35.7 | |
| 9.4 | 8 | 8.8 | 22.0 | B | 9.5 | 28 | 4.3 | 8.6 | | 9.2 | | 39.7 | 12.4 | B | 8.9 | | 55.6 | 47.4 | B | 9.5 | | 37.2 | 8.8 | |
| 9.5 | | 21.5 | 19.0 | | 9.4 | | 12.1 | 25.8 | B | 8.3 | | 45.4 | 29.8 | | [illegible] | 10 | 14.1 | 36.0 | | 9.4 | | 52.2 | 29.5 | |
| 9.5 | | 22.4 | 25.9 | | 8.0 | | 27.5 | 31.2 | K | 8.4 | | 46.2 | 18.8 | K | | | 34.7 | 53.0 | K | 9.5 | 49 | 7.6 | 54.3 | |
| 8.1 | | 26.6 | 2.9 | L | 9.2 | 29 | 34.8 | 16.8 | | 6.6 | | 50.8 | 14.6 | K | 9.3 | | 56.1 | 24.9 | | 9.0 | | 9.4 | 24.2 | R |
| 9.5 | | 43.5 | 47.4 | | 9.4 | 30 | 17.5 | 35.8 | B | 8.6 | 45 | 57.6 | 15.0 | K | 9.0 | 11 | 10.7 | 28.5 | B | 8.4 | | 21.3 | 52.1 | K |
| 9.5 | | 52.8 | 16.7 | | 9.4 | | 37.1 | 4.8 | B | 9.3 | 46 | 8.1 | 12.9 | | 7.8 | | 40.0 | 28.7 | K | 9.5 | | 55.0 | 38.1 | |
| 9.5 | | 57.4 | 29.3 | | 8.9 | | 46.9 | 40.2 | | 9.4 | 47 | 28.7 | 20.0 | B | 9.5 | 12 | 55.2 | 15.0 | | 9.5 | 50 | 39.0 | 2.0 | B |
| 9.5 | 9 | 12.7 | 50.8 | | 9.5 | 31 | 20.6 | 20.2 | B | 9.5 | 48 | 17.8 | 37.0 | | 9.4 | 13 | 5.0 | 55.6 | | 8.7 | | 39.7 | 34.8 | K |
| 9.3 | | 20.9 | 1.5 | | 9.5 | | 28.4 | 9.6 | | 9.5 | | 44.6 | 19.4 | | 9.5 | | 40.2 | 59.6 | b | 8.0 | | 42.9 | 43.0 | K |
| 9.4 | | 26.7 | 25.2 | B | 9.2 | 32 | 12.3 | 51.4 | | 9.5 | 49 | 5.6 | 57.1 | | 5.7 | | 46.4 | 16.6 | K | 9.5 | 51 | 25.2 | 2.0 | |
| 9.2 | | 40.9 | 53.0 | B | 9.1 | | 12.6 | 8.8 | | 9.5 | | 30.4 | 3.6 | | 9.1 | 14 | 30.5 | 10.6 | | 9.5 | 52 | 40.6 | 58.8 | |
| 9.3 | | 46.3 | 22.2 | aB | 9.0 | | 12.9 | 24.5 | | 9.0 | 50 | 7.6 | 25.6 | b | 9.5 | 15 | 56.7 | 2.7 | | 8.8 | | 41.9 | 44.4 | |
| 9.4 | 10 | 3.7 | 49.5 | a | 9.1 | | 25.8 | 31.4 | | 9.0 | | 9.6 | 27.7 | | 7.6 | 16 | 20.9 | 24.7 | K | 8.9 | 53 | 54.6 | 33.9 | K |
| 9.2 | | 11.6 | 45.4 | B | 9.5 | | 51.9 | 9.6 | | 9.5 | | 20.0 | 52.5 | | 9.5 | | 22.6 | 28.5 | B | 9.5 | | 56.2 | 17.8 | |
| 9.2 | | 24.7 | 56.6 | | 9.5 | 34 | 0.2 | 17.7 | B | 9.5 | | 27.8 | 49.3 | B | 9.5 | | 52.1 | 34.7 | | 9.4 | 54 | 15.0 | 41.6 | |
| 9.4 | 11 | 4.1 | 35.1 | B | 7.0 | | 26.3 | 12.4 | K | 9.5 | | 44.1 | 37.0 | | 9.3 | 17 | 5.2 | 13.7 | | 8.5 | | 30.4 | 33.0 | K |
| 9.2 | | 20.7 | 5.0 | B | 9.5 | | 35.7 | 45.1 | | 9.4 | | 52.5 | 56.9 | | 9.3 | 18 | 57.9 | 5.0 | B | 9.5 | 55 | 49.6 | 36.7 | B |
| 9.4 | | 36.2 | 10.5 | | 9.3 | | 35.7 | 8.8 | | 9.3 | 51 | 1.6 | 10.5 | | 9.2 | 19 | 10.3 | 23.5 | b | 9.5 | 56 | 13.8 | 28.9 | |
| 6.5 | | 49.9 | 8.2 | P | 9.3 | | 40.4 | 9.4 | R | 9.1 | | 41.6 | 23.5 | | 9.5 | 20 | 19.2 | 52.8 | | 9.5 | 57 | 12.7 | 28.5 | |
| 9.1 | 13 | 19.0 | 34.3 | ab | 8.3 | | 54.0 | 17.5 | K | 9.5 | | 52.5 | 46.3 | | 9.4 | | 27.3 | 22.6 | B | 9.5 | | 21.7 | 36.4 | |
| 9.5 | 14 | 34.5 | 3.7 | | 8.4 | | 56.9 | 39.6 | B | 9.5 | 52 | 0.8 | 59.3 | | 9.5 | 21 | 17.1 | 8.5 | | 9.5 | | 25.7 | 50.1 | |
| 9.4 | | 54.2 | 22.3 | | 7.4 | 35 | 1.9 | 54.6 | L | 9.5 | | 21.6 | 35.9 | | 9.0 | 22 | 58.7 | 35.2 | b | 9.0 | | 51.1 | 53.3 | |
| 9.3 | 15 | 11.9 | 33 7 | | 8.3 | | 10.5 | 15.8 | K | 9.5 | | 24.7 | 26.8 | B | 7.3 | 28 | 33.6 | 26.3 | Kb | 9.5 | 58 | 10.8 | 50.8 | |
| 9.5 | | 32.0 | 31.5 | | 8.0 | | 20.5 | 24.4 | K | 9.5 | | 54.6 | 34.9 | | 9.5 | 29 | 15.0 | 59.3 | | 9.5 | | 48.0 | 23.6 | |
| 9.5 | 16 | 35.4 | 17.6 | | 9.5 | | 28.6 | 51.3 | | 8.7 | 53 | 9.1 | 30.8 | L | 9.5 | 31 | 15.3 | 18.3 | | 9.4 | 59 | 26.2 | 25.8 | |
| 9.0 | | 47.3 | 27.3 | | 9.5 | | 59.8 | 17.4 | | 9.0 | | 31.1 | 30.4 | K | 8.3 | 32 | 14.4 | 43.5 | K | 9.1 | | 36.3 | 45.4 | ab |
| 9.5 | 17 | 3.6 | 13.1 | | 9.5 | 36 | 24.2 | 5.3 | | 8.1 | | 56.6 | 31.1 | K | 9.5 | 33 | 28.9 | 33.5 | | 9.5 | | 45.6 | 38.2 | |
| 8.6 | | 11.3 | 20.3 | K | 9.1 | | 34.8 | 31.0 | | 9.4 | 55 | 3.4 | 24.9 | B | 8.5 | 34 | 11.4 | 57.1 | K | 9.5 | 0 | 22.6 | 12.7 | |
| 9.5 | | 30.3 | 53.6 | | 9.5 | | 43.4 | 17.2 | | 9.5 | | 5.2 | 20.4 | | 9.5 | 35 | 14.6 | 24.2 | | 9.0 | | 46.1 | 33.4 | |
| 9.0 | 18 | 55.4 | 23.7 | | 8.5 | | 50.7 | 9.6 | L | 8.7 | | 27.5 | 0.4 | L | 9.1 | | 32.7 | 15.3 | ab | 9.3 | | 48.5 | 37.1 | a |
| 9.5 | 19 | 21.4 | 4.7 | | 9.4 | | 54.2 | 53.1 | B | 9.4 | | 46.1 | 27.0 | | 9.4 | | 47.0 | 39.8 | | 9.5 | 1 | 23.7 | 57.0 | |
| 9.1 | | 27.9 | 0.2 | b | 9.1 | | 56.0 | 24.1 | a | 9.4 | | 56.3 | 4.6 | | 9.4 | 36 | 50.5 | 26.6 | | 9.5 | | 25.7 | 29.5 | |
| 9.0 | | 36.5 | 57.1 | | 9.5 | 37 | 1.6 | 8.8 | | 8.3 | | 59.7 | 47.6 | K | 9.5 | | 52.6 | 12.5 | | 9.1 | 2 | 3.5 | 47.0 | ab |
| 8.0 | | 42.8 | 45.8 | K | 8.4 | | 17.1 | 37.2 | K | 8.4 | 56 | 9.0 | 1.7 | Kb | 7.5 | 37 | 19.3 | 46.0 | K | 9.5 | | 35.0 | 51.6 | |
| 9.5 | | 59.3 | 18.8 | | 8.5 | | 17.5 | 31.3 | K | 9.5 | | 30.6 | 15.8 | | 8.9 | 38 | 11.4 | 53.9 | | 9.4 | | 48.1 | 2.3 | |
| 9.5 | 20 | 9.5 | 10.6 | | 9.3 | | 29.8 | 46.8 | | 8.8 | | 46.6 | 40.4 | | 9.4 | | 45.6 | 53.2 | B | 9.3 | 3 | 12.5 | 34.8 | |
| 7.9 | | 18.8 | 48.5 | K | 9.1 | | 35.3 | 0.1 | | 9.0 | 57 | 9.1 | 23.6 | | 8.4 | 39 | 12.7 | 32.2 | K | 9.5 | | 20.7 | 41.2 | |
| 9.1 | | 49 0 | 9.2 | K | 8.5 | | 49.7 | 23.5 | K | 7.5 | | 19.0 | 48.1 | L | 9.5 | | 30.2 | 50.8 | | 9.5 | | 28.2 | 8.0 | B |
| 9.5 | 21 | 13.9 | 1.7 | | 8.9 | 38 | 15.4 | 11.3 | K | 9.4 | | 23.2 | 5.2 | | 9.0 | 41 | 20.7 | 4.9 | Kb | 9.3 | | 29.3 | 33.0 | |
| 9.5 | | 31.8 | 30.3 | | 9.4 | | 37.0 | 3.8 | | 8.2 | | 55.6 | 19.7 | L | 9.5 | | 32.2 | 48.0 | | 9.2 | | 41.0 | 2.0 | |
| 9.0 | 22 | 4.4 | 13.3 | | 9.5 | 39 | 6.6 | 53.0 | | 7.5 | 59 | 53.6 | 30.1 | Kb | 9.5 | | 45.8 | 44.5 | | 9.3 | | 53.0 | 53.1 | |
| 9.2 | | 4.6 | 17.5 | | 8.5 | | 53.1 | 51.0 | | 9.3 | 1 | 23.1 | 53.5 | | 9.5 | | 49.4 | 51.4 | | 9.5 | 4 | 45.2 | 29.5 | |
| 9.5 | | 9.8 | 53.2 | | 8.5 | | 59.2 | 21.2 | | 9.3 | 2 | 9.6 | 47.7 | | 9.5 | 42 | 17.7 | 21.2 | | 8.7 | | 45.4 | 5.7 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 35.42 | 2.26 | | 10pr. | | 35.82 | 2.00 | | 10pr. | | 36.09 | 1.80 | | 10pr. | | 36.46 | 1.46 | | 10pr. | | 36.83 | 0.96 | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5m | | +25° | | | 5m | | +25° | | | 5m | | +25° | | | 5m | | +25° | | | 5m | | +25° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ |
| 9.4 | 4 | 58.9 | | 9.3 | 9.4 | 25 | 11.2 | | 28.9 | 9.5 | 32 | 59.1 | | 22.0 | 9.5 | 39 | 1.0 | | 46.7 | B | 9.4 | 47 | 50.3 | | 26.2 | |
| 9.5 | | 59.6 | | 21.7 | 9.5 | | 13.1 | | 30.6 | 9.2 | | 59.6 | | 33.0 | 9.5 | | 2.5 | | 51.9 | | 9.5 | | 55.6 | | 42.7 | a |
| 9.4 | 5 | 16.2 | | 5.6 | 8.4 | | 51.9 | | 47.4 | K | 9.4 | | 59.7 | | 13.5 | 9.4 | | 12.5 | | 54.6 | | 9.5 | 48 | 5.5 | | 58.1 | |
| 7.8 | | 33.9 | | 44.9 | Kb | 9.4 | | 58.4 | | 2.5 | 9.5 | 33 | 14.5 | | 17.9 | 9.5 | | 12.8 | | 34.2 | | 9.1 | | 12.7 | | 3.4 | K |
| 9.5 | | 40.1 | | 1.1 | | 9.0 | 26 | 12.0 | | 50.6 | 9.5 | | 16.7 | | 46.8 | 9.5 | | 15.4 | | 55.4 | | 9.0 | | 27.2 | | 43.2 | |
| 8.9 | 6 | 26.9 | | 23.0 | | 7.7 | | 19.1 | | 43.7 | K | 9.1 | | 17.6 | | 42.8 | a | 9.5 | | 19.6 | | 28.9 | | 9.3 | | 39.6 | | 21.1 | |
| 7.3 | 7 | 3.0 | | 47.5 | K | 9.5 | | 20.4 | | 4.7 | | 9.4 | | 21.9 | | 1.7 | | 9.5 | | 27.1 | | 15.8 | | 9.3 | | 43.5 | | 1.6 | |
| 8.4 | | 3.2 | | 12.7 | K | 8.8 | | 36.1 | | 46.4 | K | 9.5 | | 25.0 | | 36.2 | a | 9.5 | | 32.8 | | 18.0 | | 9.3 | | 45.5 | | 48.9 | |
| 9.1 | | 24.6 | | 14.2 | a | 9.4 | | 38.6 | | 56.0 | | 9.5 | | 27.8 | | 27.8 | B | 9.2 | | 34.9 | | 2.6 | b | 8.5 | | 50.0 | | 8.6 | K |
| 9.5 | | 32.7 | | 41.2 | | 9.2 | | 39.2 | | 52.8 | | 9.4 | | 44.4 | | 48.3 | a | 9.4 | 40 | 0.1 | | 15.6 | | 9.0 | | 54.7 | | 40.0 | |
| 9.5 | 8 | 22.7 | | 26.7 | | 9.3 | | 40.5 | | 51.3 | | 9.0 | | 52.1 | | 39 0 | | 7.6 | | 8.7 | | 35.3 | K | 9.2 | | 59.2 | | 31.4 | |
| 8.7 | | 26.8 | | 55.0 | K | 9.0 | | 45.5 | | 10.5 | | 9.5 | | 52.7 | | 24.7 | | 9.5 | | 12.3 | | 2.1 | | 5.2 | 49 | 0.4 | | 55.8 | Lb |
| 9.5 | 9 | 0.7 | | 2.6 | | 9.2 | | 48.9 | | 27.9 | | 9.5 | | 54.2 | | 13.6 | | 9.3 | | 24.5 | | 12.8 | | 8.3 | | 9.9 | | 32.9 | L |
| 9.5 | | 17.4 | | 17.3 | | 9.4 | | 58.1 | | 35.6 | | 8.2 | 34 | 6.1 | | 17.6 | S | 9.5 | | 29.4 | | 27.1 | | 9.5 | | 19.1 | | 56.8 | |
| 9.5 | | 23.2 | | 21.9 | | 9.0 | 27 | 0.2 | | 55.1 | K | 9.2 | | 13.7 | | 45.8 | R | 9.2 | | 38.2 | | 38.9 | | 9.0 | | 37.0 | | 16.4 | K |
| 9.0 | 10 | 48.9 | | 1.7 | B | 9.5 | | 13.1 | | 18.1 | | 9.5 | | 20.7 | | 48.7 | | 9.5 | | 48.6 | | 26.3 | | 9.5 | | 40.2 | | 22.6 | a |
| 9.5 | 11 | 4.6 | | 54.4 | | 9.4 | | 20.1 | | 56.1 | | 9.5 | | 22.0 | | 6.5 | | 9.3 | 41 | 2.0 | | 20.7 | B | 9.0 | | 50.5 | | 14.2 | K |
| 7.9 | | 22.8 | | 0.6 | Kb | 8.5 | | 31.6 | | 29.7 | | 9.4 | | 27.5 | | 6.7 | | 9.5 | | 4.7 | | 47.7 | | 7.3 | | 54.1 | | 45.3 | L |
| 9.5 | | 50.7 | | 51.5 | | 6.6 | | 31.7 | | 50.7 | K | 9.0 | | 30.4 | | 57.4 | | 9.3 | | 18.4 | | 10.4 | | 9.5 | 50 | 6.8 | | 39.8 | |
| 8.5 | | 57 5 | | 34.0 | K | 9.5 | | 37.1 | | 23.3 | | 8.0 | | 34.1 | | 13.1 | L | 9.5 | | 30.1 | | 27.2 | | 9.1 | | 15.5 | | 2.6 | R |
| 9.5 | 13 | 13.7 | | 2.7 | | 8.9 | | 41.0 | | 3.5 | | 6.8 | | 41.4 | | 22.2 | K | 9.5 | | 36.9 | | 9.9 | | 9.5 | | 16.6 | | 19.9 | a |
| 9.5 | | 15.7 | | 27.4 | | 9.5 | | 48.7 | | 43.9 | | 9.4 | | 52.9 | | 2.8 | | 9.3 | | 38.8 | | 10.7 | B | 9.5 | | 34.4 | | 54.4 | |
| 9.5 | 15 | 11.4 | | 33.8 | | 9.2 | | 50.2 | | 54.6 | K | 8.9 | 35 | 2.3 | | 7.4 | | 9.5 | | 39.6 | | 22.0 | | 9.5 | | 40.3 | | 4.6 | |
| 9.5 | | 25.7 | | 4.7 | | 9.5 | | 52.9 | | 56.8 | | 9.5 | | 10.0 | | 31.4 | | 9.5 | 42 | 4.7 | | 21.7 | | 9.1 | | 52.0 | | 22.2 | K |
| 9.5 | | 30.7 | | 49.4 | | 9.5 | 28 | 13.2 | | 31.4 | | 9.2 | | 10.6 | | 50.2 | | 8.9 | | 6.1 | | 10.6 | K | 8.8 | | 57.7 | | 4.5 | |
| 9.5 | 17 | 3.4 | | 13.1 | | 9.2 | | 31.0 | | 58.8 | | 9.2 | | 12.0 | | 18.3 | K | 9.5 | | 30.4 | | 15.5 | | 9.5 | 51 | 10.3 | | 5.7 | |
| 9.5 | | 3.4 | | 41.3 | | 9.2 | | 45.0 | | 42.8 | a | 9.3 | | 21.5 | | 8.2 | | 9.5 | | 44.9 | | 1.3 | | 8.7 | | 16.8 | | 10.6 | K |
| 8.0 | | 4.9 | | 37.8 | K | 9.0 | | 52.9 | | 55.1 | | 9.5 | | 24.6 | | 51.6 | | 9.2 | | 55.7 | | 37.9 | Kb | 9.5 | | 23.1 | | 16.4 | |
| 9.4 | | 7.0 | | 7.4 | | 9.5 | | 54.3 | | 43.8 | | 9.5 | | 32.1 | | 56.0 | | 9.3 | 43 | 1.1 | | 3.8 | | 8.5 | | 23.2 | | 54.7 | K |
| 8.5 | | 46.1 | | 9.4 | K | 9.0 | | 58.1 | | 30.6 | B | 9.4 | | 37.5 | | 37.0 | | 9.4 | | 2.0 | | 15.4 | | 9.5 | | 35.3 | | 52.1 | |
| 8.5 | | 51.1 | | 37.6 | K | 9.5 | 29 | 25.0 | | 27.9 | | 9.5 | | 40.1 | | 55.0 | | 9.3 | | 24.5 | | 45.3 | | 9.2 | | 36.2 | | 21.2 | K |
| 9.5 | 18 | 29.1 | | 49.0 | | 9.5 | | 46.5 | | 37.8 | | 9.0 | | 43.0 | | 25.1 | | 9.2 | | 38.1 | | 41.8 | | 9.4 | | 39.9 | | 2.1 | |
| 9.5 | | 30.3 | | 2.6 | | 9.5 | | 50.1 | | 46.7 | | 8.1 | | 52.4 | | 41.9 | B | 8.9 | | 40.3 | | 53.4 | K | 9.0 | 52 | 4.5 | | 53.1 | K |
| 9.4 | | 35.8 | | 21.1 | | 9.5 | | 50.8 | | 0.3 | | 9.5 | | 55.7 | | 13.2 | | 8.8 | | 41.0 | | 15.1 | K | 9.4 | | 8.8 | | 4.7 | |
| 9.5 | | 58.1 | | 15.1 | | 9.5 | 30 | 5.0 | | 51.9 | | 9.5 | 36 | 10.5 | | 52.5 | | 9.3 | 44 | 0.1 | | 43.3 | | 9.0 | | 12.3 | | 22.5 | R |
| 9.5 | 19 | 1.4 | | 53.6 | | 9.4 | | 6.1 | | 30.7 | | 9.5 | | 15.1 | | 10.0 | | 9.3 | | 8.5 | | 49.8 | | 9.5 | | 15.1 | | 36.3 | |
| 9.5 | | 55.0 | | 13.1 | | 9.5 | | 10.5 | | 12.9 | | 9.4 | | 20.2 | | 26.8 | a | 9.2 | | 10.4 | | 0.2 | | 9.4 | | 32.0 | | 31.1 | |
| 9.3 | | 56.3 | | 47.9 | | 9.4 | | 15.0 | | 28.0 | | 8.5 | | 34.9 | | 40.3 | | 9.5 | | 12.1 | | 47.0 | | 9.5 | | 35.5 | | 4.8 | |
| 5.5 | 20 | 20.9 | | 1.7 | Kb | 9.4 | | 25.2 | | 24.5 | | 9.2 | | 36.1 | | 2.2 | a | 8.5 | | 32.5 | | 42.3 | K | 8.9 | | 37.0 | | 28.5 | K |
| 9.5 | | 41.0 | | 12.8 | | 9.3 | | 29.2 | | 20.5 | | 9.5 | | 36.7 | | 23.1 | | 7.3 | | 34.4 | | 2.2 | K | 9.4 | | 47.0 | | 35.4 | B |
| 9.1 | 21 | 22.5 | | 4.2 | | 8.7 | | 35.0 | | 13.8 | | 8.0 | | 36.9 | | 3.0 | Kb | 8.2 | | 40.0 | | 33.2 | K | 9.5 | | 51.1 | | 37.4 | a |
| 8.7 | | 28.1 | | 55.1 | K | 5.7 | | 46.1 | | 48.8 | Kb | 9.5 | | 40.0 | | 11.7 | | 9.0 | | 41.6 | | 58.5 | | 9.3 | 53 | 5.6 | | 47.1 | |
| 8.1 | | 31.3 | | 13.1 | K | 9.2 | | 48.6 | | 30.6 | | 7.7 | | 56.1 | | 51.2 | S | 9.3 | | 58.9 | | 25.0 | | 9.4 | | 10.0 | | 11.5 | |
| 9.5 | 22 | 4.2 | | 4.5 | | 9.4 | | 53.9 | | 50.9 | B | 9.3 | | 59.2 | | 54.6 | | 8.6 | 45 | 4.7 | | 30.4 | K | 9.3 | | 10.0 | | 50.8 | |
| 9.5 | | 7.5 | | 44.2 | | 9.4 | 31 | 15.7 | | 9.6 | | 9.5 | 37 | 11.1 | | 48.2 | | 9.5 | | 7.0 | | 59.1 | B | 9.5 | | 12.2 | | 59.3 | |
| 9.4 | | 26.4 | | 11.9 | | 9.5 | | 16.8 | | 43.7 | | 8.8 | | 14.6 | | 14.3 | K | 9.4 | | 53.2 | | 47.7 | | 9.5 | | 30.3 | | 8.0 | |
| 9.4 | | 46.1 | | 38.9 | | 8.5 | | 20.4 | | 0.1 | K | 8.4 | | 18.5 | | 38.0 | L | 9.3 | | 57.1 | | 3.7 | B | 9.3 | | 45.7 | | 45.7 | |
| 9.4 | 23 | 2.7 | | 45.1 | | 9.3 | | 27.0 | | 56.4 | | 9.3 | | 18.6 | | 43.7 | | 9.1 | 46 | 24.0 | | 53.4 | a | 8.7 | | 52.8 | | 39.8 | K |
| 9.2 | | 25.1 | | 14.2 | | 9.0 | | 32.1 | | 54.9 | | 9.5 | | 25.1 | | 23.0 | a | 9.5 | | 36.1 | | 46.2 | | 8.0 | | 53.0 | | 53.1 | K |
| 9.4 | | 33.5 | | 58.7 | | 8.5 | | 49.7 | | 10.9 | K | 8.7 | | 26.2 | | 28.7 | K | 9.4 | | 47.4 | | 8.2 | | 9.5 | 54 | 0.5 | | 4.4 | |
| 9.1 | | 59.0 | | 54.1 | | 9.4 | | 54.6 | | 47.7 | | 9.4 | | 30.3 | | 32.7 | B | 9.1 | | 48.6 | | 26.2 | a | 9.1 | | 11.4 | | 42.2 | |
| 8.0 | | 59.1 | | 47.7 | L | 9.5 | | 55.5 | | 7.8 | | 8.7 | | 35.7 | | 12.6 | K | 9.5 | | 58.2 | | 31.4 | | 9.3 | | 19.3 | | 39.2 | R |
| 9.5 | 24 | 12.5 | | 1.1 | | 9.5 | 32 | 5.3 | | 44.7 | | 9.5 | | 37.3 | | 28.9 | B | 9.3 | 47 | 0.1 | | 27.9 | | 9.5 | | 25.2 | | 19.3 | |
| 9.5 | | 22.5 | | 56.2 | | 9.5 | | 10.0 | | 1.5 | | 9.5 | | 45.2 | | 42.7 | | 7.9 | | 16.4 | | 18.0 | K | 9.3 | | 25.9 | | 42.5 | |
| 9.4 | | 22.9 | | 4.8 | | 9.5 | | 26.2 | | 25.6 | | 8.5 | 38 | 8.5 | | 47.6 | K | 9.5 | | 25.1 | | 55.1 | | 9.1 | | 30.0 | | 32.1 | R |
| 9.5 | | 33.7 | | 36.7 | | 9.5 | | 29.5 | | 7.2 | | 9.5 | | 16.9 | | 56.1 | | 8.5 | | 28.1 | | 28.8 | K | 9.1 | | 55.5 | | 6.7 | a |
| 9.0 | | 34.2 | | 22.1 | | 9.5 | | 34.7 | | 43.7 | | 9.0 | | 19.0 | | 54.0 | K | 9.5 | | 30.0 | | 9.7 | | 9.0 | | 56.0 | | 4.5 | R |
| 9.3 | 25 | 2.1 | | 30.6 | | 8.4 | | 41.1 | | 25.9 | K | 6.6 | | 37.4 | | 30.4 | K | 8.8 | | 34.6 | | 0.7 | Kb | 9.5 | 55 | 3.1 | | 16.3 | |
| 9.5 | | 2.7 | | 42.8 | | 9.3 | | 43.0 | | 24.2 | a | 9.1 | | 42.3 | | 55.1 | K | 9.5 | | 45.8 | | 17.3 | a | 8.5 | | 10.9 | | 5.7 | K |
| 9.5 | | 9.1 | | 38.8 | | 9.0 | | 53.0 | | 57.7 | Kb | 9.3 | | 52.5 | | 34.1 | a | 9.3 | | 48.7 | | 8.4 | | 6.9 | | 15.3 | | 27.0 | K |
| 10pr. | | | + 36.99 | + 0.61 | | 10pr. | | | + 37.04 | + 0.45 | | 10pr. | | | + 37.06 | + 0.36 | | 10pr. | | | + 37.08 | + 0.24 | | 10pr. | | | + 37.09 | + 0.13 | |

| 1101—1160 | | | | 1161—1220 | | | | 1221—1280 | | | | 1281—1340 | | | | 1341—1400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ª—6ª | +25° | | | 6ª | +25° | | | 6ª | +25° | | | 6ª | +25° | | | 6ª | +25° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 55 22.6 | 47.7 | | 9.4 | 4 5.3 | 31.5 | B | 9.5 | 11 23.7 | 54.7 | | 9.2 | 19 15.2 | 30.4 | | 9.2 | 28 23.5 | 9.0 | |
| 9.5 | 25.2 | 38.1 | | 9.5 | 11.5 | 5.7 | | 9.0 | 35.3 | 14.7 | B | 9.2 | 27.6 | 25.0 | | 9.0 | 25.4 | 19.8 | |
| 9.5 | 26.7 | 11.3 | | 8.4 | 24.7 | 23.0 | K | 7.9 | 36.4 | 40.2 | K | 8.8 | 39.8 | 47.4 | K | 9.5 | 26.0 | 55.1 | |
| 9.5 | 38.2 | 57.8 | | 8.9 | 29.0 | 42.9 | ✓ | 9.5 | 37.8 | 50.9 | B | 9.5 | 40.7 | 24.4 | | 9.3 | 34.9 | 35.8 | |
| 8.5 | 45.4 | 10.9 | K | 9.2 | 37.4 | 52.2 | | 7.2 | 39.5 | 14.8 | K | 9.5 | 43.3 | 16.9 | | 9.5 | 38.5 | 55.3 | |
| 9.5 | 56 2.6 | 51.6 | B | 9.2 | 39.2 | 13.8 | | 8.7 | 54.9 | 45.8 | K | 8.8 | 46.5 | 12.2 | B | 9.5 | 54.3 | 22.8 | |
| 9.5 | 3.4 | 21.8 | B | 9.5 | 55.3 | 53.9 | | 9.5 | 12 3.1 | 25.5 | | 8.0 | 46.7 | 42.5 | K | 9.4 | 58.7 | 27.4 | |
| 8.0 | 7.3 | 48.2 | K | 9.5 | 56.4 | 33.3 | | 9.4 | 15.3 | 36.3 | B | 9.5 | 20 9.2 | 55.1 | | 9.4 | 59.6 | 57.7 | |
| 8.3 | 8.5 | 57.5 | R | 9.5 | 59.5 | 50.9 | | 9.5 | 18.8 | 10.9 | | 8.7 | 15.0 | 8.2 | K | 9.5 | 29 3.0 | 14.2 | B |
| 9.3 | 13.0 | 4.7 | | 9.5 | 5 26.9 | 25.5 | | 9.5 | 34.4 | 2.9 | | 9.4 | 17.3 | 53.9 | | 9.5 | 6.2 | 11.4 | *a* |
| 9.4 | 39.4 | 11.4 | | 9.5 | 35.4 | 15.2 | | 9.3 | 35.1 | 56.1 | | 9.2 | 22.3 | 29.3 | | 9.5 | 8.5 | 14.6 | *a* |
| 9.3 | 41.4 | 52.6 | | 9.5 | 39.1 | 25.5 | | 8.8 | 42.5 | 4.0 | Kb | 8.3 | 23.7 | 24.0 | L | 9.5 | 19.5 | 29.8 | |
| 9.5 | 50.4 | 9.9 | | 9.5 | 43.0 | 20.6 | | 9.5 | 52.7 | 14.6 | | 9.5 | 26.1 | 37.3 | | 8.6 | 24.3 | 52.5 | K |
| 9.5 | 57 1.2 | 26.8 | | 8.2 | 51.3 | 16.8 | K | 9.5 | 52.9 | 45.7 | | 9.3 | 26.7 | 48.4 | | 9.4 | 34.6 | 43.6 | |
| 9.3 | 4.5 | 17.6 | K | 9.5 | 6 6.0 | 14.7 | | 9.3 | 13 10.6 | 2.3 | | 9.5 | 45.5 | 2.0 | | 9.4 | 44.6 | 28.3 | |
| 9.5 | 7.2 | 22.0 | B | 9.2 | 10.3 | 7.1 | | 8.5 | 21.0 | 38.4 | K | 9.5 | 48.7 | 16.2 | | 9.5 | 55.4 | 48.0 | B |
| 9.5 | 26.5 | 50.5 | | 9.1 | 11.1 | 30.2 | B | 9.2 | 21.9 | 9.0 | K | 9.0 | 52.8 | 31.3 | B | 9.1 | 30 2.4 | 40.6 | K |
| 9.5 | 28.0 | 53.6 | | 9.4 | 16.0 | 50.7 | | 9.1 | 24.2 | 17.7 | | 9.5 | 21 18.9 | 49.3 | | 9.4 | 6.5 | 56.6 | |
| 9.5 | 35.8 | 28.0 | | 9.4 | 19.0 | 29.6 | | 9.5 | 36.1 | 58.2 | | 8.7 | 25.0 | 14.5 | K | 9.4 | 9.9 | 56.0 | |
| 9.3 | 49.3 | 33.6 | R | 7.6 | 28.0 | 22.2 | K | 9.5 | 52.0 | 57.5 | | 9.5 | 30.0 | 50.1 | | 9.3 | 24.4 | 14.8 | |
| 8.7 | 58 25.9 | 31.9 | K | 9.5 | 41.8 | 34.9 | | 9.5 | 14 9.4 | 9.0 | *a* | 9.0 | 32.6 | 46.6 | L | 8.5 | 26.6 | 39.0 | K |
| 9.2 | 41.5 | 50.4 | | 9.5 | 46.4 | 32.9 | | 9.5 | 11.8 | 23.2 | | 8.5 | 41.2 | 58.5 | K | 8.5 | 31.2 | 12.3 | |
| 9.5 | 55.3 | 38.4 | | 9.5 | 46.6 | 39.3 | | 9.5 | 12.5 | 26.4 | | 9.5 | 52.2 | 53.5 | | 8.7 | 33.3 | 11.3 | |
| 8.0 | 59 1.8 | 56.3 | K | 9.4 | 47.4 | 29.9 | B | 9.3 | 23.6 | 10.0 | B | 9.0 | 58.2 | 30.6 | K | 8.7 | 36.7 | 37.7 | K |
| 8.0 | 2.0 | 27.8 | K | 9.4 | 54.0 | 36.3 | B | 9.3 | 24.3 | 35.3 | | 9.3 | 22 24.8 | 53.0 | | 9.0 | 38.2 | 7.3 | |
| 9.5 | 13.6 | 47.4 | | 9.3 | 7 19.6 | 13.2 | | 9.5 | 43.1 | 6.9 | | 9.5 | 33.2 | 42.9 | | 9.3 | 42.7 | 42.9 | |
| 9.4 | 14.6 | 1.9 | | 9.5 | 38.0 | 46.4 | B | 9.5 | 43.4 | 40.2 | | 9.4 | 36.9 | 13.1 | | 9.5 | 52.3 | 10.5 | |
| 8.2 | 29.9 | 58.7 | Kb | 9.2 | 42.4 | 15.6 | K | 9.5 | 54.5 | 51.7 | | 9.0 | 48.0 | 5.3 | | 9.5 | 53.3 | 31.5 | |
| 9.3 | 30.4 | 12.4 | | 9.4 | 51.2 | 55.0 | | 8.7 | 55.1 | 19.1 | K | 9.0 | 48.5 | 0.5 | *b* | 9.4 | 55.2 | 21.9 | |
| 8.6 | 40.8 | 40.3 | B | 9.5 | 53.1 | 35.2 | | 9.5 | 15 5.2 | 5.0 | | 9.3 | 23 18.7 | 53.9 | | 9.5 | 59.8 | 16.0 | |
| 7.6 | 49.2 | 39.7 | L | 8.4 | 57.5 | 32.3 | K | 8.4 | 5.3 | 29.2 | K | 9.5 | 38.6 | 50.4 | | 8.7 | 31 6.7 | 27.1 | |
| 9.5 | 0 4.2 | 40.8 | B | 9.5 | 8 16.2 | 17.5 | | 9.4 | 6.6 | 47.2 | | 9.5 | 44.3 | 6.4 | | 8.5 | 7.7 | 17.4 | R |
| 8.1 | 5.0 | 31.4 | R | 9.5 | 16.2 | 5.4 | | 9.5 | 9.6 | 13.9 | | 9.5 | 51.4 | 1.1 | | 9.5 | 19.1 | 52.5 | |
| 9.4 | 9.9 | 12.4 | | 9.5 | 23.9 | 59.9 | | 9.4 | 21.2 | 54.6 | | 8.0 | 52.8 | 56.8 | | 9.4 | 25.6 | 54.4 | |
| 9.3 | 11.6 | 0.3 | | 9.5 | 27.1 | 5.4 | | 6.5 | 48.6 | 6.9 | Kb | 9.1 | 57.7 | 25.6 | B | 9.5 | 25.7 | 52.1 | |
| 9.5 | 24.4 | 59.8 | | 9.5 | 34.0 | 20.3 | | 9.5 | 51.5 | 34.5 | B | 9.5 | 24 9.8 | 37.4 | | 9.2 | 26.5 | 20.4 | B |
| 9.5 | 41.2 | 4.1 | | 9.5 | 34.8 | 10.4 | | 9.5 | 54.5 | 33.6 | *a* | 8.3 | 12.8 | 22.9 | D | 9.2 | 30.3 | 50.5 | B |
| 9.5 | 1 14.7 | 2.5 | | 9.5 | 49.8 | 38.8 | | 9.5 | 16 5.3 | 4.7 | | 8.8 | 14.3 | 23.1 | D | 8.8 | 31.3 | 12.3 | |
| 9.3 | 15.1 | 4.1 | B | 9.4 | 9 11.0 | 45.0 | B | 9.4 | 5.6 | 58.2 | | 9.5 | 47.4 | 1.9 | | 9.3 | 37.8 | 15.8 | |
| 9.5 | 15.3 | 33.9 | *a* | 9.3 | 12.3 | 41.2 | | 9.4 | 15.6 | 40.5 | B | 9.4 | 56.9 | 25.1 | *a* | 9.4 | 38.8 | 48.4 | |
| 9.4 | 19.3 | 3.0 | | 9.5 | 13.8 | 8.1 | | 9.5 | 15.9 | 44.5 | | 9.3 | 25 28.8 | 46.8 | | 9.5 | 44.5 | 46.5 | |
| 9.5 | 19.8 | 31.2 | B | 9.5 | 16.1 | 19.1 | | 9.5 | 18.0 | 45.0 | | 9.1 | 33.9 | 15.3 | | 8.0 | 32 3.7 | 27.4 | L |
| 9.5 | 48.3 | 22.2 | | 9.5 | 21.8 | 22.8 | | 9.5 | 18.4 | 52.5 | | 9.5 | 37.2 | 19.9 | | 9.5 | 24.9 | 25.7 | |
| 9.5 | 56.0 | 36.8 | | 9.0 | 29.3 | 57.3 | K | 9.5 | 41.0 | 20.8 | | 9.2 | 51.9 | 5.1 | | 9.3 | 26.4 | 20.5 | |
| 9.1 | 2 1.5 | 50.1 | | 9.0 | 31.5 | 56.1 | K | 9.4 | 41.5 | 20.1 | | 9.1 | 26 0.3 | 52.5 | *b* | 9.2 | 46.5 | 50.3 | |
| 9.5 | 4.6 | 24.1 | | 9.5 | 33.5 | 10.2 | | 9.3 | 42.8 | 9.7 | | 7.6 | 7.6 | 1.5 | K | 9.5 | 51.4 | 35.7 | |
| 9.0 | 8.4 | 58.0 | ✓R | 8.0 | 46.7 | 24.0 | L | 9.3 | 49.7 | 36.8 | | 9.5 | 25.0 | 13.2 | | 9.4 | 59.1 | 18.2 | |
| 9.2 | 8.5 | 35.5 | | 8.3 | 48.9 | 34.3 | Lb | 9.3 | 50.8 | 48.0 | | 9.5 | 36.4 | 1.4 | | 9.3 | 33 0.8 | 5.9 | |
| 9.3 | 13.5 | 4.4 | | 9.3 | 49.2 | 29.9 | | 9.0 | 52.0 | 32.4 | | 9.5 | 38.2 | 32.9 | | 9.3 | 2.9 | 36.2 | B |
| 9.3 | 15.0 | 32.0 | *a* | 9.5 | 53.5 | 57.3 | | 9.3 | 17 6.6 | 25.7 | K | 9.5 | 40.1 | 12.9 | | 9.1 | 3.3 | 57.2 | *b* |
| 9.0 | 27 9 | 34.8 | | 9 5 | 10 25.7 | 5.9 | | 8.9 | 8.7 | 39.3 | | 9.5 | 46.3 | 12.2 | | 9.5 | 14.7 | 45.2 | |
| 9.1 | 29.4 | 13.3 | *a* | 9.1 | 26.8 | 58.2 | | 8.5 | 9.3 | 34.8 | K | 9.3 | 47.4 | 20.6 | | 7.8 | 14.9 | 35.8 | K |
| 8.1 | 38.6 | 2.2 | *B* | 8.7 | 27.0 | 44.7 | K | 8.9 | 15.2 | 40.5 | *B* | 9.1 | 27 18.9 | 4.5 | *a* | 8.8 | 21.5 | 29.9 | K |
| 9.4 | 46.9 | 1.7 | | 9.4 | 52.0 | 7.4 | | 8.5 | 16.7 | 38.3 | B | 9.5 | 24.1 | 12.7 | | 9.1 | 30.5 | 50.4 | |
| 9.2 | 49.4 | 9.6 | | 7.8 | 56.3 | 4.2 | S | 8.7 | 56.4 | 3.4 | | 9.4 | 34.0 | 3.6 | | 9.5 | 52.9 | 35.4 | |
| 9.3 | 50.0 | 6.4 | | 9.5 | 59.5 | 37.5 | | 8.7 | 18 4.6 | 1.4 | | 9.4 | 34.5 | 19.7 | | 9.5 | 34 9.7 | 37.9 | |
| 9.5 | 51.1 | 26.6 | | 9.5 | 11 1.9 | 15.0 | | 9.4 | 11.8 | 47.1 | | 9.3 | 37.8 | 50.3 | *a* | 8.5 | 25.1 | 53.7 | K |
| 9.2 | 3 16.3 | 15.8 | | 9.3 | 3.7 | 48.5 | | 9.1 | 19.4 | 27.3 | K | 9.3 | 48.3 | 44.9 | B | 9.5 | 30.3 | 31.5 | |
| 8.5 | 43.7 | 43.4 | R | 9.2 | 19.8 | 22.6 | | 9.5 | 24.2 | 13.0 | | 9.5 | 50.9 | 25.1 | | 9.5 | 34.6 | 2.5 | |
| 9.1 | 53.8 | 40.4 | ✓R | 9.5 | 23.2 | 29.3 | | 9.5 | 39.6 | 25.2 | | 9.5 | 28 4.2 | 0.3 | | 9.5 | 35.4 | 11.5 | |
| 10pr. | + 37.10 | + 0.00 | | 10pr. | + 37.09 | — 0.12 | | 10pr. | + 37.08 | — 0.22 | | 10pr. | + 37.06 | — 0.34 | | 10pr. | + 37.04 | — 0.45 | |

| m | 6ᵃ | +25° | |
|---|---|---|---|
| | 1401—1460 | | |
| 9.2 | 34′ 45.0″ | 32.4′ | B |
| 9.3 | 49.4 | 40.6 | |
| 9.5 | 53.3 | 23.1 | |
| 9.4 | 56.1 | 22.4 | |
| 9.0 | 56.2 | 33.0 | K |
| 3.2 | 35 0.8 | 16.0 | L |
| 9.0 | 9.0 | 16.0 | |
| 9.0 | 22.4 | 41.2 | K |
| 9.5 | 41.1 | 58.9 | |
| 9.5 | 56.9 | 35.7 | |
| 9.5 | 36 8.4 | 40.6 | |
| 9.5 | 15.8 | 26.8 | |
| 9.5 | 17.8 | 26.1 | |
| 9.5 | 19.2 | 22.6 | |
| 9.5 | 29.2 | 1.6 | |
| 9.1 | 40.0 | 55.0 | b |
| 9.3 | 47.3 | 51.8 | a |
| 9.5 | 37 13.0 | 23.8 | |
| 9.5 | 17.9 | 25.3 | |
| 9.4 | 20.2 | 22.6 | |
| 9.5 | 23.0 | 54.7 | |
| 9.3 | 36.5 | 49.5 | B |
| 9.5 | 50.0 | 50.4 | |
| 9.4 | 58.2 | 1.1 | |
| 9.5 | 38 6.9 | 47.8 | |
| 9.3 | 9.5 | 24.6 | |
| 9.5 | 20.1 | 24.9 | |
| 9.4 | 22.7 | 16.9 | |
| 9.4 | 27.9 | 46.0 | |
| 9.5 | 35.0 | 5.4 | |
| 9.3 | 39.5 | 21.1 | B |
| 9.4 | 40.4 | 18.0 | |
| 8.8 | 40.4 | 51.5 | |
| 9.3 | 54.3 | 44.5 | |
| 9.0 | 39 2.9 | 48.3 | B |
| 9.5 | 18.3 | 21.4 | |
| 9.4 | 20.7 | 37.9 | |
| 9.5 | 33.8 | 34.3 | |
| 9.1 | 35.2 | 22.3 | b |
| 9.5 | 52.1 | 12.9 | |
| 9.5 | 58.6 | 18.1 | |
| 9.5 | 40 1.4 | 30.0 | |
| 9.5 | 8.0 | 55.2 | |
| 9.5 | 28.0 | 32.0 | |
| 9.5 | 37.3 | 35.8 | B |
| 7.2 | 46.6 | 38.7 | K |
| 9.4 | 49.5 | 50.5 | |
| 9.5 | 59.6 | 23.3 | |
| 9.4 | 41 0.0 | 59.6 | |
| 9.5 | 0.3 | 52.4 | |
| 9.5 | 0.4 | 30.7 | |
| 9.3 | 1.9 | 4.8 | |
| 9.3 | 5.2 | 59.0 | B |
| 9.5 | 11.1 | 18.9 | |
| 9.4 | 18.2 | 12.2 | |
| 9.5 | 42.9 | 45.8 | |
| 9.5 | 44.6 | 38.4 | |
| 8.6 | 49.9 | 4.8 | |
| 8.7 | 50.9 | 25.5 | K |
| 7.2 | 42 3.0 | 55.4 | K |
| | + | — | |
| 10pr. | 37.01 | 0.56 | |

| m | 6ᵃ | +25° | |
|---|---|---|---|
| | 1461—1520 | | |
| 9.5 | 42′ 6.9″ | 25.0′ | |
| 9.0 | 16.1 | 43.8 | |
| 9.5 | 28.5 | 49.7 | |
| 9.4 | 48.1 | 54.4 | B |
| 8.9 | 48.1 | 12.9 | K |
| 9.5 | 49.7 | 58.1 | |
| 9.2 | 55.0 | 51.4 | B |
| 9.1 | 55.1 | 22.8 | |
| 7.0 | 43 1.5 | 50.0 | K |
| 9.2 | 10.8 | 6.0 | |
| 9.4 | 11.1 | 38.7 | |
| 9.1 | 11.5 | 29.1 | |
| 9.2 | 23.7 | 58.7 | |
| 9.4 | 33.0 | 45.4 | |
| 9.5 | 44.7 | 58.5 | |
| 8.6 | 45.5 | 50.6 | |
| 9.5 | 46.6 | 20.5 | |
| 8.5 | 50.5 | 8.9 | Kb |
| 7.5 | 56.5 | 55.5 | K |
| 9.2 | 44 1.6 | 35.5 | |
| 9.5 | 3.8 | 15.4 | |
| 7.5 | 10.6 | 28.3 | K |
| 9.5 | 28.0 | 50.2 | |
| 9.5 | 34.9 | 58.7 | |
| 9.5 | 41.4 | 40.3 | |
| 9.5 | 45 14.4 | 4.6 | |
| 9.3 | 20.0 | 40.2 | a |
| 9.5 | 20.2 | 11.8 | |
| 9.5 | 22.3 | 25.1 | |
| 9.5 | 40.6 | 28.0 | |
| 9.5 | 48.7 | 3.0 | |
| 9.0 | 46 6.2 | 42.8 | |
| 9.5 | 7.0 | 3.7 | a |
| 9.4 | 19.3 | 5.2 | B |
| 9.5 | 20.6 | 18.1 | |
| 6.2 | 24.2 | 32.6 | Rb |
| 9.2 | 55.0 | 24.7 | |
| 9.4 | 56.4 | 32.6 | |
| 8.8 | 47 12.0 | 45.2 | |
| 9.5 | 19.0 | 3.5 | |
| 9.5 | 19.7 | 58.6 | |
| 7.5 | 25.2 | 11.2 | K |
| 9.4 | 30.6 | 43.7 | |
| 9.2 | 46.2 | 53.4 | |
| 8.5 | 48.2 | 43.0 | |
| 9.4 | 48.3 | 10.4 | |
| 8.6 | 48 0.3 | 0.1 | K |
| 9.5 | 3.5 | 30.5 | |
| 7.5 | 9.6 | 8.3 | K |
| 8.8 | 14.9 | 46.1 | |
| 9.0 | 15.5 | 18.9 | |
| 9.4 | 38.6 | 47.8 | B |
| 9.5 | 41.6 | 7.6 | |
| 9.4 | 55.1 | 22.9 | |
| 9.3 | 49 0.5 | 50.3 | |
| 9.5 | 4.9 | 46.1 | |
| 7.8 | 15.4 | 9.6 | K |
| 9.5 | 30.0 | 33.9 | |
| 7.8 | 34.7 | 6.7 | K |
| 8.5 | 56.4 | 30.5 | K |
| | + | — | |
| 10pr. | 36.97 | 0.66 | |

| m | 6ᵃ | +25° | |
|---|---|---|---|
| | 1521—1580 | | |
| 9.4 | 50′ 1.1″ | 23.4′ | |
| 8.8 | 10.7 | 1.8 | |
| 8.7 | 18.7 | 1.5 | K |
| 8.2 | 27.9 | 25.4 | K |
| 8.7 | 28.4 | 25.6 | K |
| 9.5 | 31.5 | 40.2 | |
| 9.5 | 42.6 | 33.5 | |
| 9.5 | 51 13.9 | 55.7 | |
| 9.5 | 21.3 | 9.8 | |
| 9.5 | 21.7 | 38.6 | a |
| 9.4 | 22.9 | 37.6 | B |
| 9.4 | 25.1 | 57.3 | |
| 9.4 | 39.1 | 53.0 | |
| 9.5 | 44.0 | 43.0 | |
| 9.5 | 51.2 | 10.3 | |
| 9.5 | 52 6.4 | 24.8 | |
| 9.5 | 16.5 | 15.2 | |
| 9.5 | 31.6 | 41.6 | |
| 9.5 | 42.3 | 5.8 | |
| 8.3 | 46.9 | 46.3 | |
| 9.5 | 53 7.0 | 16.2 | |
| 7.0 | 12.3 | 37.6 | B |
| 9.5 | 13.9 | 42.2 | |
| 9.1 | 26.3 | 24.9 | |
| 7.5 | 27.6 | 32.6 | K |
| 9.5 | 29.8 | 4.1 | |
| 9.4 | 52.0 | 5.8 | |
| 9.5 | 54 0.6 | 4.5 | |
| 9.5 | 10.0 | 47.9 | |
| 9.5 | 14.7 | 27.1 | |
| 8.3 | 20.6 | 30.9 | K |
| 9.1 | 24.5 | 6.5 | |
| 8.3 | 33.2 | 32.0 | K |
| 9.1 | 34.8 | 3.3 | B |
| 9.5 | 37.9 | 55.1 | |
| 8.2 | 39.0 | 18.1 | L |
| 8.5 | 58.0 | 37.2 | K |
| 8.5 | 55 1.0 | 44.7 | |
| 9.2 | 8.5 | 59.4 | |
| 9.5 | 28.5 | 20.4 | |
| 9.5 | 30.5 | 55.8 | |
| 9.5 | 30.5 | 48.9 | |
| 9.4 | 34.0 | 35.4 | a |
| 9.5 | 42.6 | 47.1 | |
| 9.4 | 50.0 | 7.1 | |
| 9.3 | 56.6 | 43.0 | B |
| 9.2 | 56 12.5 | 40.5 | |
| 9.5 | 23.2 | 33.0 | |
| 9.5 | 29.7 | 1.3 | B |
| 8.5 | 57 11.4 | 42.3 | |
| 7.0 | 18.0 | 5.1 | K |
| 9.4 | 43.5 | 30.2 | |
| 9.5 | 46.0 | 5.8 | |
| 9.5 | 48.8 | 40.5 | |
| 9.5 | 58 13.9 | 0.1 | |
| 9.5 | 20.8 | 52.3 | |
| 9.5 | 31.0 | 25.4 | |
| 9.5 | 37.9 | 7.0 | |
| 8.9 | 49.9 | 39.5 | K |
| 9.5 | 59 5.1 | 4.0 | |
| | + | — | |
| 10pr. | 36.92 | 0.78 | |

| m | 6ᵃ—7ᵃ | +25° | |
|---|---|---|---|
| | 1581—1640 | | |
| 9.5 | 59′ 9.8″ | 38.4′ | |
| 9.5 | 14.2 | 45.8 | |
| 9.5 | 23.0 | 47.1 | |
| 8.7 | 39.0 | 12.2 | K |
| 9.1 | 41.0 | 12.1 | K |
| 9.3 | 42.3 | 52.2 | B |
| 9.5 | 56.4 | 25.7 | |
| 9.5 | 0 2.5 | 25.0 | |
| 9.5 | 24.5 | 54.7 | |
| 8.5 | 24.9 | 28.6 | K |
| 9.1 | 28.2 | 1.4 | Bb |
| 9.3 | 34.5 | 48.6 | B |
| 9.5 | 36.6 | 10.2 | |
| 7.0 | 41.8 | 57.8 | K |
| 7.7 | 48.1 | 57.6 | K |
| 8.5 | 52.8 | 51.6 | L |
| 9.0 | 1 48.9 | 15.5 | K |
| 8.5 | 2 9.0 | 33.0 | K |
| 9.1 | 20.5 | 25.7 | |
| 9.3 | 31.5 | 54.4 | |
| 9.5 | 47.1 | 37.3 | |
| 9.3 | 48.2 | 0.4 | B |
| 9.0 | 59.5 | 21.4 | |
| 9.5 | 3 17.7 | 21.1 | |
| 9.3 | 29.3 | 4.7 | |
| 9.0 | 39.3 | 46.0 | B |
| 9.4 | 41.5 | 50.5 | |
| 8.4 | 47.4 | 46.7 | K |
| 7.2 | 53.8 | 59.1 | Kb |
| 9.5 | 4 24.3 | 14.0 | |
| 9.3 | 35.0 | 1.6 | |
| 9.4 | 47.5 | 14.0 | B |
| 8.3 | 5 5.1 | 15.3 | K |
| 9.5 | 11.2 | 40.6 | B |
| 9.5 | 27.8 | 55.3 | |
| 9.5 | 44.6 | 36.3 | a |
| 9.5 | 46.8 | 16.6 | |
| 6.3 | 49.9 | 8.6 | Kb |
| 9.5 | 6 6.2 | 18.6 | B |
| 9.0 | 14.6 | 32.6 | |
| 9.3 | 20.6 | 18.8 | B |
| 9.0 | 24.0 | 32.6 | K |
| 9.4 | 56.9 | 3.0 | |
| 9.5 | 7 37.3 | 46.3 | |
| 8.9 | 38.2 | 8.0 | |
| 9.5 | 8 8.4 | 40.2 | |
| 9.4 | 43.7 | 51.9 | B |
| 9.1 | 51.9 | 35.4 | |
| 9.3 | 53.8 | 19.9 | |
| 9.5 | 55.4 | 50.9 | |
| 9.5 | 9 4.6 | 56.0 | |
| 9.5 | 21.7 | 3.4 | |
| 9.1 | 38.0 | 32.6 | ab |
| 9.0 | 40.7 | 55.3 | K |
| 9.4 | 50.5 | 41.8 | |
| 8.6 | 49.8 | 50.0 | K |
| 9.5 | 55.0 | 57.4 | |
| 9.3 | 10 17.9 | 9.8 | B |
| 9.3 | 11 4.8 | 57.8 | |
| 9.4 | 15.4 | 49.4 | |
| | + | — | |
| 10pr. | 36.84 | 0.93 | |

| m | 7ᵃ | +25° | |
|---|---|---|---|
| | 1641—1700 | | |
| 9.0 | 11′ 46.4″ | 15.3′ | |
| 9.5 | 12 4.0 | 30.5 | |
| 9.2 | 7.3 | 15.4 | |
| 8.5 | 9.0 | 56.6 | |
| 9.0 | 16.6 | 18.4 | B |
| 9.4 | 19.1 | 3.5 | B |
| 9.2 | 29.4 | 45.1 | |
| 9.3 | 35.0 | 12.6 | |
| 8.5 | 40.0 | 28.7 | |
| 9.0 | 52.7 | 39.0 | |
| 9.0 | 56.2 | 10.3 | |
| 9.0 | 57.8 | 39.7 | |
| 9.3 | 59.5 | 10.0 | |
| 9.0 | 13 39.7 | 11.5 | K |
| 9.1 | 14 11.7 | 4.0 | B |
| 9.4 | 14.6 | 49.4 | |
| 8.9 | 25.8 | 39.1 | |
| 9.4 | 29.1 | 53.4 | B |
| 8.8 | 30.6 | 47.2 | |
| 5.0 | 38.0 | 19.5 | Rb |
| 9.5 | 15 18.6 | 54.1 | |
| 9.2 | 22.3 | 1.9 | |
| 9.5 | 32.2 | 6.0 | |
| 9.2 | 32.7 | 55.9 | K |
| 9.2 | 48.2 | 39.7 | |
| 9.5 | 16 21.6 | 3.4 | |
| 9.5 | 25.8 | 44.5 | |
| 9.3 | 41.7 | 31.5 | |
| 8.6 | 50.8 | 16.0 | K |
| 9.3 | 55.6 | 6.9 | |
| 9.5 | 17 47.8 | 15.7 | |
| 9.5 | 49.6 | 51.3 | |
| 9.5 | 18 10.9 | 25.7 | |
| 9.4 | 20.2 | 48.1 | |
| 9.3 | 19 2.2 | 1.3 | |
| 9.4 | 6.8 | 20.0 | |
| 8.2 | 12.5 | 19.0 | B |
| 9.2 | 12.6 | 41.1 | |
| 9.5 | 24.6 | 4.8 | |
| 9.1 | 39.7 | 15.7 | |
| 9.5 | 44.3 | 25.1 | |
| 9.2 | 49.2 | 33.6 | |
| 8.4 | 20 2.8 | 33.2 | |
| 9.5 | 21.9 | 49.5 | |
| 9.5 | 54.3 | 27.1 | |
| 9.5 | 55.6 | 13.1 | |
| 9.5 | 21 24.3 | 30.0 | |
| 9.5 | 25.6 | 22.5 | |
| 8.3 | 33.0 | 44.3 | K |
| 8.8 | 22 5.0 | 31.8 | |
| 8.6 | 9.5 | 27.6 | |
| 9.2 | 32.2 | 57.3 | |
| 9.5 | 38.5 | 5.4 | |
| 9.4 | 38.8 | 42.0 | |
| 9.3 | 39.1 | 34.4 | B |
| 9.3 | 46.4 | 50.3 | B |
| 9.3 | 47.7 | 40.0 | B |
| 9.5 | 23 34.8 | 39.5 | |
| 9.4 | 35.8 | 42.7 | B |
| 9.5 | 58.2 | 16.6 | |
| | + | — | |
| 10pr. | 36.73 | 1.11 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ʰ | | +25° | | | 7ʰ | | +25° | | | 7ʰ—8ʰ | | +25° | | | 8ʰ | | +25° | | | 8ʰ | | +25° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 24 | 14.8 | 42.1 | α | 9.3 | 38 | 28.3 | 6.3 | | 8.9 | 53 | 34.6 | 16.3 | B | 9.3 | 6 | 13.1 | 56.0 | | 9.4 | 23 | 44.0 | 57.9 | |
| 9.5 | | 23.9 | 3.1 | | 9.0 | | 41.4 | 7.7 | Bb | 9.5 | | 38.3 | 42.5 | | 9.3 | | 16.3 | 16.3 | | 8.5 | | 53.3 | 33.2 | K |
| 9.5 | | 39.7 | 32.9 | | 8.8 | | 44.0 | 48.5 | | 9.1 | | 41.2 | 37.4 | | 9.5 | | 30.1 | 7.0 | | 9.5 | | 56.4 | 27.3 | |
| 8.7 | | 50.5 | 42.2 | K | 9.0 | 39 | 8.8 | 27.0 | | 9.5 | | 48.3 | 3.3 | | 9.4 | | 43.3 | 35.0 | α | 8.9 | 24 | 12.2 | 49.0 | |
| 9.4 | 25 | 7.6 | 3.8 | | 9.5 | | 23.5 | 43.9 | | 8.5 | | 59.1 | 11.9 | K | 9.5 | 7 | 5.0 | 0.3 | | 9.5 | | 41.4 | 13.2 | |
| 9.0 | | 13.6 | 9.3 | K | 9.4 | 40 | 17.3 | 52.6 | | 8.5 | 54 | 9.6 | 23.6 | K | 9.2 | | 9.2 | 33.8 | Bb | 9.5 | | 43.9 | 47.3 | |
| 9.3 | | 34.3 | 33.1 | | 9.5 | | 19.6 | 9.5 | | 9.3 | | 20.7 | 3.6 | | 9.3 | | 11.3 | 45.3 | | 9.4 | 25 | 9.2 | 56.2 | |
| 9.0 | | 50.3 | 8.4 | K | 8.5 | | 43.2 | 26.8 | | 9.4 | | 21.8 | 47.8 | B | 8.7 | | 36.7 | 8.7 | K | 9.3 | | 9.9 | 15.3 | |
| 8.0 | | 59.7 | 14.6 | K | 9.5 | 41 | 9.8 | 46.7 | | 9.5 | | 24.1 | 37.9 | B | 9.5 | 8 | 2.5 | 57.3 | | 9.3 | | 16.8 | 37.0 | |
| 9.5 | 26 | 10.3 | 55.4 | | 9.5 | | 28.0 | 45.6 | | 9.5 | | 28.1 | 41.7 | | 9.1 | | 30.1 | 13.9 | | 8.0 | | 29.2 | 45.4 | K |
| 8.5 | | 25.1 | 52.6 | B | 9.5 | | 47.2 | 12.2 | | 9.5 | | 35.5 | 55.1 | B | 8.8 | | 36.8 | 6.8 | Kb | 8.7 | | 33.1 | 5.4 | K |
| 9.5 | | 30.5 | 31.4 | | 9.5 | | 52.8 | 49.4 | | 9.4 | | 39.4 | 45.8 | | 7.3 | | 55.3 | 16.5 | K | 9.3 | | 50.1 | 1.1 | Kb |
| 8.2 | 27 | 7.2 | 13.2 | K | 8.2 | 42 | 10.7 | 27.7 | K | 9.5 | | 40.9 | 56.3 | α | 8.2 | 9 | 2.6 | 53.5 | K | 9.5 | 26 | 10.0 | 33.9 | |
| 9.2 | | 30.9 | 35.3 | Kb | 9.5 | | 11.5 | 50.5 | | 9.5 | | 54.8 | 47.1 | | 9.3 | | 9.7 | 42.5 | | 9.4 | 27 | 5.3 | 4.7 | |
| 9.4 | 28 | 0.9 | 12.2 | B | 9.3 | | 28.7 | 18.8 | | 9.5 | 55 | 2.3 | 7.1 | | 9.5 | | 25.2 | 23.5 | | 9.4 | | 10.6 | 14.3 | |
| 8.5 | | 6.8 | 18.7 | | 9.5 | | 43.5 | 56.5 | | 9.1 | | 7.4 | 3.8 | | 8.9 | | 33.9 | 51.9 | K | 9.4 | | 12.7 | 55.7 | |
| 9.3 | | 16.8 | 45.3 | B | 9.5 | | 59.0 | 58.1 | | 9.5 | | 18.2 | 29.4 | | 9.0 | 10 | 37.6 | 13.2 | | 9.5 | | 39.9 | 41.4 | |
| 9.3 | | 26.8 | 22.4 | B | 8.0 | 43 | 2.5 | 11.9 | K | 9.5 | | 41.0 | 37.3 | | 8.3 | | 51.1 | 25.6 | L | 9.0 | 28 | 31.5 | 34.9 | K |
| 9.4 | | 26.9 | 3.7 | | 9.0 | | 2.5 | 14.0 | K | 8.9 | 56 | 12.3 | 27.1 | | 8.3 | 11 | 11.2 | 11.8 | L | 8.8 | | 33.8 | 45.9 | K |
| 9.3 | | 29.9 | 51.1 | | 9.4 | | 10.8 | 23.8 | B | 9.3 | | 59.5 | 6.3 | | 9.5 | | 29.1 | 2.5 | | 9.5 | | 40.6 | 3.8 | |
| 9.5 | | 56.8 | 25.0 | | 9.2 | | 17.8 | 29.6 | | 9.1 | 57 | 0.0 | 3.6 | α | 8.2 | | 35.5 | 57.0 | K | 9.1 | 29 | 16.9 | 10.7 | α |
| 9.5 | | 59.3 | 5.9 | | 9.5 | | 27.7 | 11.9 | | 9.2 | | 6.2 | 35.2 | | 9.5 | | 49.4 | 6.7 | | 9.5 | | 51.0 | 2.0 | α |
| 9.5 | 29 | 28.1 | 19.1 | | 9.0 | 44 | 35.2 | 50.1 | | 9.3 | | 6.3 | 46.6 | | 7.5 | 12 | 1.6 | 47.3 | K | 9.5 | 30 | 5.6 | 8.4 | |
| 9.5 | | 28.8 | 38.5 | B | 9.1 | | 47.5 | 40.8 | | 8.7 | | 21.5 | 53.4 | K | 9.3 | | 29.0 | 16.7 | | 9.4 | | 13.7 | 10.9 | B |
| 9.1 | | 33.5 | 0.2 | K | 9.1 | 45 | 2.9 | 5.7 | ab | 9.5 | | 34.4 | 5.5 | α | 9.0 | | 34.5 | 11.8 | | 8.9 | | 31.8 | 23.8 | K |
| 9.5 | | 34.8 | 27.2 | | 9.0 | | 6.3 | 9.5 | | 9.0 | | 44.2 | 23.2 | | 9.0 | | 37.5 | 20.4 | K | 8.6 | | 34.2 | 27.6 | K |
| 8.9 | | 35.5 | 22.1 | K | 9.4 | | 23.8 | 56.3 | | 9.5 | | 56.5 | 5.1 | B | 9.5 | | 57.1 | 50.1 | | 9.4 | | 37.0 | 15.9 | |
| 9.3 | 30 | 6.7 | 32.5 | | 8.8 | | 49.2 | 34.0 | | 9.2 | 58 | 9.8 | 55.9 | | 9.5 | 13 | 50.0 | 52.5 | | 9.4 | | 44.2 | 16.9 | |
| 9.4 | | 28.5 | 7.7 | | 9.5 | 46 | 3.2 | 51.5 | | 9.5 | | 23.7 | 53.2 | | 9.5 | 14 | 21.3 | 3.6 | | 8.5 | 31 | 1.9 | 7.6 | Kb |
| 9.5 | | 41.7 | 8.0 | | 9.3 | | 19.0 | 50.1 | | 9.4 | | 52.6 | 5.1 | | 9.1 | | 52.1 | 37.7 | ab | 9.5 | | 33.2 | 20.4 | |
| 9.5 | 31 | 16.8 | 21.6 | | 9.1 | | 19.3 | 33.7 | α | 9.1 | | 57.2 | 8.3 | α | 9.1 | | 56.5 | 32.5 | α | 9.5 | | 49.5 | 32.5 | |
| 9.5 | | 25.5 | 46.3 | | 9.5 | | 42.2 | 7.3 | | 9.5 | 59 | 17.2 | 18.8 | | 8.8 | 15 | 7.4 | 16.6 | | 9.5 | 33 | 3.1 | 58.4 | |
| 9.4 | | 37.2 | 30.8 | | 9.5 | 47 | 12.4 | 9.9 | | 8.7 | | 22.6 | 7.8 | | 9.3 | | 22.6 | 20.5 | | 8.9 | | 30.2 | 31.1 | K |
| 9.5 | | 38.6 | 57.0 | | 7.5 | | 17.0 | 2.7 | Kb | 8.1 | | 35.2 | 57.8 | K | 9.4 | | 32.6 | 51.1 | | 8.7 | | 48.7 | 33.5 | K |
| 9.3 | 32 | 0.4 | 10.9 | | 9.5 | | 48.3 | 4.0 | | 9.2 | | 38.7 | 7.3 | | 9.1 | | 45.9 | 55.0 | α | 9.5 | 34 | 28.5 | 47.6 | |
| 9.5 | | 7.1 | 6.4 | | 9.3 | 48 | 14.4 | 1.4 | | 9.5 | | 57.2 | 31.0 | | 8.8 | 16 | 3.3 | 9.8 | | 9.5 | | 43.3 | 32.3 | |
| 9.4 | | 12.2 | 45.6 | | 9.1 | | 30.0 | 20.5 | | 9.3 | 0 | 5.0 | 43.5 | | 9.1 | | 14.1 | 41.9 | ab | 8.9 | 35 | 11.2 | 18.6 | K |
| 8.0 | | 16.2 | 18.4 | Kb | 9.2 | | 30.3 | 52.4 | b | 9.1 | | 11.2 | 3.2 | α | 9.5 | 17 | 2.8 | 39.0 | α | 9.5 | | 25.7 | 24.9 | |
| 9.5 | 33 | 23.0 | 55.9 | | 9.5 | 49 | 18.2 | 9.6 | | 9.5 | | 34.3 | 37.2 | | 9.2 | | 56.7 | 56.0 | | 9.3 | | 32.6 | 38.6 | |
| 9.4 | | 25.6 | 49.1 | B | 9.4 | | 24.5 | 46.7 | | 8.0 | | 43.0 | 13.4 | K | 6.5 | 18 | 2.0 | 0.7 | K | 9.5 | | 41.2 | 35.9 | |
| 9.4 | | 33.0 | 24.0 | | 9.4 | | 34.1 | 30.8 | B | 9.1 | | 43.5 | 0.6 | B | 9.1 | | 33.1 | 37.3 | ab | 9.0 | | 52.2 | 19.4 | K |
| 9.5 | | 46.5 | 2.5 | | 9.4 | 50 | 5.7 | 12.5 | | 9.3 | | 50.3 | 1.5 | B | 9.5 | | 34.7 | 25.0 | B | 8.9 | 37 | 9.6 | 17.3 | |
| 9.5 | 34 | 9.8 | 27.8 | | 9.3 | | 21.8 | 12.5 | | 9.5 | | 52.0 | 6.5 | | 9.3 | 19 | 6.2 | 44.2 | | 7.8 | | 29.2 | 53.5 | K |
| 9.4 | | 20.6 | 35.5 | B | 9.5 | | 31.0 | 50.1 | | 8.0 | | 58.8 | 58.7 | K | 9.3 | | 8.0 | 54.5 | | 9.2 | | 34.2 | 50.1 | K |
| 9.5 | | 28.7 | 35.8 | B | 8.5 | | 43.3 | 19.1 | | 6.1 | 1 | 44.5 | 56.2 | K | 9.5 | | 18.6 | 43.9 | | 9.5 | 38 | 26.7 | 33.9 | |
| 9.2 | | 40.2 | 56.3 | K | 8.8 | 51 | 12.2 | 23.9 | | 9.2 | | 52.3 | 8.2 | B | 9.5 | | 32.1 | 20.8 | | 9.4 | | 29.3 | 28.0 | |
| 9.3 | | 53.6 | 26.7 | | 9.4 | | 32.7 | 9.5 | | 9.4 | | 59.2 | 5.7 | α | 8.1 | | 52.0 | 1.3 | K | 9.5 | | 50.0 | 20.4 | |
| 9.5 | | 55.3 | 7.5 | | 9.4 | | 34.5 | 39.3 | | 9.2 | 2 | 23.8 | 28.0 | | 9.4 | 20 | 24.5 | 3.7 | | 9.4 | 39 | 40.6 | 23.5 | B |
| 9.3 | | 58.2 | 9.1 | | 9.5 | | 38.3 | 1.9 | | 9.3 | | 37.0 | 33.7 | B | 9.3 | | 28.4 | 30.5 | | 9.3 | | 57.8 | 36.7 | b |
| 9.1 | 35 | 47.8 | 51.7 | | 8.0 | | 40.8 | 25.3 | K | 9.2 | | 40.4 | 31.2 | | 9.4 | | 29.5 | 34.0 | | 9.5 | | 59.0 | 26.5 | |
| 8.8 | 36 | 44.7 | 4.4 | | 8.9 | | 47.0 | 37.0 | K | 9.0 | 3 | 8.1 | 26.7 | K | 9.1 | | 30.7 | 39.7 | ab | 9.5 | 40 | 1.6 | 22.8 | α |
| 9.4 | 37 | 4.8 | 31.8 | | 6.5 | 52 | 10.6 | 46.4 | Kb | 8.7 | | 22.3 | 37.0 | K | 9.5 | | 57.1 | 58.5 | | 9.5 | | 20.2 | 47.8 | |
| 9.2 | | 9.0 | 26.0 | | 9.3 | | 10.9 | 23.1 | B | 9.5 | | 51.6 | 15.6 | | 9.5 | 21 | 17.2 | 6.0 | | 9.5 | | 26.5 | 52.0 | |
| 9.3 | | 9.5 | 59.5 | | 9.4 | | 11.0 | 12.9 | | 9.5 | 4 | 20.1 | 23.9 | | 9.0 | | 22.2 | 13.5 | K | 9.5 | | 28.4 | 1.2 | |
| 9.5 | | 14.6 | 4.4 | | 9.5 | | 46.2 | 58.3 | | 9.0 | | 20.3 | 45.3 | K | 9.4 | 22 | 8.0 | 37.6 | | 9.5 | | 37.6 | 42.4 | |
| 9.5 | | 23.2 | 16.7 | | 7.0 | | 59.0 | 28.8 | Kb | 9.3 | | 21.9 | 37.4 | | 9.1 | | 44.2 | 55.8 | | 9.5 | | 48.0 | 39.0 | |
| 9.5 | | 55.3 | 46.0 | | 9.4 | 53 | 10.2 | 55.3 | | 9.3 | | 44.6 | 45.0 | | 8.8 | | 50.6 | 28.0 | | 8.8 | 41 | 43.3 | 7.1 | |
| 9.5 | | 58.7 | 15.7 | | 8.5 | | 18.8 | 42.5 | | 8.8 | | 54.5 | 8.7 | Kb | 9.3 | 23 | 24.2 | 43.5 | α | 9.3 | 42 | 27.7 | 23.2 | |
| 9.0 | 38 | 22.2 | 12.2 | | 8.5 | | 22.0 | 20.2 | K | 9.4 | 5 | 27.0 | 0.9 | | 9.5 | | 25.6 | 51.1 | | 9.4 | | 34.5 | 34.0 | |
| 9.4 | | 27.0 | 28.1 | | 9.2 | | 31.1 | 15.7 | K | 8.4 | 6 | 3.6 | 10.0 | | 9.4 | | 32.3 | 2.1 | | 8.8 | 43 | 5.0 | 45.9 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.60 | 1.29 | | 10pr. | | 36.42 | 1.49 | | 10pr. | | 36.26 | 1.66 | | 10pr. | | 36.02 | 1.86 | | 10pr. | | 35.75 | 2.05 | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ—9ᵘ | | +25° | | | 9ᵘ | | +25° | | | 9ᵘ | | +25° | | | 9ᵘ—10ᵘ | | +25° | | | 10ᵘ | | +25° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 43 | 5.2 | 57.9 | | 9.4 | 3 | 37.2 | 59.7 | | 9.0 | 26 | 42.9 | 32.8 | | 9.1 | 47 | 50.6 | 13.7 | | 8.7 | 14 | 36.1 | 29.8 | Lb |
| 9.5 | | 7.3 | 30.1 | | 8.1 | 5 | 13.4 | 51.0 | K | 9.5 | | 56.8 | 9.1 | | 8.6 | 48 | 7.7 | 19.6 | | 9.0 | | 44.0 | 47.5 | B |
| 8.3 | | 37.1 | 41.4 | K | 8.3 | | 41.8 | 53.9 | K | 9.5 | 27 | 21.9 | 13.2 | | 8.6 | | 9.2 | 24.4 | | 8.9 | 15 | 13.0 | 44.5 | L |
| 9.3 | | 59.1 | 58.0 | | 9.2 | | 44.3 | 17.3 | | 9.1 | 29 | 4.8 | 59.6 | a | 8.5 | | 31.0 | 44.6 | B | 9.5 | | 34.9 | 56.9 | a |
| 9.4 | 44 | 2.1 | 59.7 | | 7.0 | 6 | 0.6 | 36.9 | L | 9.5 | | 12.9 | 41.7 | | 8.4 | | 41.2 | 39.3 | K | 9.3 | | 56.3 | 26.7 | |
| 9.3 | | 2.4 | 49.6 | | 9.4 | | 14.8 | 57.8 | | 9.0 | | 15.0 | 2.9 | K | 8.0 | 49 | 5.9 | 29.3 | L | 9.4 | 16 | 50.9 | 7.8 | |
| 9.2 | | 30.0 | 26.7 | | 9.5 | | 36.9 | 10.8 | | 6.5 | | 31.6 | 19.7 | Kb | 9.5 | | 13.3 | 53.1 | | 8.0 | | 59.0 | 20.8 | K |
| 9.2 | | 31.6 | 36.5 | a | 9.5 | 7 | 23.7 | 56.7 | | 8.9 | | 50.6 | 49.7 | | 9.5 | | 18.2 | 43.7 | | 8.8 | 17 | 37.8 | 56.6 | K |
| 9.0 | 46 | 18.9 | 34.9 | | 8.9 | | 27.1 | 7.3 | | 9.2 | | 51.7 | 8.4 | | 8.3 | | 34 8 | 18.2 | L | 7.2 | 18 | 13.3 | 27.7 | K |
| 9.5 | | 47.8 | 53.4 | B | 9.4 | | 43.9 | 21.8 | | 8.9 | 30 | 37.2 | 0.0 | B | 8.5 | 50 | 44.7 | 5.9 | b | 9.1 | | 25.3 | 48.6 | a |
| 9.1 | 47 | 18.1 | 37.0 | Bb | 9.5 | | 56.3 | 59.3 | | 9.3 | | 45.2 | 5.5 | | 7.5 | 51 | 53.7 | 14.8 | K | 9.5 | | 34.7 | 58.2 | a |
| 9.2 | | 31.1 | 31.0 | | 9.5 | 8 | 15.8 | 59.1 | | 9.5 | 31 | 4.3 | 9.9 | | 9.5 | 52 | 39.5 | 22.4 | | 9.3 | | 41.0 | 48.6 | |
| 7.0 | | 43.2 | 0.8 | K | 8.6 | | 18.9 | 14.4 | Kb | 9.3 | | 29.4 | 33.8 | | 9.5 | 53 | 41.0 | 15.1 | | 9.0 | | 52.3 | 48.7 | |
| 9.0 | | 52.8 | 56.9 | | 9.5 | | 21.0 | 23.2 | | 8.0 | 32 | 4.9 | 40.7 | K | 9.4 | | 44.1 | 9.9 | B | 7.7 | | 54.2 | 40.4 | K |
| 8.9 | 48 | 15.1 | 32.8 | L | 9.4 | 9 | 41.8 | 52.5 | | 9.5 | | 27.7 | 53.6 | | 8.8 | 54 | 10.7 | 58.6 | | 8.8 | 20 | 14.7 | 36.3 | K |
| 9.2 | 49 | 17.4 | 3.3 | K | 9.1 | 10 | 2.7 | 49.7 | a | 9.3 | | 32.3 | 50.0 | | 9.4 | 55 | 17.6 | 52.2 | | 9.5 | 22 | 21.7 | 58.8 | B |
| 8.5 | 50 | 6.2 | 55.6 | L | 9.5 | | 14.9 | 50.0 | | 9.5 | 33 | 1.3 | 2.8 | | 8.8 | 56 | 2.5 | 55.7 | R | 9.3 | 23 | 30.0 | 52.3 | a |
| 7.5 | | 17.7 | 57.8 | L | 9.4 | | 23.7 | 4118 | | 9.2 | | 58.6 | 9.4 | | 8.3 | | 19.2 | 55.6 | K | 7.8 | | 56.9 | 28.0 | B |
| 9.0 | | 23.1 | 56.1 | | 9.5 | | 52.4 | 12.5 | | 9.2 | 35 | 0.6 | 50.8 | | 8.5 | 57 | 13.4 | 25.0 | Kb | 9.4 | 24 | 6.4 | 13.6 | B |
| 8.9 | | 32.6 | 40.4 | | 8.6 | | 56.6 | 0.6 | K | 9.5 | | 1.8 | 40.5 | | 8.4 | | 17.1 | 31.3 | K | 6.8 | | 17.2 | 11.2 | K |
| 9.5 | 51 | 11.5 | 32.4 | | 8.0 | 11 | 4.7 | 46.9 | K | 8.6 | | 5.3 | 16.2 | K | 9.3 | 58 | 39.3 | 17.9 | K | 9.3 | | 41.3 | 29.5 | |
| 9.0 | | 14.5 | 10.5 | K | 9.2 | | 10.8 | 54.3 | | 8.8 | | 7.2 | 15.1 | K | 9.4 | 59 | 55.3 | 31.4 | | 9.5 | | 52.3 | 10.9 | |
| 9.5 | | 45.6 | 54.0 | B | 7.3 | | 24.2 | 2.2 | K | 9.5 | | 25 5 | 52.1 | | 7.3 | 0 | 20.2 | 1.0 | K | 7.5 | 25 | 15.1 | 52.2 | Kb |
| 8.3 | | 55.4 | 3.1 | Lb | 7.0 | 12 | 44.3 | 47.2 | K | 8.8 | | 45.7 | 57.1 | | 8.7 | | 28.9 | 9.3 | Kb | 9.1 | | 35.5 | 56.9 | a |
| 9.5 | 52 | 17.3 | 1.8 | | 8.6 | 13 | 0.2 | 58.0 | K | 9.5 | | 48.0 | 34.6 | | 9.5 | 1 | 5.2 | 42.8 | | 9.5 | | 48.7 | 23.0 | |
| 9.5 | | 35.3 | 36.1 | | 9.3 | 14 | 14.3 | 11.1 | | 9.0 | 36 | 2.8 | 54.4 | | 8.5 | | 12.7 | 14.8 | K | 9.5 | 26 | 10.5 | 55.9 | B |
| 8.8 | | 37.7 | 39.8 | B | 9.0 | | 42.6 | 23.9 | | 9.5 | 37 | 27.0 | 58.5 | | 9.0 | | 16.4 | 39.0 | | 9.3 | | 44.0 | 17.3 | |
| 8.9 | 53 | 29.4 | 59.6 | | 6.5 | 15 | 8.8 | 49.0 | Kb | 9.2 | | 28.6 | 40.4 | | 9.1 | | 24.7 | 54.8 | ab | 9.3 | | 47.7 | 12.0 | |
| 5.3 | 54 | 17.2 | 1.5 | Kb | 7.3 | | 52.8 | 4.3 | K | 9.5 | 38 | 57.1 | 12.4 | | 9.0 | 2 | 24.0 | 15.8 | K | 9.2 | | 56.0 | 46.9 | ab |
| 9.3 | | 46.7 | 41.4 | | 9.5 | 16 | 24.5 | 58.0 | | 9.5 | 39 | 7.4 | 15.9 | B | 9.2 | | 25.9 | 10.4 | B | 9.5 | 27 | 26.6 | 57.5 | a |
| 9.2 | | 53.5 | 16.3 | a | 8.0 | | 34.6 | 51.7 | L | 9.3 | | 54.6 | 18.3 | | 9.2 | 3 | 11.3 | 58.7 | a | 8.1 | 29 | 22.1 | 50.2 | L |
| 9.4 | 55 | 7.6 | 3.9 | | 9.4 | | 48.3 | 49.3 | a | 9.3 | 40 | 13.6 | 9.0 | | 8.4 | 4 | 20.4 | 36.5 | B | 9.1 | | 22.3 | 20.2 | K |
| 8.8 | | 29.0 | 36.7 | B | 8.3 | | 49.9 | 22.5 | | 9.2 | | 13.8 | 50.7 | B | 9.5 | | 47.2 | 11.7 | | 9.1 | | 24.2 | 19.6 | B |
| 8.7 | | 54.1 | 56.6 | K | 9.0 | 17 | 0.8 | 8.1 | | 9.3 | | 16.1 | 53.0 | a | 9.5 | 5 | 43.9 | 14.5 | | 9.0 | | 28.0 | 2.7 | |
| 9.5 | 56 | 5.5 | 49.6 | | 9.0 | | 6.9 | 44.8 | L | 8.0 | | 27.4 | 13.5 | K | 9.5 | | 50.2 | 32.4 | | 9.2 | | 28.9 | 40.2 | B |
| 8.2 | | 22.2 | 10.8 | L | 9.5 | 18 | 5.0 | 30.0 | | 9.5 | | 30.1 | 4.1 | | 9.4 | 6 | 10.7 | 12.0 | | 9.4 | | 58.4 | 32.5 | B |
| 9.5 | | 50.2 | 52.7 | | 9.5 | | 36.3 | 3.1 | | 8.6 | | 57.5 | 6.2 | Kb | 9.5 | | 27.1 | 21.4 | | 9.0 | 30 | 5.7 | 45.1 | |
| 9.5 | | 57.2 | 44.5 | | 9.1 | 19 | 25.3 | 53.2 | K | 8.9 | 41 | 3.4 | 52.5 | | 9.5 | | 27.3 | 17.7 | B | 9.3 | 31 | 27.8 | 21.5 | |
| 9.3 | 57 | 0.6 | 59.1 | B | 9.5 | | 53.4 | 6.3 | | 8.3 | | 14.7 | 3.5 | K | 9.3 | | 53.2 | 6.5 | | 9.5 | | 57.0 | 49.8 | |
| 9.0 | | 3.5 | 35.3 | K | 9.5 | 20 | 37.0 | 51.1 | a | 9.0 | | 18.7 | 22.8 | | 9.5 | | 58.5 | 21.4 | | 9.4 | 32 | 8.9 | 44.3 | |
| 9.5 | 58 | 1.2 | 33.8 | | 9.5 | | 50.6 | 56.1 | | 9.5 | | 39.8 | 35.9 | | 9.5 | 7 | 23 2 | 26.8 | | 9.3 | 33 | 35.5 | 7.7 | |
| 9.5 | | 4.3 | 11.9 | | 9.5 | 21 | 0.9 | 43.8 | | 9.1 | | 40.2 | 27.3 | | 9.0 | | 30.9 | 47.9 | K | 9.0 | | 44.1 | 7.6 | |
| 9.5 | | 5.3 | 14.9 | B | 9.3 | | 12.4 | 53.9 | | 7.0 | | 56.6 | 13.8 | Kb | 8.9 | 8 | 4.0 | 3.1 | | 9.4 | 34 | 23.3 | 1.8 | B |
| 9.3 | | 20.6 | 45.9 | | 9.5 | | 32.3 | 33.2 | | 9.0 | 42 | 59.7 | 48.1 | | 8.0 | | 40.8 | 10.0 | B | 9.5 | | 26.5 | 3.8 | a |
| 9.5 | | 41.3 | 39.0 | | 8.3 | | 43.7 | 18.7 | K | 8.8 | 43 | 5.9 | 38.0 | B | 9.5 | | 58.2 | 0.5 | | 9.0 | | 38.7 | 29.4 | |
| 9.4 | | 52.7 | 25.5 | | 9.0 | | 58.9 | 44.6 | B | 9.0 | | 14.7 | 30.7 | | 8.5 | 9 | 0.4 | 50.6 | | 8.8 | | 53.4 | 54.3 | K |
| 9.2 | | 53.2 | 22.6 | a | 9.2 | 22 | 22.8 | 55.3 | | 9.5 | | 17.2 | 57.9 | | 9.4 | | 0.7 | 23.0 | | 9.1 | 35 | 16.4 | 36.8 | K |
| 9.4 | 59 | 9.5 | 19.1 | | 9.0 | | 30.0 | 29.7 | | 9.0 | | 20.0 | 23.8 | | 9.3 | | 11.6 | 54.3 | a | 9.3 | | 40.8 | 40.6 | B |
| 9.5 | | 15.0 | 4.5 | | 8.5 | | 44.0 | 40.8 | K | 5.8 | | 39.8 | 5.1 | Kb | 9.5 | | 20.0 | 0.1 | | 9.1 | 36 | 16.0 | 49.3 | a |
| 8.7 | | 15.8 | 23.5 | B | 9.0 | 23 | 3.3 | 46.3 | | 7.7 | 44 | 0.0 | 47.5 | K | 9.5 | 10 | 14.7 | 46.3 | | 8.8 | | 43.0 | 43.6 | K |
| 9.3 | 0 | 9.6 | 27.0 | | 8.6 | | 10.1 | 4.4 | K | 9.5 | | 2.8 | 32.7 | a | 7.0 | | 56.0 | 27.0 | K | 9.1 | | 50.6 | 48.5 | K |
| 9.3 | | 42.1 | 3.3 | b | 8.8 | | 19.3 | 26.3 | | 9.5 | 45 | 0.2 | 26.5 | | 8.2 | 11 | 7.9 | 5.1 | Kb | 9.5 | 37 | 4.2 | 7.5 | |
| 9.4 | | 43.6 | 18.3 | | 8.5 | | 27.9 | 36.3 | K | 9 3 | | 23.7 | 35.1 | | 9.2 | | 8.3 | 36.3 | | 8.8 | | 10.1 | 3.2 | Kb |
| *9.5 | 2 | 29.0 | 10.9 | | 9.4 | | 58.0 | 54.4 | B | 9.3 | | 24.2 | 44.5 | | 9.3 | | 41.6 | 3.5 | K | 9.4 | | 39.9 | 4.8 | |
| 9.5 | | 31.6 | 23.2 | | 9.5 | 24 | 8.0 | 54.9 | | 9.5 | | 24.3 | 16.7 | B | 9.3 | 13 | 2.2 | 22.5 | | 8.8 | | 46.0 | 14.2 | K |
| 8.5 | | 52.8 | 59.6 | K | 9.4 | | 28.8 | 53.4 | | 9.5 | | 39.5 | 50.0 | | 9.3 | | 20.8 | 6.9 | Kb | 9.3 | | 50.2 | 29.4 | |
| 9.0 | 3 | 6.4 | 59.2 | K | 9.1 | | 39.0 | 18.4 | | 9.3 | 46 | 12.3 | 58.6 | | 8.7 | 14 | 23.5 | 50.4 | K | 8.5 | 38 | 31.0 | 19.5 | K |
| 9.5 | | 14.5 | 33.4 | | 8.9 | 25 | 35.0 | 30.8 | | 7.5 | | 53.5 | 19.7 | K | 8.5 | | 32.0 | 56.5 | K | 8.8 | | 34.3 | 25.3 | K |
| 9.0 | | 26.3 | 39.6 | B | 9.4 | | 39.6 | 23.3 | | 9.3 | 47 | 4.7 | 27.3 | | 9.1 | | 33.9 | 55.9 | K | 9.0 | 39 | 52.6 | 1.7 | B |
| 9.3 | | 33.9 | 49.7 | | 9.4 | 26 | 42.7 | 40.4 | | 8.6 | | 27.3 | 53.8 | | 7.9 | | 35.3 | 19.1 | L | 9.2 | | 53.1 | 26.0 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.33 | 2.31 | | 10pr. | | 34.89 | 2.52 | | 10pr. | | 34.39 | 2.74 | | 10pr. | | 33.84 | 2.91 | | 10pr. | | 33.20 | 3.08 | |

| 2053 a | | | |
|---|---|---|---|
| var | 1 | 24 | 60.1 |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ʰ—11ʰ | | +25° | | | 11ʰ | | +25° | | | 11ʰ—12ʰ | | +25° | | | 12ʰ | | +25° | | | 12ʰ—13ʰ | | +25° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | |
| 9.5 | 40 | 46.0 | 32.8 | R | 9.5 | 9 30.7 | 42.8 | B | | 9.3 | 40 42.4 | 16.1 | | | 8.5 | 9 50.7 | 25.9 | K | | 9.5 | 32 6.5 | 57.6 | |
| 9.5 | 41 | 12.0 | 51.7 | a | 7.5 | 10 1.5 | 51.8 | K | | 9.5 | 44.7 | 28.8 | | | 8.7 | 10 27.6 | 50.4 | K | | 9.1 | 12.3 | 7.1 | |
| 9.4 | | 50.1 | 3.4 | | 9.5 | 11.9 | 12.3 | | | 9.5 | 41 13.9 | 59.1 | | | 9.3 | 31.6 | 56.5 | K | | 8.5 | 52.7 | 27.0 | |
| 9.1 | 42 | 37.0 | 35.3 | b | 9.5 | 12 32.0 | 22.5 | | | 9.5 | 58.8 | 9.0 | | | 9.5 | 11 0.0 | 16.3 | | | 8.5 | 54.2 | 47.7 | |
| 9.2 | | 44.3 | 56.2 | a | 9.5 | 14 34.3 | 55.7 | | | 9.4 | 42 20.9 | 50.9 | b | | 8.8 | 30.3 | 5.6 | | | 9.5 | 34 26.7 | 23.5 | |
| 8.3 | 43 | 11.0 | 12.8 | S | 9.4 | 38.4 | 32.7 | a | | 9.5 | 43 51.5 | 59.1 | a | | 8.4 | 42.2 | 39.1 | B | | 9.5 | 35 36.3 | 13.2 | |
| 9.5 | | 59.7 | 30.7 | a | 8.2 | 15 0.4 | 32.3 | K | | 9.4 | 44 48.3 | 16.2 | b | | 7.5 | 56.1 | 52.4 | K | | 9.2 | 53.3 | 18.5 | B |
| 9.4 | 44 | 43.1 | 51.1 | ab | 9.1 | 16 6.3 | 12.7 | a | | 9.4 | 45 14.3 | 58.5 | B | | 8.8 | 12 9.5 | 5.2 | Kb | | 8.0 | 53.5 | 6.1 | Lb |
| 9.5 | 45 | 7.0 | 44.9 | | 9.0 | 10.6 | 44.9 | L | | 9.5 | 56.0 | 38.2 | | | 9.5 | 23.2 | 55.3 | | | 8.5 | 36 2.8 | 24.3 | L |
| 9.5 | | 57.0 | 20.8 | | 9.1 | 28.2 | 7.4 | | | 8.5 | 46 39.3 | 30.3 | K | | 9.5 | 42.4 | 3.1 | | | 9.4 | 4.4 | 37.0 | |
| 9.5 | 46 | 36.9 | 43.5 | | 9.0 | 17 25.4 | 14.4 | | | 9.2 | 47 6.8 | 39.2 | | | 9.5 | 44.7 | 26.6 | | | 9.4 | 4.6 | 57.7 | |
| 9.3 | 47 | 14.6 | 30.0 | B | 9.1 | 38.9 | 10.6 | ab | | 9.1 | 41.4 | 30.6 | | | 8.4 | 13 28.5 | 1.6 | | | 9.3 | 5.2 | 40.7 | |
| 9.4 | | 23.7 | 34.5 | | 9.5 | 50.7 | 5.2 | | | 9.5 | 59.6 | 11.6 | | | 7.2 | 48.2 | 50.5 | L | | 9.3 | 9.9 | 33.0 | B |
| 4.0 | | 45.1 | 32.7 | Kb | 9.2 | 18 22.5 | 54.7 | K | | 9.3 | 48 22.2 | 7.6 | | | 9.5 | 14 3.9 | 54.2 | B | | 9.0 | 37 9.8 | 18.5 | Kb |
| 9.4 | | 49.5 | 45.9 | B | 9.4 | 22.5 | 29.4 | | | 9.5 | 42.7 | 34.1 | | | 7.5 | 8.6 | 48.9 | L | | 8.5 | 13.7 | 32.9 | |
| 9.5 | | 54.6 | 55.4 | a | 7.3 | 19 30.3 | 49.8 | K | | 9.0 | 58.8 | 46.8 | | | 8.5 | 10.7 | 18.7 | | | 9.0 | 38 25.7 | 42.9 | B |
| 8.9 | 49 | 36.9 | 9.0 | | 9.2 | 49.8 | 17.1 | | | 9.4 | 49 7.3 | 21.7 | B | | 9.4 | 46.9 | 54.5 | B | | 9.2 | 28.3 | 24.3 | |
| 9.5 | | 45.8 | 59.3 | | 9.5 | 51.7 | 0.4 | | | 9.1 | 19.7 | 32.0 | K | | 6.5 | 55.2 | 33.9 | K | | 9.5 | 34.5 | 7.0 | |
| 7.7 | 50 | 19.0 | 8.7 | K | 9.5 | 20 12.1 | 37.0 | | | 9.2 | 27.7 | 1.0 | b | | 9.5 | 15 5.4 | 56.5 | | | 8.5 | 43.3 | 24.6 | |
| 9.5 | | 29.6 | 17.9 | | 9.2 | 13.9 | 18.7 | | | 8.8 | 49.4 | 25.1 | | | 9.5 | 35.9 | 52.4 | | | 8.8 | 45.8 | 31.5 | |
| 9.4 | 51 | 17.1 | 9.3 | | 8.9 | 17.0 | 6.2 | | | 8.7 | 50 26.7 | 45.2 | L | | 7.0 | 16 12.0 | 23.9 | B | | 8.5 | 40 8.2 | 2.4 | K |
| 9.1 | | 57.4 | 42.3 | | 9.5 | 26.7 | 54.9 | | | 7.8 | 37.3 | 57.4 | K | | 9.4 | 57.6 | 6.8 | | | 9.2 | 21.9 | 47.6 | |
| 9.5 | | 57.9 | 54.5 | B | 9.0 | 41.6 | 15.8 | | | 9.0 | 39.2 | 17.6 | | | 9.4 | 59.3 | 59.5 | | | 9.1 | 31.9 | 52.4 | |
| 9.1 | 52 | 1.1 | 21.0 | ab | 9.2 | 22 8.9 | 35.4 | K | | 9.2 | 51 42.0 | 28.8 | B | | 9.5 | 17 49.4 | 19.7 | | | 8.9 | 41 10.7 | 55.8 | |
| 9.2 | 53 | 39.7 | 13.9 | K | 7.5 | 13.8 | 45.2 | K | | 8.0 | 46.7 | 26.8 | K | | 9.5 | 59.8 | 58.7 | | | 9.5 | 18.3 | 6.2 | |
| 9.5 | | 51.4 | 24.0 | | 7.8 | 23.9 | 41.5 | K | | 9.3 | 52 41.4 | 16.5 | | | 9.2 | 19 58.3 | 41.2 | a | | 8.9 | 25.2 | 33.3 | B |
| 9.5 | | 54.6 | 0.7 | | 9.1 | 23 13.8 | 32.5 | | | 9.5 | 48.7 | 29.6 | | | 8.0 | 20 11.6 | 27.6 | B | | 9.1 | 25.6 | 31.6 | |
| 9.5 | 54 | 33.3 | 24.7 | | 7.1 | 24 13.9 | 7.1 | K | | 7.6 | 53 51.4 | 1.7 | Kb | | 8.6 | 17.8 | 2.0 | K | | 6.0 | 43.6 | 38.6 | K |
| 9.5 | | 45.3 | 13.7 | | 8.8 | 59.9 | 7.2 | K | | 7.0 | 55 16.7 | 15.2 | K | | 9.5 | 49.6 | 2.5 | | | 9.2 | 43 41.3 | 6.2 | b |
| 9.5 | | 59.4 | 47.8 | a | 8.8 | 25 8.8 | 32.7 | K | | 7.5 | 21.0 | 37.9 | K | | 8.3 | 59.2 | 50.5 | K | | 8.4 | 46 11.4 | 56.3 | K |
| 9.5 | 55 | 16.7 | 51.9 | a | 9.5 | 26 25.7 | 23.4 | | | 9.5 | 23.8 | 12.2 | | | 9.0 | 22 23.3 | 18.4 | | | 8.0 | 49.8 | 24.9 | Kb |
| 9.5 | | 17.1 | 4.0 | | 9.2 | 28 1.8 | 4.6 | Kb | | 9.4 | 56 2.3 | 28.0 | B | | 9.3 | 25.5 | 44.5 | B | | 8.8 | 52.5 | 32.2 | |
| 9.5 | 56 | 45.1 | 7.8 | B | 8.9 | 11.4 | 24.1 | | | 8.7 | 19.4 | 55.0 | K | | 7.7 | 40.3 | 7.9 | K | | 8.8 | 47 59.5 | 10.7 | |
| 9.4 | | 47.0 | 54.0 | B | 6.8 | 51.7 | 50.0 | K | | 7.3 | 38.1 | 45.4 | L | | 8.3 | 42.9 | 20.8 | L | | 9.3 | 48 9.2 | 33.5 | |
| 7.8 | 57 | 31.6 | 59.0 | Kb | 9.5 | 29 29.6 | 54.3 | | | 9.3 | 56.9 | 37.8 | | | 9.4 | 23 9.8 | 39.1 | | | 9.5 | 18.5 | 46.9 | |
| 9.2 | | 32.4 | 54.1 | a | 8.8 | 40.1 | 47.7 | Kb | | 9.5 | 57 33.3 | 2.2 | | | 9.2 | 43.5 | 51.7 | b | | 9.5 | 49 22.0 | 26.0 | |
| 9.2 | | 45.4 | 24.0 | K | 9.3 | 30 14.0 | 39.9 | K | | 9.5 | 58 22.7 | 32.0 | B | | 5.3 | 46.8 | 22.5 | K | | 8.7 | 56.9 | 10.5 | K |
| 8.3 | 58 | 18.8 | 0.2 | | 8.3 | 34.9 | 16.2 | K | | 9.5 | 51.7 | 42.6 | | | 8.8 | 24 18.3 | 25.9 | K | | 8.0 | 50 23.5 | 44.5 | K |
| 9.5 | | 21.9 | 26.8 | | 9.5 | 31 0.7 | 49.5 | | | 9.3 | 59 18.1 | 30.4 | | | 9.5 | 20.4 | 1.8 | | | 9.5 | 46.0 | 17.7 | a |
| 8.9 | 59 | 36.9 | 36.7 | K | 9.5 | 32 1.9 | 42.2 | B | | 9.3 | 43.7 | 24.8 | | | 9.5 | 44.2 | 52.2 | | | 9.4 | 51 8.1 | 18.5 | B |
| 9.3 | | 52.8 | 30.3 | | 8.7 | 35.1 | 19.6 | K | | 9.5 | 0 13.3 | 50.9 | | | 9.1 | 25 17.7 | 2.2 | | | 9.3 | 30.5 | 13.5 | |
| 9.4 | 0 | 21.4 | 23.4 | | 9.1 | 43.1 | 26.1 | | | 9.1 | 16.2 | 37.8 | | | 7.3 | 26 18.5 | 14.9 | B | | 9.3 | 52 56.9 | 53.1 | a |
| 9.5 | 1 | 0.3 | 10.6 | | 8.4 | 33 40.3 | 37.1 | K | | 9.4 | 52.9 | 43.4 | | | 6.3 | 21.2 | 4.9 | Kb | | 7.4 | 54 1.4 | 5.9 | K |
| 6.0 | | 1.8 | 27.8 | K | 9.5 | 34 13.4 | 42.6 | | | 9.5 | 55.4 | 45.4 | | | 9.3 | 30.3 | 58.2 | | | 9.1 | 53.5 | 33.9 | b |
| 9.2 | | 31.3 | 6.2 | b | 9.5 | 35 41.4 | 27.2 | | | 8.5 | 1 8.2 | 36.4 | B | | 9.4 | 27 9.7 | 27.4 | | | 9.3 | 56 0.7 | 58.8 | B |
| 8.6 | 2 | 52.2 | 55.0 | K | 9.5 | 36 13.6 | 10.8 | a | | 8.9 | 32.5 | 31.6 | Kb | | 7.7 | 33.3 | 2.5 | K | | 9.5 | 23.5 | 43.9 | |
| 9.1 | | 54.8 | 36.1 | K | 9.2 | 24.7 | 48.8 | | | 9.1 | 2 40.8 | 18.6 | | | 9.5 | 35.8 | 11.6 | | | 9.5 | 57 51.0 | 23.6 | |
| 9.5 | 3 | 28.9 | 2.7 | | 9.5 | 53.0 | 7.0 | | | 8.4 | 43.0 | 3.3 | Kb | | 7.8 | 41.0 | 18.3 | L | | 9.4 | 58.2 | 55.4 | |
| 9.5 | | 33.1 | 7.4 | | 9.0 | 55.9 | 11.5 | B | | 9.4 | 58.5 | 53.2 | B | | 9.1 | 28 27.8 | 15.3 | | | 9.3 | 58 5.9 | 55.0 | |
| 8.8 | | 58.8 | 37.5 | | 9.5 | 37 56.9 | 26.7 | | | 8.5 | 3 41.3 | 7.3 | L | | 9.5 | 40.7 | 34.2 | | | 9.3 | 6.2 | 8.2 | |
| 9.5 | 4 | 16.8 | 29.9 | | 8.1 | 59.7 | 55.5 | K | | 7.7 | 53.8 | 33.6 | B | | 9.5 | 29 20.3 | 14.3 | | | 9.1 | 19.3 | 45.6 | K |
| 8.1 | | 43.9 | 26.4 | K | 9.5 | 38 1.6 | 20.7 | B | | 9.0 | 4 13.2 | 34.7 | | | 9.4 | 30 8.4 | 39.1 | | | 9.5 | 35.5 | 40.4 | |
| 8.3 | 5 | 56.0 | 54.3 | L | 9.3 | 19.4 | 37.8 | | | 9.5 | 48.2 | 5.7 | | | 9.5 | 9.8 | 45.6 | | | 9.3 | 45.0 | 39.7 | |
| 9.5 | 6 | 13.9 | 35.7 | | 9.5 | 41.0 | 2.4 | | | 9.5 | 5 35.5 | 17.0 | | | 9.2 | 11.2 | 51.9 | ab | | 9.3 | 55.8 | 9.1 | |
| 9.0 | 7 | 4.3 | 28.9 | | 9.0 | 46.1 | 25.1 | | | 9.5 | 6. 2.5 | 32.9 | | | 9.5 | 31 20.9 | 43.2 | | | 9.0 | 59 4.7 | 57.2 | K |
| 9.4 | | 6.3 | 55.4 | | 9.2 | 51.7 | 31.3 | | | 9.5 | 29.3 | 47.0 | b | | 9.3 | 24.7 | 52.4 | a | | 9.5 | 45.3 | 55.6 | |
| 8.5 | | 9.6 | 46.5 | B | 9.5 | 52.5 | 11.6 | | | 9.5 | 7 49.0 | 56.3 | a | | 9.4 | 28.3 | 59.6 | | | 8.8 | 51.0 | 32.7 | K |
| 9.5 | | 21.5 | 5.0 | B | 7.5 | 39 47.1 | 14.1 | K | | 9.3 | 9 11.2 | 25.6 | a | | 8.5 | 41.0 | 11.4 | K | | 8.8 | 56.0 | 49.8 | |
| 9.0 | 8 | 34.3 | 0.8 | | 9.1 | 40 31.7 | 16.4 | | | 9.5 | 30.3 | 39.1 | | | 9.5 | 55.0 | 9.1 | a | | 6.8 | 1 2.4 | 36.1 | K |
| 9.4 | 9 | 28.3 | 41.0 | a | 9.3 | 34.1 | 2.6 | Kb | | 9.5 | 38.7 | 43.9 | | | 9.1 | 55.5 | 24.0 | b | | 9.2 | 2 0.5 | 16.1 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 32.50 | 3.21 | | 10pr. | | 31.67 | 3.30 | | 10pr. | | 30.85 | 3.34 | | 10pr. | | 30.11 | 3.33 | | 10pr. | | 29.43 | 3.27 | |

2302 a

| 9.5 | 41 | 36.0 | 30.1 | b |
|---|---|---|---|---|

2601—2660

| m | 13ª | +25° | |
|---|---|---|---|
| 9.3 | 2′ 22.8 | 39.4 | |
| 8.9 | 24.3 | 5.2 | |
| 9.1 | 30.1 | 33.4 | Bb |
| 9.3 | 3 8.1 | 22.9 | K |
| 9.5 | 20.0 | 8.7 | |
| 9.5 | 4 25.2 | 4.2 | B |
| 9.0 | 31.5 | 30.2 | K |
| 9.2 | 42.4 | 57.0 | |
| 9.1 | 54.0 | 27.4 | a |
| 6.5 | 5 8.3 | 1.9 | L |
| 8.8 | 9.0 | 22.3 | K |
| 9.5 | 47.9 | 57.7 | |
| 9.5 | 6 5.4 | 41.4 | |
| 9.5 | 7 41.0 | 12.1 | |
| 9.3 | 8 0.5 | 58.7 | Kb |
| 9.5 | 9 48.1 | 56.8 | |
| 9.5 | 10 40.3 | 11.7 | B |
| 9.5 | 11 20.0 | 37.4 | |
| 8.0 | 58.0 | 21.7 | K |
| 9.1 | 12 28.4 | 53.6 | K |
| 9.5 | 38.2 | 7.0 | |
| 9.5 | 13 32.9 | 6.0 | |
| 7.8 | 44.0 | 23.8 | K |
| 9.5 | 14 59.9 | 57.9 | |
| 6.8 | 15 6.4 | 39.2 | K |
| 9.0 | 25.5 | 2.9 | Kb |
| 8.9 | 38.0 | 12.1 | B |
| 9.5 | 16 22.8 | 59.7 | |
| 9.4 | 17 1.4 | 44.0 | |
| 9.0 | 44.2 | 22.8 | Kb |
| 9.3 | 46.0 | 29.0 | |
| 9.0 | 57.1 | 38.9 | |
| 9.0 | 18 57.6 | 12.3 | |
| 9.0 | 19 22.3 | 33.6 | K |
| 9.5 | 41.2 | 9.0 | B |
| 9.5 | 47.6 | 27.5 | |
| 8.5 | 20 36.2 | 4.1 | Kb |
| 8.7 | 40.6 | 46.3 | |
| 8.4 | 52.3 | 9.2 | K |
| 9.5 | 22 34.5 | 16.8 | B |
| 9.5 | 23 59.0 | 13.3 | |
| 9.4 | 24 30.5 | 18.0 | B |
| 6.0 | 25 56.2 | 6.7 | L |
| 9.1 | 26 11.0 | 3.6 | ab |
| 9.5 | 22.5 | 44.3 | |
| 9.5 | 27 5.3 | 35.4 | |
| 9.3 | 40.3 | 47.4 | |
| 9.1 | 40.6 | 38.8 | a |
| 8.5 | 28 20.0 | 32.2 | K |
| 9.5 | 27.6 | 19.9 | |
| 9.5 | 31.3 | 23.6 | |
| 6.0 | 30 9.4 | 21.0 | K |
| 9.5 | 10.3 | 33.2 | |
| 9.5 | 18.5 | 26.9 | |
| 8.9 | 32.9 | 49.1 | |
| 9.2 | 34.3 | 28.2 | B |
| 9.4 | 31 47.4 | 6.7 | |
| 9.0 | 32 58.0 | 15.3 | |
| 9.5 | 33 39.8 | 35.0 | |
| 9.4 | 34 11.0 | 24.0 | Bb |

| 10pr. | + 28.60 | — 3.15 |
|---|---|---|

2661—2720

| m | 13ª | +25° | |
|---|---|---|---|
| 9.4 | 34′ 36.5 | 4.1 | |
| 9.5 | 35 24.0 | 38.7 | |
| 9.5 | 30.6 | 57.7 | |
| 9.5 | 36 19.8 | 26.1 | |
| 9.3 | 23.0 | 37.3 | |
| 8.5 | 29.5 | 5.5 | Kb |
| 9.5 | 31.0 | 35.1 | |
| 9.5 | 39.1 | 2.3 | |
| 9.0 | 37.4 | 39.1 | K |
| 9.3 | 45.0 | 52.2 | |
| 9.5 | 53.9 | 52.3 | |
| 9.2 | 37 17.5 | 30.9 | a |
| 9.4 | 31.0 | 18.9 | |
| 9.1 | 38 6.7 | 22.0 | Kb |
| 9.5 | 39 2.6 | 39.9 | |
| 9.5 | 6.6 | 0.7 | B |
| 9.4 | 28.0 | 56.0 | |
| 9.5 | 40 20.2 | 4.9 | |
| 9.3 | 45.3 | 16.8 | |
| 8.8 | 41 52.5 | 54.1 | |
| 8.7 | 53.0 | 5.0 | K |
| 9.5 | 54.9 | 56.1 | |
| 9.3 | 42 39.4 | 0.7 | |
| 9.5 | 43 16.0 | 2.0 | |
| 9.4 | 44 0.0 | 57.7 | a |
| 9.2 | 7.9 | 30.4 | |
| 9.3 | 11.3 | 25.2 | B |
| 9.5 | 23.8 | 44.0 | |
| 7.5 | 31.8 | 24.9 | K |
| 9.5 | 51.0 | 0.7 | |
| 8.0 | 45 6.6 | 24.3 | K |
| 7.5 | 13.3 | 45.6 | K |
| 9.2 | 46.9 | 43.3 | K |
| 9.5 | 58.5 | 42.6 | B |
| 9.5 | 46 10.9 | 24.7 | |
| 8.7 | 36.4 | 40.1 | K |
| 9.2 | 47 38.5 | 56.1 | B |
| 8.7 | 42.6 | 55.3 | L |
| 9.2 | 53.6 | 10.9 | K |
| 9.5 | 48 11.7 | 41.6 | |
| 9.5 | 49 13.3 | 29.8 | |
| 8.5 | 17.3 | 13.5 | K |
| 9.2 | 36.4 | 19.9 | a |
| 9.5 | 50 5.5 | 10.9 | |
| 9.4 | 19.5 | 48.7 | a |
| 9.1 | 21.2 | 38.0 | a |
| 9.1 | 24.9 | 23.1 | ab |
| 8.0 | 48.7 | 43.6 | K |
| 8.9 | 51 13.2 | 38.1 | B |
| 9.4 | 33.8 | 15.4 | |
| 9.5 | 52 10.0 | 36.7 | |
| 6.8 | 13.2 | 24.6 | L |
| 7.5 | 44.5 | 0.3 | Kb |
| 8.9 | 45.6 | 28.1 | L |
| 9.2 | 53 3.3 | 55.7 | a |
| 9.3 | 12.2 | 32.2 | a |
| 9.3 | 13.6 | 41.2 | |
| 9.5 | 50.3 | 55.1 | B |
| 9.3 | 55 26.1 | 3.7 | |
| 9.5 | 32.3 | 50.1 | |

| 10pr. | + 27.90 | — 3.00 |
|---|---|---|

2721—2780

| m | 13ª—14ª | +25° | |
|---|---|---|---|
| 9.5 | 56′ 4.8 | 9.9 | |
| 7.3 | 12.0 | 16.0 | K |
| 7.5 | 36.8 | 18.1 | K |
| 9.5 | 45.0 | 2.2 | |
| 9.5 | 59 13.1 | 3.8 | |
| 9.4 | 16.1 | 48.8 | B |
| 9.4 | 49.8 | 43.3 | |
| 9.0 | 55.0 | 24.2 | |
| 9.4 | 0 13.5 | 7.7 | |
| 9.5 | 15.0 | 51.7 | |
| 9.3 | 38.4 | 48.0 | |
| 8.7 | 1 12.3 | 25.0 | K |
| 6.2 | 38.5 | 0.2 | Kb |
| 9.5 | 46.1 | 14.2 | B |
| 9.5 | 55.3 | 27.8 | |
| 9.5 | 2 10.2 | 56.2 | |
| 4.8 | 3 47.7 | 47.2 | K |
| 9.5 | 56.4 | 1.0 | |
| 8.9 | 4 35.8 | 14.3 | |
| 9.0 | 6 5.4 | 22.3 | K |
| 8.8 | 10.4 | 12.9 | |
| 8.8 | 16.5 | 57.5 | B |
| 9.3 | 54.5 | 14.0 | |
| 8.0 | 7 5.3 | 28.2 | Kb |
| 9.3 | 49.6 | 56.7 | |
| 8.9 | 8 6.0 | 27.5 | |
| 9.0 | 18.5 | 41.3 | |
| 9.4 | 19.1 | 50.7 | B |
| 9.4 | 26.0 | 21.1 | B |
| 9.5 | 9 28.1 | 0.2 | |
| 9.4 | 10 6.3 | 59.2 | |
| 9.0 | 24.9 | 9.2 | |
| 9.4 | 35.9 | 20.9 | |
| 9.2 | 46.8 | 59.5 | |
| 9.4 | 11 5.6 | 9.0 | a |
| 9.3 | 35.0 | 54.1 | |
| 8.6 | 12 2.8 | 57.9 | K |
| 9.4 | 13 3.9 | 38.9 | |
| 8.0 | 57.4 | 24.7 | K |
| 9.5 | 14 5.9 | 47.2 | |
| 9.0 | 13.0 | 34.6 | B |
| 9.4 | 24.8 | 58.6 | |
| 9.2 | 30.6 | 58.3 | Bb |
| 9.5 | 15 50.3 | 19.2 | |
| 9.0 | 16 7.7 | 52.7 | B |
| 8.8 | 12.3 | 29.2 | B |
| 9.4 | 18.8 | 58.5 | |
| 9.2 | 29.5 | 56.2 | |
| 9.3 | 34.3 | 25.2 | |
| 6.1 | 37.6 | 59.6 | K |
| 9.2 | 48.5 | 48.9 | |
| 9.4 | 17 13.2 | 32.8 | |
| 8.7 | 20.1 | 12.2 | K |
| 8.7 | 22.3 | 53.1 | L |
| 9.0 | 57.5 | 24.5 | K |
| 9.1 | 18 16.1 | 16.2 | |
| 9.3 | 19 15.6 | 9.6 | |
| 9.4 | 21 6.3 | 51.8 | |
| 9.5 | 24.3 | 12.7 | |
| 9.1 | 28.5 | 36.3 | Bb |

| 10pr. | + 27.29 | — 2.82 |
|---|---|---|

2781—2840

| m | 14ª | +25° | |
|---|---|---|---|
| 9.5 | 21′ 39.7 | 18.0 | |
| 8.0 | 47.0 | 10.7 | K |
| 9.5 | 22 48.5 | 31.4 | |
| 9.0 | 23 10.4 | 59.3 | |
| 9.5 | 45.6 | 27.0 | |
| 8.3 | 59.5 | 45.3 | K |
| 9.5 | 24 36.1 | 37.4 | |
| 9.4 | 36.8 | 18.1 | |
| 9.1 | 42.6 | 7.7 | a |
| 9.0 | 45.1 | 10.3 | |
| 9.4 | 48.2 | 42.8 | B |
| 9.0 | 56.9 | 6.6 | |
| 9.5 | 26 23.0 | 33.9 | |
| 9.4 | 26.7 | 41.1 | B |
| 9.4 | 27 8.6 | 54.0 | |
| 8.1 | 50.3 | 1.2 | K |
| 8.1 | 56.2 | 1.6 | K |
| 9.4 | 28 15.1 | 54.7 | |
| 9.0 | 16.7 | 4.8 | K |
| 9.1 | 44.0 | 16.9 | K |
| 9.4 | 29 21.6 | 46.3 | B |
| 8.0 | 22.7 | 32.4 | K |
| 9.3 | 33.2 | 20.1 | B |
| 7.5 | 30 24.6 | 5.9 | Kb |
| 9.5 | 31 32.1 | 9.6 | |
| 8.5 | 49.0 | 47.0 | K |
| 9.5 | 32 10.5 | 33.6 | B |
| 8.2 | 19.0 | 13.2 | K |
| 9.2 | 33 22.1 | 40.4 | |
| 9.1 | 33.0 | 18.7 | |
| 9.2 | 38.6 | 46.3 | b |
| 9.4 | 53.1 | 36.3 | |
| 9.5 | 34 26.8 | 23.5 | |
| 9.5 | 31.9 | 47.7 | |
| 9.5 | 35 16.8 | 41.4 | B |
| 7.5 | 16.9 | 9.3 | K |
| 8.8 | 51.6 | 9.3 | Lb |
| 9.5 | 56.5 | 49.8 | |
| 8.9 | 36 30.0 | 31.8 | |
| 8.8 | 36.3 | 1.4 | K |
| 8.8 | 51.0 | 37.0 | |
| 9.5 | 51.7 | 18.3 | |
| 9.4 | 37 4.4 | 21.1 | B |
| 9.5 | 44.6 | 42.5 | |
| 9.5 | 38 18.0 | 1.1 | |
| 8.4 | 19.0 | 22.2 | K |
| 9.4 | 26.6 | 45.6 | |
| 9.4 | 34.7 | 36.7 | |
| 8.2 | 39.5 | 19.3 | K |
| 9.4 | 40 12.1 | 23.1 | |
| 8.7 | 17.0 | 11.5 | K |
| 9.1 | 29.1 | 23.6 | |
| 9.3 | 30.6 | 34.6 | |
| 9.5 | 55.0 | 59.4 | |
| 8.5 | 41 28.4 | 3.2 | L |
| 9.5 | 48.1 | 26.9 | |
| 9.4 | 42 4.8 | 12.3 | B |
| 8.5 | 21.0 | 11.4 | |
| 6.8 | 51.5 | 45.9 | R |
| 9.5 | 43 13.6 | 46.0 | |

| 10pr. | + 26.76 | — 2.62 |
|---|---|---|

2841—2900

| m | 14ª—15ª | +25° | |
|---|---|---|---|
| 7.0 | 43′ 31.5 | 20.0 | K |
| 8.7 | 45 23.1 | 21.1 | K |
| 9.5 | 36.3 | 26.2 | |
| 9.3 | 53.0 | 5.5 | |
| 8.5 | 47 14.8 | 25.9 | Kb |
| 9.5 | 16.1 | 40.5 | |
| 9.5 | 48 28.6 | 35.2 | |
| 9.5 | 30.0 | 39.1 | a |
| 9.4 | 36.1 | 11.0 | |
| 8.0 | 49 47.2 | 40.4 | K |
| 8.5 | 50 31.5 | 23.6 | B |
| 9.5 | 33.6 | 28.7 | |
| 7.5 | 51 2.7 | 54.4 | K |
| 9.3 | 6.2 | 19.4 | B |
| 7.5 | 19.4 | 15.6 | K |
| 7.0 | 52 28.0 | 38.0 | K |
| 9.5 | 49.6 | 15.4 | |
| 9.5 | 56.2 | 13.5 | |
| 9.4 | 55 5.8 | 41.4 | B |
| 8.9 | 36.5 | 25.4 | |
| 4.7 | 46.4 | 35.1 | Kb |
| 9.4 | 56 23.4 | 10.3 | |
| 8.4 | 34.9 | 27.3 | K |
| 9.2 | 57 8.5 | 58.8 | L |
| 9.5 | 25.9 | 45.5 | |
| 9.5 | 58 25.4 | 19.2 | |
| 8.5 | 25.4 | 11.0 | K |
| 9.4 | 36.9 | 3.0 | a |
| 9.1 | 46.6 | 2.8 | K |
| 9.4 | 59 17.4 | 52.0 | a |
| 8.4 | 58.9 | 29.9 | K |
| 9.4 | 0 51.7 | 36.6 | |
| 4.8 | 56.4 | 26.8 | K |
| 9.2 | 1 12.4 | 28.6 | B |
| 9.4 | 2 7.7 | 59.3 | B |
| 6.3 | 17.9 | 39.9 | K |
| 7.3 | 3 7.4 | 12.8 | K |
| 9.3 | 59.9 | 34.8 | |
| 8.1 | 4 9.5 | 59.9 | K |
| 9.0 | 15.9 | 48.9 | Kb |
| 9.5 | 24.4 | 31.7 | |
| 9.5 | 5 7.9 | 48.5 | a |
| 9.5 | 58.9 | 41.3 | |
| 8.5 | 6 38.4 | 17.0 | K |
| 9.5 | 8 20.9 | 32.0 | |
| 9.5 | 43.3 | 41.7 | |
| 9.4 | 49.8 | 42.7 | B |
| 9.0 | 9 58.7 | 13.4 | B |
| 9.4 | 10 15.6 | 5.2 | a |
| 9.2 | 29.9 | 44.8 | a |
| 8.4 | 54.9 | 44.4 | K |
| 9.4 | 11 55.7 | 30.3 | |
| 9.4 | 12 1.8 | 8.0 | |
| 9.5 | 5.4 | 31.0 | a |
| 9.5 | 20.0 | 55.2 | |
| 8.0 | 43.6 | 42.7 | K |
| 8.3 | 46.4 | 25.9 | K |
| 9.4 | 51.9 | 30.3 | |
| 9.5 | 13 16.0 | 45.8 | a |
| 9.3 | 14 14.6 | 5.3 | a |

| 10pr. | + 26.22 | — 2.36 |
|---|---|---|

2684 a

| 9.6 | 43 41.8 | 4.4 | B |
|---|---|---|---|

**15ʰ—17ʰ** **+25°**

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ʰ | | +25° | | | 15ʰ | | +25° | | | 15ʰ—16ʰ | | +25° | | | 16ʰ | | +25° | | | 16ʰ—17ʰ | | +25° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.9 | 14′ | 46.7 | 12.6 | | 9.5 | 38′ | 29.9 | 18.2 | | 9.5 | 58′ | 39.2 | 35.3 | | 9.3 | 19′ | 53.5 | 21.6 | *a* | 9.2 | 43′ | 14.0 | 37.8 | K |
| 6.0 | | 50.4 | 29.5 | K | 9.3 | | 36.8 | 11.0 | B | 9.0 | | 43.3 | 37.8 | K | 8.7 | | 59.6 | 27.5 | K | 9.5 | | 15.3 | 3.5 | |
| 9.5 | 15 | 29.6 | 55.7 | *a* | 7.5 | | 46.4 | 9.7 | K | 9.0 | | 43.8 | 38.3 | K | 9.5 | 20 | 54.0 | 56.8 | | 9.5 | | 17.8 | 29.1 | |
| 7.7 | 16 | 0.6 | 46.1 | K | 9.4 | | 48.2 | 25.2 | B | 9.5 | | 54.3 | 52.6 | | 9.0 | 21 | 23.9 | 32.8 | Lb | 9.4 | | 30.0 | 59.1 | |
| 9.4 | 17 | 8.9 | 21.9 | *a* | 8.5 | 40 | 43.1 | 32.1 | K | 9.0 | 59 | 32.0 | 39.7 | K | 9.1 | | 47.0 | 24.8 | *a* | 8.8 | | 34.8 | 45.6 | K |
| 9.5 | | 13.9 | 33.2 | | 9.4 | 41 | 9.5 | 0.5 | *a* | 9.4 | | 35.8 | 43.5 | | 8.0 | | 54.8 | 30.9 | L | 9.5 | | 52.2 | 39.3 | |
| 9.5 | | 37.4 | 20.8 | | 9.5 | | 32.7 | 6.8 | B | 9.2 | | 45.9 | 12.9 | K | 8.4 | 22 | 19.6 | 49.9 | K | 8.9 | 44 | 39.2 | 32.9 | K |
| 8.0 | | 37.5 | 49.0 | K | 9.1 | 42 | 20.8 | 58.3 | *a* | 9.5 | | 51.8 | 28.5 | | 9.5 | | 45.0 | 58.6 | | 9.5 | 45 | 20.1 | 46.7 | |
| 9.5 | | 42.9 | 8.0 | | 9.5 | | 31.7 | 49.2 | | 9.4 | 0 | 2.0 | 18.6 | | 9.3 | | 47.5 | 30.5 | | 9.4 | | 49.9 | 26.0 | |
| 8.0 | | 44.6 | 34.1 | L | 9.5 | | 38.9 | 29.2 | | 9.5 | | 41.7 | 48.8 | | 9.2 | | 49.2 | 10.4 | Kb | 7.1 | | 50.3 | 38.7 | K |
| 9.5 | 18 | 51.8 | 27.0 | *a* | 9.3 | 43 | 5.9 | 45.4 | | 8.3 | 1 | 20.8 | 17.9 | K | 9.4 | 23 | 0.5 | 5.3 | *a* | 9.5 | 47 | 13.3 | 3.8 | |
| 7.3 | | 58.4 | 19.4 | K | 9.3 | | 23.6 | 40.0 | | 9.5 | | 44.0 | 50.0 | | 9.5 | 25 | 4.9 | 13.6 | | 9.5 | | 31.6 | 16.8 | B |
| 9.0 | 19 | 51.9 | 16.2 | L | 8.2 | | 25.0 | 54.1 | K | 9.5 | | 47.3 | 42.6 | | 8.8 | | 27.3 | 42.6 | | 9.5 | | 51.8 | 39.4 | |
| 9.3 | 20 | 27.8 | 24.9 | *a* | 9.4 | | 25.6 | 26.6 | *a* | 9.5 | | 49.9 | 17.6 | *a* | 7.7 | 26 | 18.1 | 9.0 | K | 9.5 | 48 | 3.4 | 10.3 | |
| 9.5 | 21 | 2.2 | 1.2 | | 9.5 | | 44.4 | 44.8 | | 9.5 | 2 | 18.1 | 11.3 | | 9.4 | | 42.3 | 58.8 | | 9.5 | | 5.3 | 25.2 | |
| 6.0 | | 26.4 | 35.9 | K | 8.3 | 44 | 17.0 | 0.0 | K | 8.4 | | 47.6 | 18.8 | Kb | 9.5 | | 55.5 | 4.1 | | 6.3 | 49 | 6.5 | 58.8 | Kb |
| 9.5 | | 35.9 | 13.5 | | 9.3 | | 28.3 | 13.1 | | 9.5 | 3 | 28.5 | 53.5 | | 7.7 | 27 | 19.6 | 59.7 | K | 8.8 | | 44.7 | 44.1 | K |
| 9.4 | | 48.7 | 25.0 | B | 8.4 | | 55.8 | 30.4 | | 9.5 | 4 | 2.2 | 6.5 | B | 8.3 | | 31.9 | 10.0 | K | 9.5 | 50 | 8.1 | 32.1 | |
| 9.5 | | 59.1 | 22.1 | B | 8.9 | 45 | 3.4 | 37.3 | | 7.1 | | 3.6 | 52.1 | K | 8.8 | | 44.7 | 39.2 | K | 9.1 | | 13.2 | 19.9 | *ab* |
| 9.5 | 22 | 8.0 | 22.1 | B | 8.8 | | 9.5 | 33.8 | | *9.5 | | 28.1 | 50.0 | *a* | 9.0 | | 45.8 | 4.1 | | 9.4 | | 48.8 | 54.6 | |
| 9.5 | | 28.9 | 54.3 | | 7.8 | | 22.7 | 45.1 | K | 9.4 | 5 | 5.9 | 5.0 | | 7.7 | 28 | 5.7 | 46.8 | K | 9.5 | | 51.0 | 30.6 | |
| 8.1 | | 40.0 | 49.4 | K | 9.3 | | 34.9 | 47.6 | | 8.5 | | 18.5 | 20.2 | K | 9.5 | | 25.4 | 51.9 | | 9.1 | | 58.1 | 10.4 | K |
| 9.4 | 23 | 1.4 | 33.8 | | 9.3 | | 39.4 | 23.9 | | 9.2 | | 19.6 | 1.1 | Bb | 9.2 | | 53.8 | 24.8 | K | 9.5 | 51 | 6.0 | 52.9 | |
| 9.5 | | 57.5 | 35.5 | | 9.5 | 46 | 6.3 | 7.7 | | 8.8 | | 23.2 | 48.2 | | 9.5 | 29 | 50.6 | 29.5 | | 9.5 | | 10.0 | 31.0 | B |
| 8.5 | 24 | 6.4 | 49.6 | K | 9.2 | | 21.1 | 37.5 | Kb | 9.5 | | 39.0 | 0.5 | B | 9.5 | | 58.0 | 45.0 | | 8.5 | | 16.3 | 24.3 | K |
| 9.3 | | 19.3 | 48.5 | | 9.5 | | 26.2 | 1.3 | | 9.0 | | 48.3 | 36.5 | K | 9.4 | 30 | 0.5 | 18.7 | | 6.3 | | 33.8 | 35.3 | Kb |
| 9.5 | 25 | 9.4 | 24.8 | | 9.5 | 47 | 30.0 | 2.5 | | 9.5 | 6 | 26.7 | 49.2 | | 9.0 | | 3.6 | 49.6 | | 9.2 | | 39.7 | 12.4 | *a* |
| 9.5 | | 46.4 | 11.9 | | 9.1 | 48 | 5.8 | 16.5 | *ab* | 9.3 | | 35.5 | 52.3 | *a* | 9.5 | | 42.1 | 39.2 | *a* | 8.9 | | 40.7 | 29.3 | K |
| 9.5 | 26 | 18.1 | 2.5 | | 9.5 | | 37.7 | 25.5 | | 9.5 | 7 | 16.7 | 28.0 | | 9.3 | 31 | 41.3 | 13.5 | | 9.3 | | 41.7 | 24.4 | B |
| 9.5 | 27 | 32.9 | 45.1 | | 9.0 | | 44.6 | 41.6 | | 9.5 | | 17.4 | 44.0 | | 8.6 | 32 | 18.6 | 42.3 | K | 9.2 | | 43.1 | 21.0 | *a* |
| 9.5 | 28 | 10.4 | 56.5 | | 8.8 | | 48.0 | 0.9 | K | 9.3 | | 25.0 | 36.2 | *a* | 9.3 | 33 | 22.8 | 49.4 | *a* | 9.5 | 52 | 6.5 | 32.7 | |
| 8.3 | | 36.5 | 28.6 | K | 9.3 | | 59.3 | 55.0 | | 9.4 | | 25.3 | 15.4 | | 9.4 | | 39.8 | 36.7 | | 9.2 | | 8.9 | 24.2 | K |
| 9.0 | | 36.9 | 18.0 | K | 9.5 | 49 | 21.3 | 13.8 | | 9.5 | | 47.2 | 57.9 | | 8.2 | 34 | 2.9 | 49.6 | K | 9.4 | | 15.1 | 59.0 | |
| 9.2 | | 59.2 | 48.5 | | 8.3 | 50 | 19.1 | 35.8 | K | 9.5 | | 48.6 | 15.2 | | 9.1 | | 41.9 | 18.7 | | 8.6 | | 15.2 | 34.2 | K |
| 9.5 | 29 | 7.0 | 0.6 | B | 9.5 | | 49.9 | 3.2 | B | 9.5 | 8 | 14.2 | 29.9 | | 6.0 | 35 | 0.0 | 8.1 | K | 8.6 | 53 | 8.7 | 10.0 | Kb |
| 8.8 | | 29.6 | 6.9 | K | 9.0 | | 59.2 | 39.0 | | 8.3 | 10 | 2.1 | 38.8 | K | 9.2 | | 39.5 | 38.3 | *a* | 9.3 | | 15.0 | 44.8 | |
| 8.9 | | 55.5 | 20.3 | | 8.5 | 51 | 11.5 | 1.6 | K | 8.6 | | 17.7 | 57.0 | K | 9.5 | | 43.1 | 25.0 | | 9.4 | | 40.9 | 3.9 | |
| 8.6 | | 56.5 | 45.4 | L | 9.5 | | 32.4 | 18.6 | | 9.5 | 11 | 11.0 | 41.7 | | 9.0 | 36 | 12.2 | 43.1 | K | 8.4 | 54 | 54.1 | 52.7 | B |
| 9.5 | 30 | 10.7 | 35.1 | | 9.5 | | 33.1 | 21.0 | | 9.5 | | 16.2 | 58.0 | | 9.0 | | 15.9 | 43.1 | K | 8.5 | 55 | 11.0 | 10.9 | K |
| 9.4 | | 24.0 | 9.4 | *a* | 8.7 | | 53.2 | 14.5 | K | 9.5 | | 43.1 | 15.7 | | 9.4 | | 31.5 | 23.6 | | 8.4 | | 42.0 | 51.0 | L |
| 9.5 | | 41.2 | 28.9 | *a* | 9.5 | 52 | 11.5 | 57.0 | | 9.5 | | 47.3 | 22.1 | | 9.5 | 37 | 13.8 | 47.3 | | 9.5 | | 45.8 | 41.6 | |
| 9.5 | 31 | 33.6 | 37.6 | *a* | *9.5 | | 24.2 | 42.3 | | 9.5 | 12 | 21.6 | 23.8 | | 8.2 | | 20.7 | 25.0 | B | 7.5 | 56 | 3.7 | 14.3 | K |
| 8.9 | | 55.8 | 38.2 | | 8.1 | | 39.3 | 59.5 | B | 9.4 | | 38.8 | 46.2 | B | 9.5 | | 51.2 | 2.5 | | 6.0 | | 21.8 | 43.5 | K |
| 8.9 | | 57.2 | 2.2 | Kb | 9.0 | | 44.4 | 37.2 | | 9.5 | | 58.3 | 49.3 | *a* | 9.4 | 38 | 5.9 | 15.4 | | 9.2 | | 26.2 | 55.4 | K |
| 9.5 | 32 | 26.8 | 56.1 | | 8.3 | | 49.1 | 2.0 | Kb | 9.5 | 13 | 11.7 | 42.2 | | 9.5 | 39 | 4.2 | 53.6 | | 9.2 | | 32.2 | 52.7 | *a* |
| 9.5 | 33 | 6.6 | 37.2 | | 9.0 | | 54.1 | 26.8 | | 9.5 | 14 | 17.3 | 25.0 | | 9.1 | | 15.5 | 27.9 | K | 8.6 | | 48.6 | 9.6 | K |
| 9.5 | | 7.2 | 4.6 | | 9.0 | | 55.3 | 16.6 | K | 9.5 | | 17.5 | 55.8 | | 9.4 | | 21.8 | 13.7 | | 8.5 | 57 | 1.0 | 51.7 | L |
| 9.4 | | 21.5 | 49.6 | *a* | 9.2 | 53 | 12.0 | 9.4 | *a* | 8.7 | | 46.4 | 18.3 | K | 9.3 | | 39.6 | 5.2 | K | 9.5 | | 1.3 | 45.7 | |
| 9.5 | | 34.2 | 26.5 | | 8.0 | | 23.8 | 51.1 | K | 9.5 | 15 | 17.6 | 22.4 | | 9.5 | | 56.1 | 29.1 | | 8.6 | | 3.7 | 35.0 | |
| 9.0 | 35 | 5.2 | 58.6 | L | 9.5 | | 55.1 | 28.6 | | 9.5 | | 59.3 | 50.7 | | 9.0 | 40 | 0.7 | 10.8 | K | 8.5 | | 10.8 | 3.0 | Kb |
| 9.5 | | 5.5 | 29.3 | *a* | 9.3 | | 55.1 | 8.9 | | 8.4 | 16 | 13.1 | 5.5 | K | 9.2 | | 34.5 | 27.7 | *a* | 9.3 | | 15.4 | 4.2 | |
| 9.5 | | 25.6 | 53.6 | | 9.1 | 54 | 34.5 | 48.6 | *ab* | 9.4 | | 24.2 | 26.0 | | 9.5 | | 46.0 | 7.4 | | 9.5 | 58 | 34.7 | 59.3 | B |
| 9.0 | | 32.3 | 29.7 | K | 9.5 | | 48.4 | 14.1 | | 9.0 | | 36.8 | 19.5 | L | 9.4 | | 47.6 | 31.1 | *a* | 9.5 | 59 | 9.7 | 17.7 | |
| 8.6 | 36 | 39.0 | 16.9 | L | 9.5 | | 58.6 | 15.1 | | 9.2 | 17 | 8.0 | 45.3 | *a* | 9.5 | | 53.3 | 57.2 | *a* | 8.6 | | 25.4 | 47.0 | |
| 8.9 | | 45.9 | 55.4 | | 9.5 | 55 | 47.2 | 21.5 | | 9.4 | | 35.6 | 48.8 | | 9.5 | 41 | 2.8 | 19.3 | | 9.0 | | 26.3 | 49.5 | |
| 9.0 | 37 | 23.7 | 6.6 | | 9.4 | 56 | 5.0 | 9.9 | | 9.2 | 18 | 10.0 | 33.6 | Bb | 8.3 | | 37.9 | 53.7 | K | 9.3 | | 38.5 | 6.7 | Kb |
| 8.0 | | 46.3 | 25.8 | K | 9.5 | | 45.4 | 45.5 | | 9.5 | | 55.0 | 49.9 | | 7.8 | 42 | 7.9 | 48.6 | K | 8.2 | | 46.5 | 42.4 | B |
| 8.9 | 38 | 2.2 | 8.7 | K | 9.5 | 57 | 32.2 | 6.0 | | 9.5 | 19 | 13.3 | 0.4 | B | 9.5 | | 35.8 | 18.6 | | 9.4 | 0 | 13.5 | 52.5 | |
| 8.9 | | 18.5 | 4.3 | K | 9.2 | | 34.2 | 45.8 | *a* | 7.8 | | 31.4 | 33.0 | K | 9.2 | | 38.4 | 30.7 | *a* | 9.0 | | 27.4 | 35.0 | |
| 9.3 | | 22.2 | 31.5 | *a* | 7.5 | 58 | 4.6 | 37.9 | Kb | 9.5 | | 53.4 | 53.8 | | 9.4 | 43 | 7.2 | 33.2 | B | 9.5 | 1 | 9.0 | 31.8 | *a* |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 25.70 | 2.06 | | 10pr. | | 25.36 | 1.81 | | 10pr. | | 25.10 | 1.57 | | 10pr. | | 24.80 | 1.24 | | 10pr. | | 24.62 | 0.98 | |

| 3002ª | | | |
|---|---|---|---|
| 9.5 | 52 | 35.3 | 30.6 |

| 3039ª | | | |
|---|---|---|---|
| var | 4 | 10 | 27.1 |

13

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ª | | +25° | | | 17ª | | +25° | | | 17ª | | +25° | | | 17ª—18ª | | +25° | | | 18ª | | +25° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.8 | 1 | 16.3 | 5.8 | Kb | 9.3 | 19 | 50.9 | 40.4 | | 9.4 | 34 | 40.3 | 3.0 | | 7.8 | 49 | 40.2 | 8.8 | K | 9.5 | 3 | 14.9 | 51.2 | |
| 9.4 | | 19.1 | 56.0 | a | 9.5 | | 59.6 | 16.7 | a | 8.7 | | 44.5 | 25.9 | L | 9.0 | | 40.4 | 18.0 | | 9.4 | 4 | 15.6 | 11.4 | |
| 9.3 | | 57.8 | 34.9 | K | 8.7 | 20 | 12.7 | 8.2 | K | 9.5 | | 51.7 | 55.2 | a | 9.1 | | 50.2 | 15.3 | K | 8.5 | | 20.9 | 5.4 | B |
| 9.5 | 2 | 20.7 | 35.3 | | 9.1 | | 15.5 | 45.1 | b | 9.0 | 35 | 17.0 | 14.3 | K | 9.1 | 50 | 8.4 | 9.1 | a | 9.4 | | 24.0 | 13.4 | |
| 9.2 | 3 | 32.7 | 53.9 | K | 9.5 | | 33.4 | 31.5 | | 9.5 | | 38.5 | 25.0 | | 8.4 | | 10.1 | 0.8 | K | 9.3 | | 29.7 | 20.8 | |
| 9.4 | 4 | 12.7 | 50.6 | B | 9.5 | | 58.0 | 59.1 | | 9.5 | | 56.7 | 11.5 | | 9.3 | | 29.5 | 27.0 | | 9.4 | | 32.5 | 2.7 | |
| 9.5 | | 36.4 | 46.0 | | 9.5 | | 59.9 | 20.6 | | 8.2 | 36 | 14.5 | 30.9 | K | 9.5 | | 43.4 | 54.7 | B | 9.0 | | 36.9 | 53.7 | |
| 9.4 | | 36.5 | 6.0 | | 9.4 | 21 | 3.5 | 48.3 | | 7.8 | | 36.5 | 52.6 | K | 9.3 | | 49.2 | 28.7 | a | 9.5 | | 41.0 | 41.7 | B |
| 9.5 | 5 | 16.4 | 27.7 | | 9.4 | | 29.9 | 14.7 | B | 9.3 | | 43.8 | 9.9 | | 9.0 | | 57.3 | 34.4 | | 9.3 | | 46.8 | 30.7 | |
| 9.5 | | 17.2 | 56.7 | | 9.5 | | 57.3 | 58.9 | | 9.3 | | 52.2 | 30.8 | B | 8.5 | | 58.7 | 14.4 | K | 9.3 | | 58.9 | 55.9 | |
| 9.5 | | 34.6 | 59.0 | | 9.5 | 22 | 37.7 | 45.2 | | 9.5 | 37 | 38.5 | 40.2 | | 9.0 | | 59.2 | 53.2 | | 9.5 | 5 | 21.5 | 4.5 | |
| 8.4 | 6 | 11.7 | 26.0 | K | 9.5 | | 51.9 | 24.0 | | 9.5 | 38 | 40.0 | 59.0 | | 9.0 | 51 | 25.7 | 12.6 | K | 8.3 | | 27.2 | 17.2 | K |
| 9.4 | | 26.4 | 39.1 | | 9.1 | 23 | 19.0 | 43.2 | b | 8.7 | | 48.0 | 4.8 | L | 9.2 | | 44.2 | 26.7 | K | 7.2 | | 38.8 | 31.7 | K |
| 9.5 | 7 | 7.4 | 29.1 | | 8.7 | | 41.9 | 4.5 | K | 9.5 | 39 | 19.0 | 59.4 | | 9.5 | | 56.0 | 9.6 | | 9.5 | | 42.9 | 58.3 | |
| 7.8 | | 11.8 | 10.1 | K | 8.7 | 24 | 1.3 | 11.8 | K | 9.0 | | 22.0 | 11.9 | | 9.5 | 52 | 44.1 | 50.1 | | 8.5 | | 51.3 | 20.8 | K |
| 9.5 | | 53.7 | 4.0 | | 9.5 | | 20.6 | 13.2 | | 9.5 | | 24.1 | 6.3 | | 8.3 | | 44.1 | 1.5 | L | 9.1 | 6 | 18.0 | 26.7 | a |
| 9.1 | 8 | 17.7 | 12.3 | | 9.5 | | 28.1 | 5.8 | | 9.2 | | 40.0 | 46.8 | | 9.5 | | 56.0 | 53.0 | | 9.5 | | 27.9 | 58.3 | |
| 9.1 | | 19.8 | 20.9 | | 9.5 | | 47.0 | 31.9 | | 9.5 | | 47.6 | 5.2 | | 9.5 | 53 | 28.5 | 14.9 | | 9.3 | | 28.3 | 6.4 | |
| 9.2 | | 35.6 | 8.7 | | 9.3 | 25 | 13.4 | 39.7 | a | 9.5 | 40 | 2.2 | 56.0 | | 8.8 | | 57.8 | 0.7 | | 9.4 | | 34.6 | 11.1 | |
| 9.5 | | 52.9 | 31.2 | | 9.4 | | 53.4 | 20.7 | B | 8.8 | | 26.5 | 32.0 | K | 9.4 | 54 | 0.6 | 33.9 | | 9.3 | | 56.5 | 3.4 | |
| 3.0 | 9 | 6.6 | 1.0 | K | 9.2 | 26 | 12.8 | 39.3 | K | 9.5 | | 28.7 | 59.7 | | 9.4 | | 13.5 | 55.1 | | 8.0 | 7 | 0.3 | 36.8 | B |
| 9.3 | | 14.0 | 11.1 | | 9.4 | | 22.9 | 6.7 | B | 9.0 | | 45.7 | 15.5 | K | 8.8 | | 46.0 | 54.6 | | 9.3 | | 1.3 | 23.5 | |
| 9.5 | | 37.4 | 11.9 | | 8.2 | | 36.0 | 50.8 | L | 9.2 | | 46.4 | 6.9 | | 9.3 | 55 | 21.8 | 58.5 | | 8.0 | | 11.6 | 15.2 | B |
| 9.2 | | 40.8 | 6.2 | K | 8.7 | | 39.8 | 40.0 | B | 7.0 | | 49.2 | 49.4 | K | 7.2 | | 41.0 | 29.8 | L | 8.3 | | 50.5 | 33.0 | B |
| 9.4 | | 48.0 | 59.0 | | 9.5 | | 40.7 | 7.7 | | 9.1 | 41 | 17.5 | 34.0 | K | 9.5 | | 42.5 | 3.8 | | 9.0 | 8 | 16.3 | 16.1 | |
| 9.0 | | 52.0 | 59.9 | B | 9.5 | | 56.3 | 31.8 | | 9.5 | | 32.0 | 17.7 | B | 9.5 | | 47.7 | 8.3 | | 9.2 | | 23.7 | 8.4 | |
| 9.4 | 10 | 5.2 | 25.9 | B | 9.1 | 27 | 4.9 | 15.5 | | 9.5 | | 51.0 | 38.9 | | 9.5 | | 48.2 | 18.8 | | 9.5 | | 44.1 | 42.2 | |
| 9.0 | | 8.1 | 44.8 | K | 9.5 | | 33.5 | 59.6 | B | 8.9 | | 59.7 | 28.9 | K | 9.2 | 56 | 3.0 | 5.9 | | 9.5 | | 50.8 | 8.6 | |
| 9.0 | | 34.7 | 35.3 | K | 9.3 | | 33.7 | 17.1 | a | 9.5 | 42 | 0.0 | 51.5 | | 9.0 | | 5.0 | 51.0 | | 9.5 | | 55.7 | 1.2 | |
| 9.5 | | 59.8 | 20.2 | | 9.1 | | 41.9 | 5.1 | K | 9.1 | | 20.5 | 26.5 | K | 8.8 | | 6.8 | 0.6 | K | 9.5 | 9 | 22.3 | 57.9 | B |
| 8.9 | 11 | 24.2 | 11.4 | | 9.3 | | 42.0 | 51.2 | | 9.3 | | 38.1 | 5.1 | K | 8.8 | | 24.7 | 38.4 | | 9.5 | | 30.5 | 54.4 | |
| 8.5 | | 25.8 | 33.1 | K | 9.2 | | 43.0 | 48.4 | | 9.5 | | 39.7 | 23.7 | a | 9.0 | | 25.2 | 47.3 | | 9.3 | | 36.3 | 10.4 | |
| 9.2 | | 48.8 | 18.4 | | 9.2 | | 43.1 | 18.9 | B | 5.7 | | 56.5 | 41.0 | Kb | 9.5 | | 45.4 | 55.6 | | 9.1 | | 42.0 | 18.3 | a |
| 9.5 | | 49.5 | 39.4 | | 9.4 | | 57.0 | 41.6 | | 9.1 | 43 | 2.6 | 14.2 | | 9.0 | 57 | 13.2 | 10.7 | | 9.4 | | 43.8 | 15.3 | ab |
| 9.5 | 12 | 3.3 | 5.9 | | 9.5 | 28 | 2.9 | 59.4 | B | 9.2 | | 37.4 | 46.7 | K | 8.5 | | 17.2 | 22.2 | K | 8.2 | | 54.0 | 44.7 | L |
| 9.3 | | 4.7 | 33.8 | K | 8.2 | | 13.3 | 31.0 | K | 9.5 | 44 | 17.7 | 47.4 | | 9.2 | | 47.8 | 59.2 | | 9.5 | 10 | 9.3 | 43.0 | |
| 9.1 | | 6.4 | 45.4 | B | 9.5 | | 30.3 | 26.6 | | 7.0 | | 21.6 | 20.1 | L | 9.5 | | 56.0 | 0.9 | | 9.5 | | 15.7 | 32.5 | |
| 9.5 | | 12.5 | 15.5 | B | 9.3 | | 34.5 | 33.7 | | 9.0 | | 27.3 | 7.9 | K | 9.4 | 58 | 0.8 | 58.3 | | 9.5 | | 51.1 | 39.8 | |
| 7.2 | | 36.4 | 57.4 | K | 9.5 | 29 | 2.4 | 59.8 | | 9.5 | 45 | 43.8 | 15.4 | | 9.3 | | 2.0 | 20.1 | B | 9.5 | 11 | 9.4 | 29.7 | |
| 9.4 | 13 | 16.7 | 26.7 | | 9.1 | | 18.5 | 26.2 | K | 8.9 | | 43.9 | 7.9 | K | 8.8 | | 16.1 | 20.5 | B | 9.3 | | 22.0 | 40.8 | |
| 9.5 | | 23.7 | 30.9 | | 8.8 | | 22.2 | 45.7 | K | 9.5 | | 46.8 | 34.2 | | 9.3 | | 18.5 | 7.8 | B | 8.5 | 12 | 24.7 | 15.9 | K |
| 9.2 | | 27.0 | 3.4 | | 9.1 | | 23.0 | 51.9 | | 9.2 | | 57.0 | 31.8 | | 9.0 | | 43.2 | 20.1 | K | 9.5 | | 32.4 | 53.3 | |
| 9.5 | | 32.9 | 20.5 | | 9.3 | | 29.5 | 34.1 | | 9.3 | 46 | 23.4 | 4.7 | | 9.0 | 59 | 20.4 | 51.8 | K | 9.5 | | 35.5 | 42.8 | a |
| 9.5 | | 45.0 | 35.0 | B | 9.1 | | 33.0 | 41.6 | | 7.8 | | 29.2 | 1.4 | K | 9.5 | | 22.3 | 59.6 | | 9.2 | | 48.0 | 53.8 | |
| 8.9 | 14 | 10.0 | 47.7 | K | 9.4 | | 35.5 | 59.5 | | 8.5 | | 40.5 | 37.0 | | 9.5 | | 38.2 | 25.1 | | 8.7 | | 51.6 | 23.2 | K |
| 6.0 | | 17.1 | 40.5 | K | 9.5 | 30 | 19.2 | 9.0 | | 9.4 | | 49.7 | 55.6 | | 8.5 | 0 | 5.4 | 33.9 | L | 9.2 | 13 | 1.5 | 15.3 | a |
| 9.5 | | 25.0 | 48.1 | | 9.2 | | 24.5 | 49.8 | K | 9.5 | 47 | 15.4 | 42.5 | | 8.1 | | 5.9 | 40.4 | K | 9.5 | | 24.4 | 52.6 | |
| 9.5 | | 49.7 | 9.5 | | 7.4 | | 32.0 | 42.6 | K | 7.9 | | 24.0 | 1.6 | B | 9.5 | | 20.0 | 22.0 | | 9.5 | | 29.2 | 20.0 | |
| 8.6 | 15 | 19.9 | 52.1 | K | 9.2 | | 58.1 | 8.5 | b | 9.3 | | 44.1 | 23.6 | B | 9.5 | | 25.9 | 11.8 | | 9.5 | | 33.0 | 55.1 | B |
| 8.9 | 16 | 9.0 | 34.2 | | 9.3 | 31 | 30.0 | 24.7 | K | 9.4 | | 48.6 | 27.6 | | 8.4 | | 29.0 | 20.3 | K | 9.5 | | 48.3 | 20.0 | |
| 9.5 | | 12.1 | 59.0 | | 9.4 | | 40.5 | 24.1 | a | 9.5 | | 56.4 | 16.4 | | 9.3 | | 33.9 | 46.7 | | 9.0 | | 51.8 | 43.2 | |
| 7.7 | | 31.0 | 1.6 | Kb | 9.5 | | 43.0 | 38.8 | a | 9.2 | 48 | 22.0 | 30.8 | | 9.5 | 1 | 3.5 | 54.9 | | 9.5 | 14 | 12.1 | 34.1 | |
| 9.3 | 17 | 13.5 | 33.1 | K | 8.2 | 32 | 32.4 | 36.2 | B | 9.4 | | 36.7 | 26.8 | | 9.3 | | 9.3 | 41.0 | | 8.2 | | 13.3 | 28.2 | K |
| 8.3 | | 15.0 | 54.1 | L | 9.0 | | 55.5 | 23.4 | K | 8.8 | | 39.3 | 28.0 | B | 9.5 | | 28.7 | 4.0 | | 9.5 | | 32.5 | 36.3 | |
| 9.5 | | 46.4 | 25.3 | | 8.5 | 33 | 23.0 | 24.7 | K | 8.5 | | 50.4 | 4.7 | K | 9.0 | | 32.0 | 21.2 | K | 9.5 | | 34.6 | 50.6 | |
| 9.5 | | 52.7 | 47.3 | | 8.7 | | 42.1 | 4.3 | Kb | 8.6 | | 59.7 | 39.4 | B | 9.5 | | 40.5 | 39.8 | | 9.5 | | 40.0 | 47.9 | |
| 9.5 | 18 | 6.4 | 41.5 | a | 9.5 | | 47.2 | 14.5 | | 9.5 | 49 | 6.8 | 10.8 | | 9.4 | | 45.8 | 25.0 | B | 9.4 | | 44.3 | 42.0 | |
| 9.4 | | 45.6 | 43.4 | B | 9.4 | 34 | 5.0 | 47.4 | B | 8.9 | | 16.8 | 47.3 | B | 8.0 | 2 | 14.3 | 10.2 | P | 9.5 | 15 | 0.9 | 17.5 | |
| 9.2 | 19 | 5.8 | 19.2 | | 8.7 | | 17.6 | 10.2 | K | 8.0 | | 30.1 | 17.4 | K | 9.4 | | 51.4 | 48.8 | | 9.4 | | 2.0 | 33.1 | |
| 9.0 | | 25.7 | 21.9 | | 9.4 | | 35.5 | 16.9 | | 9.1 | | 33.2 | 38.0 | a | 8.8 | | 59.0 | 15.1 | | 9.2 | | 29.5 | 37.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | + | |
| 10pr. | | 24.48 | 0.70 | | 10pr. | | 24.41 | 0.47 | | 10pr. | | 24.37 | 0.26 | | 10pr. | | 24.34 | 0.06 | | 10pr. | | 24.35 | 0.14 | |

### 3501—3560

| | 18ʰ | | +25° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.0 | 15′ | 39.3 | 59.3 | K |
| 9.4 | 16 | 13.9 | 57.8 | |
| 9.5 | | 36.7 | 37.8 | |
| 9.5 | | 54.8 | 16.8 | B |
| 9.5 | | 54.8 | 58.6 | B |
| 9.2 | 17 | 10.1 | 53.6 | |
| 9.2 | | 17.9 | 42.6 | |
| 9.3 | | 29.7 | 3.6 | |
| 8.5 | | 31.5 | 55.5 | L |
| 8.7 | | 41.3 | 29.4 | K |
| 9.5 | | 55.3 | 54.6 | |
| 9.2 | 18 | 3.0 | 19.0 | B |
| 9.5 | | 5.1 | 14.5 | |
| 9.3 | | 9.2 | 59.6 | |
| 8.8 | | 35.3 | 26.5 | K |
| 9.5 | | 46.0 | 7.0 | |
| 9.1 | | 59.2 | 30.7 | *a* |
| 9.2 | 19 | 23.7 | 32.4 | B |
| 9.4 | | 25.6 | 4.0 | B |
| 8.0 | | 36.9 | 55.3 | K |
| 9.0 | | 40.3 | 59.9 | K |
| 9.4 | 20 | 13.7 | 57.0 | *a* |
| 9.5 | | 14.2 | 28.5 | |
| 9.0 | | 22.9 | 8.4 | |
| 8.7 | | 23.3 | 51.1 | B |
| 9.5 | | 30.2 | 34.6 | B |
| 8.8 | | 52.0 | 53.7 | |
| 8.5 | 21 | 7.1 | 47.1 | |
| 8.9 | | 9.8 | 49.4 | |
| 9.0 | | 13.0 | 46.0 | |
| 9.5 | | 16.1 | 3.4 | |
| 9.2 | | 22.2 | 44.2 | |
| 9.1 | | 40.4 | 3.4 | *ab* |
| 9.4 | | 42.3 | 42.9 | |
| 8.5 | | 52.3 | 30.3 | R |
| 9.5 | 22 | 34.4 | 40.5 | |
| 9.1 | 23 | 7.9 | 23.2 | R |
| 8.9 | | 20.3 | 50.9 | Kb |
| 9.2 | | 39.6 | 9.4 | *a* |
| 8.7 | | 41.1 | 40.3 | L |
| 7.9 | | 43.5 | 57.8 | K |
| 9.0 | | 58.9 | 53.4 | K |
| 8.2 | 24 | 5.3 | 40.0 | L |
| 9.3 | | 10.3 | 8.9 | *a* |
| 9.0 | | 21.9 | 5.4 | |
| 9.4 | | 31.1 | 21.0 | |
| 9.0 | | 33.4 | 12.6 | |
| 9.4 | 25 | 5.0 | 0.2 | |
| 9.1 | | 7.3 | 2.7 | B |
| 9.2 | | 11.3 | 5.3 | |
| 8.2 | 25 | 13.5 | 3.5 | K |
| 9.5 | | 15.3 | 43.1 | |
| 9.1 | | 16.2 | 9.9 | *a* |
| 9.3 | | 22.2 | 37.3 | B |
| 9.3 | | 39.6 | 12.6 | |
| 9.3 | | 40.8 | 15.8 | |
| 9.0 | | 52.3 | 2.5 | K |
| 9.3 | | 52.9 | 33.4 | |
| 9.5 | 26 | 4.8 | 18.7 | |
| 8.8 | | 10.3 | 42.4 | |
| | | + | + | |
| 10pr. | | 24.37 | 0.31 | |

### 3561—3620

| | 18ʰ | | +25° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.3 | 26′ | 19.1 | 17.6 | B |
| 9.5 | | 35.3 | 7.4 | |
| 9.1 | | 37.2 | 38.1 | *a* |
| 7.5 | | 41.0 | 23.3 | K |
| 9.1 | | 49.2 | 54.2 | K |
| 9.1 | | 58.0 | 28.3 | *a* |
| 9.4 | 27 | 14.4 | 13.5 | |
| 9.2 | | 24.1 | 45.3 | |
| 9.2 | | 50.5 | 56.1 | K |
| 9.1 | 28 | 3.0 | 58.8 | K |
| 9.0 | | 15.5 | 7.7 | K |
| 9.5 | | 16.7 | 18.1 | |
| 9.5 | | 25.8 | 55.4 | |
| 9.3 | | 40.0 | 24.8 | *a* |
| 9.4 | | 54.3 | 8.2 | |
| 9.5 | 29 | 40.1 | 30.5 | |
| 9.3 | | 41.0 | 47.2 | |
| 8.1 | | 51.3 | 14.6 | L |
| 9.0 | 30 | 0.9 | 47.9 | |
| 9.5 | | 1.7 | 32.4 | |
| 8.4 | | 4.3 | 35.3 | L |
| 9.5 | | 49.6 | 35.9 | |
| *9.4 | 31 | 7.7 | 3.5 | |
| 9.5 | | 15.6 | 1.1 | *a* |
| 9.1 | | 31.2 | 0.1 | K |
| 9.4 | | 34.9 | 20.3 | |
| 9.4 | | 44.8 | 49.9 | |
| 9.4 | 32 | 4.1 | 9.1 | |
| 9.4 | | 22.6 | 2.8 | |
| 7.4 | | 30.3 | 8.4 | K |
| 9.2 | | 45.3 | 7.9 | Kb |
| 9.5 | 33 | 16.2 | 0.9 | |
| 9.4 | | 25.3 | 28.4 | *a* |
| 8.5 | | 44.1 | 45.0 | |
| 9.0 | | 58.3 | 27.3 | |
| 9.4 | 34 | 0.5 | 38.6 | |
| 9.5 | | 6.9 | 53.2 | |
| 9.5 | | 42.7 | 59.8 | B |
| 9.2 | | 53.0 | 18.6 | K |
| 9.5 | 35 | 23.3 | 51.2 | |
| 9.4 | | 56.4 | 52.1 | |
| 9.5 | | 57.6 | 6.9 | |
| 9.5 | 36 | 28.5 | 20.7 | *a* |
| 9.3 | | 29.7 | 50.5 | |
| 9.4 | | 32.6 | 29.0 | |
| 8.2 | | 51.8 | 38.0 | B |
| 8.8 | | 57.4 | 15.8 | |
| 8.5 | 37 | 10.1 | 18.8 | L |
| 9.1 | | 14.3 | 47.2 | *ab* |
| 9.1 | | 35.2 | 0.2 | K |
| 9.5 | | 55.9 | 29.1 | |
| 9.5 | | 59.4 | 40.5 | |
| 9.5 | 38 | 5.4 | 41.5 | |
| 8.3 | | 12.8 | 28.1 | K |
| 9.4 | | 16.6 | 47.7 | B |
| 9.3 | | 46.9 | 35.6 | |
| 9.3 | 39 | 5.7 | 38.4 | |
| 9.3 | | 7.7 | 35.6 | B |
| 9.4 | | 10.2 | 55 3 | |
| 9.5 | | 15.6 | 37.9 | |
| | | + | + | |
| 10pr. | | 24.41 | 0.48 | |

### 3621—3680

| | 18ʰ | | +25° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.4 | 39′ | 27.4 | 21.0 | *a* |
| 9.5 | | 48.1 | 25.2 | |
| 8.0 | 40 | 41.5 | 23.2 | K |
| 9.4 | | 43.0 | 55.1 | |
| 9.1 | 41 | 4.8 | 53.9 | Bb |
| 9.4 | | 5.2 | 44.2 | |
| 9.4 | | 17.5 | 54.9 | *a* |
| 9.4 | 42 | 20.8 | 16.6 | |
| 9.5 | | 25.2 | 2.5 | |
| 8.3 | | 26.3 | 53.2 | |
| 9.0 | | 27.0 | 34.6 | Kb |
| 9.3 | 43 | 16.3 | 42.3 | |
| 8.7 | | 34.8 | 24.8 | |
| 9.5 | | 42.4 | 5.8 | |
| 9.5 | 44 | 8.5 | 25.0 | |
| 9.4 | | 21.1 | 35.1 | |
| 9.4 | | 23.3 | 33.1 | |
| 9.3 | | 28.3 | 12.6 | |
| 9.5 | | 35.8 | 59.9 | B |
| 9.5 | | 57.2 | 11.6 | |
| 9.4 | | 57.8 | 59.8 | |
| 9.1 | 45 | 5.5 | 52.1 | *a* |
| 9.5 | | 37.6 | 0.2 | |
| 9.2 | | 43.4 | 32.1 | *b* |
| 9.5 | | 45.5 | 4.2 | |
| 9.2 | | 46.0 | 9.1 | K |
| 9.5 | | 55.8 | 37.3 | |
| 9.5 | 46 | 5.7 | 13.3 | |
| 9.3 | | 17.9 | 38.1 | |
| 7.7 | | 21.3 | 50.9 | L |
| 9.0 | | 38.7 | 50.5 | B |
| 9.2 | | 39.3 | 51.2 | *a* |
| 9.5 | 47 | 18.0 | 1.5 | |
| 7.7 | | 23.6 | 11.9 | K |
| 8.4 | | 30.5 | 42.3 | K |
| 9.1 | | 44.6 | 32.9 | B |
| 9.5 | | 55.5 | 29.4 | |
| 9.5 | 48 | 11.2 | 4.6 | |
| 9.5 | | 14.2 | 0.1 | |
| 9.5 | | 54.8 | 8.9 | |
| 9.4 | 49 | 21.0 | 6.9 | |
| 9.5 | | 22.8 | 50.9 | |
| 7.8 | | 46.7 | 30.4 | L |
| 9.4 | 50 | 20.4 | 40.7 | *a* |
| 9.4 | | 27.3 | 55.1 | |
| 9.4 | | 51.9 | 41.9 | B |
| 9.0 | | 55.7 | 55.6 | |
| 9.5 | 51 | 4.3 | 11.0 | |
| 9.4 | | 5.8 | 17.3 | |
| 8.8 | | 8.6 | 57.3 | B |
| 8.2 | | 9.8 | 48.7 | L |
| 7.5 | | 14.3 | 54.4 | L |
| 9.4 | | 17.4 | 13.7 | |
| 9.3 | | 18.6 | 9.9 | *a* |
| 9.0 | | 20.9 | 10.7 | B |
| 9.3 | | 29.4 | 56.0 | *a* |
| 9.4 | | 32.3 | 24.0 | |
| 9.4 | | 49.6 | 20.3 | |
| 9.4 | 52 | 7.1 | 42.3 | *a* |
| 9.5 | | 10.0 | 53.2 | |
| | | + | + | |
| 10pr. | | 24.47 | 0.67 | |

### 3681—3740

| | 18ʰ—19ʰ | | +25° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.2 | 52′ | 16.7 | 7.3 | *a* |
| 9.0 | | 17.3 | 9.8 | K |
| 7.9 | | 34.3 | 3.2 | Kb |
| 9.0 | | 36.2 | 41.6 | |
| 8.2 | | 38.5 | 51.9 | L |
| 9.5 | | 38.8 | 6.6 | |
| 8.5 | | 47.8 | 16.0 | |
| 9.5 | 53 | 8.3 | 37.6 | |
| 9.5 | | 9.0 | 23.3 | |
| 9.5 | | 25.9 | 28.4 | |
| 9.4 | | 34.5 | 9.9 | |
| 9.3 | 54 | 11.4 | 55.3 | |
| 9.3 | | 15.9 | 48.1 | B |
| 9.0 | | 23.0 | 36.3 | |
| 9.4 | | 44.7 | 56.6 | |
| 9.3 | | 48.3 | 26.5 | |
| 9.3 | | 52.1 | 13.4 | |
| 9.4 | 55 | 10.5 | 45.5 | |
| 9.5 | | 28.2 | 6.0 | |
| 9.5 | | 29.0 | 3.4 | |
| 9.4 | | 34.3 | 9.9 | |
| 9.5 | | 38.6 | 48.9 | *a* |
| 8.8 | | 58.5 | 33.1 | |
| 9.2 | 56 | 14.4 | 6.2 | B |
| 9.4 | | 22.5 | 10.7 | *a* |
| 9.5 | | 46.9 | 17.3 | |
| 9.5 | | 50.3 | 38.1 | |
| 8.3 | 57 | 13.2 | 4.8 | K |
| 8.9 | | 13.7 | 48.2 | S |
| 7.3 | | 22.5 | 36.8 | K |
| 8.0 | | 30.5 | 50.4 | K |
| 9.0 | | 52.8 | 49.4 | K |
| 8.8 | 58 | 14.2 | 13.9 | |
| 9.0 | | 41.4 | 28.2 | |
| 8.2 | | 47.4 | 33.6 | L |
| 9.5 | | 52.0 | 39.7 | |
| 7.6 | 59 | 7.3 | 37.3 | L |
| 9.5 | | 17.5 | 15.6 | |
| 7.5 | | 25.4 | 42.3 | L |
| 9.5 | | 43.1 | 4.6 | B |
| 9.5 | | 48.6 | 57.1 | |
| 9.5 | | 51.5 | 0.9 | |
| 9.2 | 0 | 8.3 | 42.5 | *a* |
| 9.0 | | 38.3 | 17.8 | K |
| 8.9 | 1 | 15.5 | 2.8 | |
| 8.5 | | 26 3 | 45.0 | K |
| 9.2 | | 28.2 | 0.2 | *a* |
| 9.2 | | 32.3 | 31.2 | *a* |
| 9.4 | | 33.6 | 26.5 | *a* |
| 9.0 | | 59.2 | 13.2 | |
| 9.4 | 2 | 1.5 | 59.1 | |
| 9.1 | | 3.7 | 11.7 | *a* |
| 7.0 | | 6.7 | 47.0 | K |
| 8.6 | | 10.2 | 48.1 | K |
| 7.5 | | 18.2 | 8.9 | Kb |
| 8.6 | | 21.7 | 41.8 | B |
| 7.8 | 3 | 14.0 | 5.5 | B |
| 9.5 | | 19.1 | 48.4 | |
| 9.3 | | 45.6 | 15.8 | *a* |
| 9.0 | | 58.8 | 40.9 | |
| | | + | + | |
| 10pr. | | 24.54 | 0.83 | |

### 3741—3800

| | 19ʰ | | +25° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 8.7 | 4′ | 17.7 | 49.9 | |
| 8.8 | | 22.6 | 16.0 | K |
| 9.5 | | 33.2 | 22.5 | *a* |
| 9.5 | | 55.5 | 30.7 | *a* |
| 8.2 | 5 | 3.7 | 9.0 | B |
| 9.5 | | 34.1 | 21.1 | |
| 9.2 | | 42.8 | 3.5 | *a* |
| 8.8 | 6 | 26.9 | 30.4 | |
| 9.3 | | 31.7 | 24.0 | *a* |
| 9.5 | | 41.3 | 45.2 | |
| 9.4 | | 42.5 | 2.3 | |
| *9.5 | 7 | 2.0 | 51.9 | |
| 9.5 | | 27.7 | 5.4 | |
| 9.2 | | 38.1 | 0.6 | *a* |
| 8.9 | | 44.1 | 58.1 | K |
| 9.3 | | 48.9 | 31.8 | |
| 6.9 | | 55.8 | 30.7 | L |
| 9.5 | 8 | 16.8 | 1.5 | *a* |
| 9.5 | | 30.3 | 40.5 | |
| 9.4 | | 46.3 | 39.1 | |
| 9.0 | | 51.9 | 32.7 | R |
| 8.9 | 9 | 3.0 | 0.2 | |
| 9.5 | | 8.7 | 42.9 | |
| 9.0 | | 22.6 | 12.2 | K |
| 9.1 | | 26.4 | 27.0 | *a* |
| 9.5 | | 29.1 | 56.4 | |
| 9.2 | | 34.4 | 30.4 | R |
| 8.8 | | 41.5 | 28.6 | |
| 9.3 | 10 | 4.3 | 43.7 | |
| 8.7 | | 18.2 | 45.5 | |
| 9.2 | | 34.1 | 12.3 | K |
| 8.9 | | 38.2 | 24.9 | K |
| 9.5 | | 38.2 | 58.0 | |
| 9.3 | | 51.7 | 49.8 | |
| 9.5 | | 51.8 | 34.4 | |
| 9.5 | 11 | 9.2 | 50.3 | |
| 9.5 | | 12.0 | 21.0 | |
| 8.9 | | 13.9 | 54.3 | K |
| 8.5 | | 46.5 | 35.5 | B |
| 8.0 | | 52.8 | 6.0 | Rb |
| 9.5 | | 57.7 | 52.9 | |
| 9.5 | | 59.3 | 15.1 | |
| 9.5 | 12 | 0.1 | 7.2 | |
| 8.7 | | 19.6 | 55.1 | |
| 8.9 | | 24.2 | 53.6 | |
| 7.2 | | 31.7 | 47.8 | L |
| 9.5 | | 34.2 | 53.1 | |
| 9.5 | | 45.4 | 20.1 | |
| 9.5 | | 57.5 | 25.6 | |
| 9.0 | 13 | 19.6 | 58.4 | |
| 9.1 | | 24.9 | 9.4 | *ab* |
| 9.5 | | 30.0 | 17.8 | |
| 9.4 | | 37.7 | 50.8 | |
| 9.5 | 14 | 3.2 | 45.1 | |
| 9.5 | | 27.1 | 13.7 | |
| 9.5 | | 29.1 | 14.5 | |
| 9.0 | | 36.9 | 3.5 | K |
| 9.4 | | 47.5 | 0.7 | |
| 9.5 | | 49.3 | 46.1 | |
| 9.4 | | 52.4 | 33.9 | |
| | | + | + | |
| 10pr. | | 24.64 | 1.02 | |

| | | | |
|---|---|---|---|
| 3582ᵃ var | 30 | 55 | 55.8 |

| | | | |
|---|---|---|---|
| 3752ᵃ var | 7 | 16 | 45.6 |

| 3801—3860 | | | | | 3861—3920 | | | | | 3921—3980 | | | | | 3981—4040 | | | | | 4041—4100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ʰ | | +25° | | | 19ʰ | | +25° | | | 19ʰ | | +25° | | | 19ʰ | | +25° | | | 19ʰ—20ʰ | | +25° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 14 | 54.7 | 47.9 | | 9.3 | 25 | 4.7 | 31.9 | | 9.2 | 34 | 42.9 | 15.8 | *a* | 9.3 | 42 | 53.7 | 27.9 | | 7.6 | 51 | 46.6 | 54.5 | K |
| 7.0 | 15 | 29.1 | 19.9 | K | 9.5 | | 53.4 | 53.3 | | 9.0 | | 43.9 | 10.0 | K | 9.5 | | 57.6 | 18.0 | *a* | 9.4 | | 50.8 | 45.5 | |
| 7.5 | | 40.0 | 18.0 | K | 9.4 | | 58.3 | 40.7 | | 9.5 | | 47.2 | 35.1 | B | 9.5 | 43 | 2.2 | 53.7 | | 9.5 | | 52.8 | 52.9 | |
| 9.5 | | 44.6 | 17.6 | | 6.6 | 26 | 4.4 | 17.3 | K | 9.5 | 35 | 14.9 | 54.6 | | 9.4 | | 9.5 | 18.9 | B | 9.0 | | 58.4 | 6.0 | |
| 8.8 | | 50.1 | 12.0 | K | 9.5 | | 14.3 | 15.4 | | 9.4 | 36 | 3.1 | 33.6 | | 9.2 | | 15.7 | 25.5 | | 9.2 | 52 | 3.9 | 55.0 | |
| 9.4 | | 59.9 | 30.7 | | 9.5 | | 21.0 | 15.8 | | 9.3 | | 6.4 | 58.5 | | 8.1 | | 19.0 | 8.7 | *B* | 9.2 | | 4.1 | 57.3 | *a* |
| 9.5 | 16 | 2.2 | 6.3 | | 9.4 | | 26.7 | 32.7 | | 9.5 | | 24.2 | 29.6 | | 8.9 | | 27.4 | 58.1 | | 9.5 | | 8.8 | 16.8 | |
| 8.9 | | 13.3 | 43.3 | | 8.8 | | 29.5 | 7.0 | K | 8.8 | | 32.5 | 49.5 | | 9.4 | | 35.3 | 15.2 | | 8.2 | | 25.1 | 46.0 | *B* |
| 9.3 | | 41.5 | 2.2 | | 9.5 | | 44.5 | 8.4 | | 9.4 | | 38.2 | 28.6 | | 9.4 | | 40.1 | 14.6 | | 9.3 | | 34.2 | 42.3 | |
| 8.6 | | 46.9 | 2.6 | R | 9.5 | | 44.7 | 7.5 | | 9.5 | | 53.0 | 54.4 | | 9.5 | | 41.0 | 23.9 | | 8.3 | | 59.4 | 36.1 | K |
| 5.5 | | 54.7 | 59.4 | Kb | 9.5 | | 59.8 | 21.5 | | 9.1 | 37 | 9.3 | 21.9 | *ab* | 9.1 | | 48.9 | 51.3 | *b* | 8.3 | 53 | 0.8 | 20.0 | |
| 9.2 | | 55.7 | 11.6 | K | 8.9 | 27 | 17.3 | 56.8 | | 9.5 | | 30.1 | 10.4 | | 9.5 | | 52.9 | 55.6 | | 9.4 | | 6.0 | 57.3 | B |
| 8.6 | 17 | 10.8 | 38.5 | | 9.0 | | 48.8 | 18.6 | K | 5.8 | | 41.2 | 25.5 | Lb | 9.5 | 44 | 13.7 | 28.6 | | 9.5 | | 11.2 | 59.6 | *a* |
| 9.2 | | 15.0 | 18.6 | *a* | 9.5 | | 50.6 | 39.7 | | 9.4 | | 53.0 | 34.8 | *a* | 9.4 | | 15.8 | 21.3 | *a* | 9.4 | | 16.7 | 45.0 | |
| 9.5 | | 50.6 | 51.8 | | 6.5 | 28 | 2.0 | 44.6 | K | 9.5 | | 54.3 | 18.2 | | 9.2 | | 25.4 | 53.3 | | 8.3 | | 20.8 | 17.8 | K |
| 9.5 | | 50.7 | 27.0 | | 7.0 | | 2.7 | 29.6 | K | 9.5 | | 55.0 | 51.2 | | 9.4 | | 43.5 | 7.7 | | 9.5 | | 39.7 | 23.0 | |
| 9.5 | | 55.4 | 58.4 | | 7.3 | | 11.9 | 2.2 | Lb | 9.5 | 38 | 0.2 | 22.5 | | 9.5 | | 57.8 | 12.4 | | 9.3 | | 55.2 | 35.9 | |
| 9.3 | 18 | 13.9 | 14.8 | | 9.4 | | 14.0 | 48.8 | | 9.4 | | 13.3 | 22.4 | | 9.4 | 45 | 0.6 | 34.9 | | 7.0 | 54 | 2.5 | 33.2 | K |
| 9.5 | | 39.9 | 54.5 | | 8.6 | | 23.3 | 16.2 | K | 9.3 | | 20.5 | 6.1 | *a* | 9.5 | | 1.1 | 31.3 | | 9.1 | | 10.2 | 32.4 | B |
| 9.5 | | 56.2 | 26.0 | | 9.2 | | 48.2 | 32.9 | *a* | 8.7 | | 22.1 | 37.3 | | 9.5 | | 28.0 | 47.6 | | 6.4 | | 12.3 | 47.6 | K |
| 9.4 | | 56.7 | 55.8 | | 8.7 | | 50.5 | 43.2 | K | 9.5 | | 25.9 | 52.7 | | 7.4 | | 35.8 | 51.3 | K | 9.4 | | 14.5 | 32.6 | B |
| 8.4 | 19 | 14.4 | 11.3 | | 9.3 | | 51.6 | 19.9 | | 9.4 | | 56.6 | 38.0 | | 7.7 | | 43.9 | 52.1 | K | 9.0 | | 20.9 | 30.6 | K |
| 8.4 | | 17.0 | 25.5 | *B* | 8.4 | 29 | 8.2 | 43.3 | K | 9.4 | | 59.0 | 41.2 | | 9.0 | 46 | 16.0 | 53.6 | | 9.5 | | 27.5 | 17.8 | |
| 8.1 | | 26.2 | 25.7 | B | 8.2 | | 11.0 | 41.2 | K | 8.7 | 39 | 14.6 | 33.7 | K | 7.4 | | 18.2 | 29.4 | *B* | 9.4 | | 51.1 | 34.8 | *a* |
| 9.4 | | 35.7 | 11.9 | *a* | 9.0 | | 24.1 | 59.6 | K | 9.5 | | 15.0 | 6.6 | *a* | 9.2 | | 19.5 | 21.6 | | 9.4 | | 57.3 | 1.4 | |
| 8.8 | | 39.0 | 0.5 | | 9.5 | | 27.9 | 57.7 | | 8.9 | | 21.0 | 23.9 | K | 8.5 | | 20.1 | 35.5 | | 9.5 | 55 | 2.5 | 27.4 | |
| 7.5 | | 42.2 | 49.1 | L | 9.3 | | 33.7 | 4.1 | | 9.0 | | 21.1 | 38.4 | | 9.3 | | 24.7 | 27.0 | | 8.7 | | 10.6 | 17.3 | K |
| 9.5 | | 45.5 | 43.3 | | 9.2 | | 44.3 | 22.5 | *a* | 9.1 | | 22.9 | 9.6 | K | 9.5 | | 35.3 | 17.4 | | 9.5 | | 13.4 | 49.9 | |
| 9.5 | | 48.2 | 12.7 | | 7.5 | | 47.7 | 29.8 | K | 9.2 | | 24.7 | 33.6 | *a* | 9.5 | 47 | 1.6 | 31.6 | | 9.3 | | 14.1 | 20.3 | B |
| 9.5 | | 52.7 | 29.2 | | 9.5 | | 55.5 | 15.5 | | 9.2 | | 29.6 | 40.6 | *a* | [illegible] | | 6.5 | 49.3 | | 9.5 | | 23.8 | 41.2 | |
| 9.1 | 20 | 2.5 | 43.9 | *a* | 8.3 | 30 | 1.2 | 13.7 | K | 9.4 | | 38.4 | 47.1 | | 8.9 | | 12.0 | 49.0 | | 9.1 | | 27.5 | 27.7 | *a* |
| 9.5 | | 12.6 | 52.3 | | 9.5 | | 47.0 | 4.0 | | 9.4 | | 39.0 | 0.7 | *a* | 9.5 | | 20.3 | 41.1 | | 9.5 | 56 | 1.8 | 41.7 | |
| 8.4 | | 30.3 | 18.7 | | 8.6 | 31 | 9.2 | 6.4 | K | 9.4 | | 40.6 | 34.8 | | 9.1 | | 24.6 | 37.2 | K | 9.5 | | 2.0 | 58.9 | |
| 8.4 | | 35.4 | 12.3 | K | 9.5 | | 11.8 | 59.2 | | 9.5 | | 55.7 | 23.8 | *a* | 9.0 | | 25.8 | 20.8 | K | 9.4 | | 8.0 | 13.7 | B |
| 9.3 | | 47.8 | 57.6 | | 8.2 | | 17.2 | 49.6 | | 9.4 | 40 | 9.5 | 47.5 | | 9.0 | | 26.3 | 18.0 | | 9.5 | | 40.6 | 54.8 | *a* |
| 9.4 | | 59.4 | 49.0 | | 8.0 | | 21.8 | 13.8 | K | 9.5 | | 15.8 | 47.1 | | 9.4 | | 41.7 | 27.2 | | 9.4 | | 42.2 | 43.0 | |
| 9.4 | 21 | 2.5 | 18.6 | | 9.5 | | 41.1 | 9.0 | | 9.5 | | 23.4 | 15.9 | | 9.5 | 48 | 16.3 | 21.5 | | 9.4 | | 42.4 | 55.8 | B |
| 9.2 | | 9.2 | 2.0 | Rb | 9.0 | | 52.2 | 28.3 | R | 8.9 | | 26.8 | 31.0 | K | 8.6 | | 19.9 | 53.7 | | 9.5 | | 48.5 | 5.4 | |
| 9.2 | | 19.3 | 20.5 | *a* | 9.5 | | 54.4 | 14.3 | | 9.5 | | 28.8 | 27.6 | | 8.8 | | 28.4 | 51.1 | | 9.1 | | 57.1 | 54.6 | K |
| 9.5 | | 19.8 | 44.6 | | 7.5 | | 57.0 | 41.3 | K | 9.5 | | 33.9 | 52.9 | | 8.1 | | 52.8 | 40.6 | K | 9.4 | 57 | 0.2 | 58.5 | |
| 9.5 | | 20.6 | 27.7 | | 9.2 | | 58.3 | 36.1 | | 8.9 | | 35.5 | 42.7 | K | 9.4 | 49 | 11.2 | 22.0 | | 9.4 | | 0.8 | 51.7 | *a* |
| 9.5 | | 32.9 | 52.3 | | 9.4 | 32 | 20.3 | 22.1 | | 9.4 | | 40.9 | 52.1 | | 9.5 | | 13.6 | 38.9 | | 9.5 | | 45.7 | 23.2 | |
| 8.5 | | 46.6 | 54.7 | K | 7.7 | | 30.1 | 39.1 | K | 9.2 | | 43.4 | 48.5 | | 9.2 | | 24.8 | 59.3 | *a* | 8.8 | | 57.7 | 52.1 | |
| 9.3 | | 47.5 | 14.4 | | 9.4 | | 40.0 | 1.2 | | 9.5 | 41 | 4.8 | 42.2 | | 9.0 | | 33.0 | 40.8 | K | 9.5 | 58 | 1.6 | 2.2 | *a* |
| 9.5 | 22 | 13.4 | 8.2 | | 9.5 | | 53.1 | 39.8 | | 9.5 | | 7.3 | 12.5 | | 9.2 | | 35.9 | 14.8 | *a* | 8.0 | | 5.7 | 23.2 | L |
| 9.5 | | 45.2 | 53.8 | | 9.4 | | 54.4 | 19.5 | | 9.5 | | 7.7 | 9.3 | | 9.0 | | 36.6 | 15.2 | | 9.5 | | 22.4 | 59.3 | |
| 9.5 | | 45.7 | 32.1 | | 9.2 | 33 | 12.4 | 56.9 | *a* | 9.5 | | 27.9 | 10.4 | *a* | 9.5 | | 51.0 | 45.7 | | 9.5 | | 25.8 | 41.3 | |
| 9.5 | | 52.4 | 8.4 | | 9.5 | | 13.2 | 38.0 | | 8.4 | | 37.3 | 55.6 | K | 9.5 | | 58.7 | 32.1 | | 9.2 | | 30.1 | 55.3 | |
| 9.4 | | 57.9 | 28.3 | | 8.9 | | 23.5 | 45.0 | | 9.5 | | 38.6 | 40.7 | | 9.5 | 50 | 12.0 | 58.6 | | 9.4 | | 44.2 | 31.5 | B |
| 9.4 | 23 | 29.8 | 56.3 | *a* | 9.5 | | 33.4 | 3.9 | | 9.4 | | 40.0 | 8.4 | | 9.5 | | 14.2 | 33.9 | | 7.8 | | 49.9 | 39.5 | L |
| 9.5 | | 38.1 | 6.2 | | 9.4 | | 42.1 | 53.9 | *a* | 9.4 | | 40.0 | 7.3 | | 9.4 | | 32.6 | 37.2 | | 9.5 | | 54.5 | 2.6 | |
| 9.5 | | 41.6 | 42.5 | | 9.3 | | 45.7 | 4.6 | | 6.2 | | 44.1 | 1.5 | K | 9.0 | | 54.0 | 50.1 | K | 9.2 | | 55.5 | 27.4 | *a* |
| 9.4 | | 48.7 | 28.7 | | 8.6 | | 48.4 | 11.1 | K | 9.4 | | 47.2 | 27.5 | | 9.5 | 51 | 0.1 | 9.0 | | 8.4 | 59 | 6.8 | 2.9 | K |
| 9.4 | | 51.8 | 5.5 | | 8.9 | 34 | 10.3 | 51.5 | | 9.5 | 42 | 10.5 | 43.4 | | 7.9 | | 7.7 | 6.2 | K | 9.5 | | 11.5 | 27.5 | |
| 8.5 | 24 | 3.1 | 41.8 | K | 8.9 | | 16.0 | 3.6 | Kb | 9.5 | | 12.0 | 12.7 | | 9.5 | | 8.8 | 19.9 | | 9.4 | | 15.3 | 2.4 | B |
| 9.5 | | 5.5 | 43.5 | | 9.5 | | 22.4 | 15.5 | | 9.4 | | 32.3 | 22.6 | *a* | 8.7 | | 14.5 | 42.7 | K | 9.5 | | 23.0 | 0.0 | |
| 9.4 | | 22.7 | 23.9 | | 7.7 | | 27.5 | 59.1 | K | 9.1 | | 32.9 | 35.2 | K | 9.5 | | 28.4 | 46.8 | | 7.8 | | 43.9 | 11.1 | K |
| 9.5 | | 40.3 | 19.3 | | 9.1 | | 27.5 | 18.8 | R | 9.1 | | 40.7 | 27.0 | *ab* | 9.5 | | 43.2 | 28.5 | | 9.5 | | 57.5 | 28.4 | |
| 9.5 | | 48.5 | 25.1 | | 9.2 | | 36.5 | 44.3 | *a* | 9.4 | | 43.6 | 35.8 | *a* | 9.4 | | 44.4 | 32.5 | | 8.2 | 0 | 4.2 | 2.8 | K |
| 9.4 | | 58.6 | 31.3 | | 9.5 | | 39.7 | 3.1 | | 9.5 | | 50.8 | 7.6 | *a* | 7.9 | | 45.6 | 59.3 | K | 9.5 | | 4.5 | 47.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *24.73* | *1.14* | | *10 pr.* | | *24.83* | *1.28* | | *10 pr.* | | *24.94* | *1.40* | | *10 pr.* | | *25.03* | *1.50* | | *10 pr.* | | *25.14* | *1.61* | |

| m | 20s | +25° | |
|---|---|---|---|
| | 4101—4160 | | |
| 9.3 | 0′ 36.3 | 30.9 | |
| 9.2 | 37.3 | 50.7 | a |
| 8.5 | 39.6 | 16.4 | K |
| 9.4 | 50.3 | 12.6 | |
| 8.2 | 1 9.5 | 46.4 | K |
| 9.4 | 15.6 | 26.4 | |
| 9.4 | 21.2 | 33.4 | |
| 9.5 | 26.1 | 35.3 | a |
| 9.5 | 33.4 | 59.3 | |
| 9.5 | 54.2 | 43.5 | |
| 8.8 | 2 1.4 | 29.9 | |
| 9.2 | 5.9 | 27.3 | B |
| 8.1 | 14.2 | 55.9 | K |
| 9.1 | 17.8 | 3.2 | ab |
| 8.8 | 31.9 | 30.6 | |
| 7.8 | 38.3 | 51.6 | L |
| 9.5 | 43.6 | 59.2 | |
| 9.4 | 44.3 | 23.0 | |
| 9.5 | 3 11.0 | 53.2 | B |
| 9.4 | 14.5 | 40.3 | B |
| 9.0 | 17.3 | 46.9 | |
| 9.5 | 21.7 | 37.5 | B |
| 9.5 | 37.5 | 35.0 | |
| 7.8 | 48.6 | 6.9 | K |
| 9.5 | 53.0 | 17.5 | |
| 9.3 | 59.3 | 51.8 | a |
| 9.2 | 4 5.9 | 10.6 | K |
| 9.5 | 11.3 | 51.9 | |
| 9.4 | 17.0 | 27.2 | |
| 9.4 | 19.6 | 5.7 | B |
| 9.2 | 21.0 | 17.5 | a |
| 9.5 | 31.4 | 47.7 | B |
| 9.5 | 33 4 | 42.9 | B |
| 9.5 | 33.4 | 51.6 | |
| 9.4 | 34.5 | 18.1 | |
| 9.5 | 47.2 | 1.3 | |
| 9.4 | 49.9 | 13.1 | |
| 8.9 | 5 10.7 | 43.0 | K |
| 9.5 | 11.4 | 3.1 | |
| 8.8 | 15.6 | 1.4 | K |
| 9.0 | 19.2 | 59.2 | B |
| 9.4 | 25.1 | 54.1 | |
| 9.5 | 27.7 | 5.0 | |
| 9.0 | 27.8 | 57.6 | B |
| 9.0 | 48.7 | 59.0 | B |
| 9.0 | 49.1 | 56.5 | B |
| 9.4 | 50.4 | 28.4 | B |
| 9.5 | 6 13.4 | 38.8 | |
| 7.5 | 25.3 | 12.8 | K |
| 8.8 | 26.7 | 25.0 | |
| 9.0 | 32.8 | 22.3 | |
| 9.4 | 33.4 | 29.7 | |
| 9.5 | 7 2.6 | 6.9 | a |
| 8.8 | 7.2 | 5.2 | b |
| 9.5 | 31.3 | 3.0 | |
| 9.5 | 36.0 | 55.1 | B |
| 9.5 | 37.6 | 7.4 | |
| 9.0 | 41.7 | 13.8 | |
| 9.5 | 48.9 | 20.8 | a |
| 9.4 | 8 6.2 | 54.5 | B |
| 10pr. | + 25.26 | + 1.73 | |

| m | 20s | +25° | |
|---|---|---|---|
| | 4161—4220 | | |
| 9.4 | 8′ 37.0 | 38.0 | |
| 9.4 | 52.4 | 30.2 | B |
| 9.1 | 9 2.2 | 52.1 | a |
| 9.5 | 3.6 | 44.5 | |
| 5.2 | 7.3 | 9.0 | Bb |
| 9.3 | 14.7 | 15.1 | |
| 9.5 | 26.9 | 11.4 | |
| 9.4 | 30.4 | 9.3 | B |
| 9.0 | 32.6 | 26.7 | |
| 8.5 | 38.4 | 49.4 | |
| 9.5 | 47.3 | 28.8 | B |
| 9.3 | 10 14.3 | 0.4 | |
| 8.0 | 19.7 | 25.8 | B |
| 9.4 | 20.8 | 24.6 | |
| 9.5 | 28.5 | 47.4 | |
| 9.2 | 32.6 | 6.4 | a |
| 9.4 | 39.7 | 14.6 | |
| 8.5 | 48.2 | 56.5 | |
| 9.3 | 54.2 | 24.7 | |
| 8.7 | 57.6 | 45.0 | K |
| 9.4 | 57.7 | 15.1 | |
| 9.5 | 11 17.3 | 42.0 | |
| 9.4 | 21.8 | 58.7 | B |
| 8.3 | 28.6 | 55.8 | K |
| 9.5 | 49.9 | 39.8 | |
| 9.0 | 50.2 | 2.6 | |
| 9.4 | 50.3 | 0.4 | |
| 8.5 | 12 5.3 | 3.7 | K |
| 7.3 | 7.3 | 12.1 | aK |
| 8.4 | 11.9 | 9.9 | K |
| 9.5 | 38.6 | 15.4 | |
| 9.5 | 39.5 | 28.9 | |
| 8.2 | 59.1 | 39.4 | B |
| 9.0 | 13 3.6 | 26.7 | |
| 9.5 | 17.5 | 27.7 | |
| 9.4 | 14 16.8 | 13.4 | |
| 9.2 | 18.2 | 9.2 | B |
| 8.9 | 19.5 | 41.6 | |
| 9.5 | 20.4 | 9.6 | B |
| 9.3 | 25.3 | 6.0 | a |
| 9.4 | 31.6 | 45.2 | |
| 9.2 | 40.8 | 47.3 | a |
| 9.5 | 40.9 | 20.5 | |
| 9.3 | 43.7 | 42.1 | B |
| 9.0 | 56.9 | 10.4 | |
| 9.5 | 15 7.1 | 36.3 | |
| 9.4 | 22.6 | 54.6 | |
| 8.7 | 33.0 | 17.6 | |
| 9.1 | 44.1 | 16.5 | a |
| 9.3 | 51.3 | 11.9 | |
| 9.4 | 51.5 | 8.9 | |
| 8.1 | 16 1.7 | 52.6 | K |
| 9.4 | 16.8 | 42.2 | a |
| 9.2 | 21.5 | 27.7 | a |
| 7.3 | 25.4 | 49.9 | K |
| 9.4 | 44.5 | 57.3 | |
| 9.2 | 56.1 | 37.7 | B |
| 9.3 | 17 0.3 | 0.5 | a |
| 9.5 | 3.2 | 53.6 | |
| 9.2 | 6.4 | 29.9 | a |
| 10pr. | + 25.38 | + 1.83 | |

| m | 20s | +25° | |
|---|---|---|---|
| | 4221—4280 | | |
| 9.5 | 17′ 19.6 | 43.4 | |
| 9.0 | 21.3 | 23.0 | |
| 9.3 | 43.0 | 18.2 | B |
| 9.5 | 49.8 | 18.1 | B |
| 9.5 | 57.1 | 6.4 | |
| 8.2 | 18 26.6 | 26.9 | K |
| 9.4 | 36.7 | 23.7 | |
| 7.5 | 37.9 | 39.5 | K |
| 9.5 | 58.6 | 4.4 | B |
| 9.4 | 19 0.0 | 7.9 | |
| 8.3 | 2.7 | 14.6 | |
| 9.4 | 15.6 | 59.4 | |
| 8.4 | 33.5 | 47.2 | |
| 8.5 | 48.2 | 34.1 | K |
| 9.5 | 57.9 | 38.8 | |
| 9.5 | 20 9.8 | 22.2 | |
| 8.2 | 31.8 | 1.0 | Kb |
| 9.0 | 35.6 | 44.7 | |
| 8.9 | 46.7 | 3.9 | |
| 9.4 | 47.6 | 7.4 | a |
| 9.5 | 47.7 | 15.1 | |
| 8.7 | 58.4 | 10.2 | K |
| 9.5 | 21 0.1 | 36.1 | |
| 9.4 | 13.2 | 2.0 | a |
| 9.5 | 27.7 | 23.2 | |
| 9.5 | 31.8 | 12.9 | |
| 7.8 | 38.9 | 39.8 | B |
| 9.3 | 43.5 | 27.7 | |
| 9.5 | 44.2 | 1.9 | |
| 9.5 | 22 15.9 | 45.1 | |
| 9.3 | 22.6 | 25.7 | a |
| 9.3 | 42.5 | 27.4 | a |
| 9.3 | 53.7 | 13.8 | a |
| 9.0 | 23 3.8 | 12.6 | |
| 9.3 | 6.9 | 21.0 | a |
| 9.2 | 21.5 | 28.9 | a |
| 9.2 | 32.3 | 22.7 | a |
| 8.8 | 32.6 | 59.7 | |
| 9.5 | 36.0 | 11.4 | B |
| 8.9 | 40.4 | 55.7 | B |
| 9.3 | 41.5 | 28.9 | a |
| 8.9 | 42.0 | 54.9 | B |
| 9.3 | 52.6 | 34.8 | |
| 9.5 | 24 7.8 | 50.6 | |
| 8.8 | 35.6 | 17.1 | K |
| 8.9 | 45.4 | 30.1 | |
| 9.4 | 51.4 | 59.9 | a |
| 8.7 | 53.1 | 59.7 | K |
| 9.4 | 25 9.5 | 37.3 | |
| 8.9 | 15.6 | 5.9 | K |
| 9.0 | 24.2 | 56.7 | |
| 6.0 | 45.4 | 19.3 | L |
| 9.5 | 55.0 | 11.0 | B |
| 9.5 | 26 2.2 | 33.4 | |
| 9.5 | 30.4 | 19.3 | |
| 9.4 | 44.3 | 22.5 | |
| 8.9 | 52.7 | 4.7 | K |
| 9.4 | 27 7.6 | 7.7 | |
| 9.3 | 15.4 | 3.7 | |
| 8.4 | 25.4 | 20.7 | L |
| 10pr. | + 25.53 | + 1.95 | |

| m | 20s | +25° | |
|---|---|---|---|
| | 4281—4340 | | |
| 7.9 | 27′ 25.8 | 22.7 | L |
| 9.5 | 35.6 | 34.8 | |
| 9.4 | 44.8 | 31.4 | |
| 8.5 | 45.5 | 7.7 | K |
| 9.5 | 51.6 | 12.8 | |
| 9.5 | 52.0 | 19.2 | |
| 9.3 | 52.8 | 23.0 | B |
| 9.2 | 54.5 | 7.9 | Kb |
| 8.9 | 28 30.8 | 59.3 | |
| 9.4 | 34.8 | 42.0 | |
| 9.4 | 43.6 | 6.2 | R |
| 9.3 | 29 16.3 | 8.5 | B |
| 9.5 | 17.7 | 43.3 | |
| 9.2 | 20.4 | 4.5 | a |
| 9.5 | 22.0 | 12.4 | |
| 9.2 | 25.2 | 23.5 | a |
| 9.5 | 42.8 | 3.0 | |
| 9.5 | 53.8 | 11.6 | |
| 7.2 | 55.3 | 22.7 | K |
| 9.0 | 57.0 | 37.6 | |
| 8.8 | 30 18.1 | 54.1 | |
| 6.0 | 53.7 | 57.5 | Kb |
| 9.5 | 31 1.3 | 42.3 | |
| 8.9 | 7.2 | 52.7 | |
| 8.9 | 24.4 | 30.4 | K |
| 8.7 | 46.7 | 48.7 | K |
| 9.5 | 46.8 | 2.7 | |
| 8.7 | 32 7.2 | 5.2 | Kb |
| 9.5 | 9.8 | 4.0 | |
| 8.1 | 30.0 | 2.5 | K |
| 9.5 | 51.9 | 53.4 | |
| 7.3 | 33 8.7 | 33.9 | K |
| 9.5 | 9.4 | 23.6 | B |
| 9.5 | 10.5 | 9.2 | a |
| 9.2 | 13.6 | 23.3 | B |
| 8.7 | 28.0 | 47.9 | L |
| 9.4 | 37.8 | 22.0 | |
| 8.8 | 47.2 | 50.2 | B |
| 9.5 | 56.3 | 41.5 | a |
| 9.5 | 56.5 | 57.3 | |
| 9.5 | 57.9 | 50.6 | B |
| 9.5 | 58.6 | 25.7 | |
| 8.9 | 34 0.3 | 31.6 | K |
| 8.5 | 4.6 | 16.5 | K |
| 9.5 | 5.5 | 2.6 | |
| 9.4 | 9.9 | 3.7 | |
| 9.4 | 14.0 | 0.9 | B |
| 9.4 | 19.7 | 5.6 | |
| 7.0 | 28.2 | 34.0 | K |
| 9.5 | 31.7 | 43.4 | a |
| 9.5 | 46.6 | 26.9 | |
| 9.4 | 50.9 | 11.5 | |
| 9.1 | 35 4.6 | 36.6 | a |
| 9.1 | 6.9 | 39.0 | K |
| 9.5 | 17.7 | 24.9 | |
| 9.4 | 42.4 | 19.8 | |
| 9.4 | 43.4 | 29.7 | a |
| 9.0 | 36 1.8 | 50.6 | |
| 9.0 | 7.4 | 30.4 | |
| 9.1 | 11.8 | 31.6 | a |
| 10pr. | + 25.71 | + 2.06 | |

| m | 20s | +25° | |
|---|---|---|---|
| | 4341—4400 | | |
| 9.5 | 36′ 15.6 | 54.1 | |
| 9.1 | 21.0 | 46.4 | ab |
| 9.4 | 33.5 | 20.4 | B |
| 9.3 | 53.6 | 44.7 | a |
| 9.2 | 37 1.0 | 8.9 | a |
| 9.5 | 2.6 | 44.7 | a |
| 7.5 | 4.5 | 18.5 | L |
| 7.9 | 9.7 | 5.2 | L |
| 9.5 | 33.4 | 50.2 | |
| 8.9 | 34.1 | 16.8 | |
| 9.5 | 47.1 | 17.3 | |
| 9.1 | 57.6 | 6.2 | a |
| 9.0 | 38 1.3 | 22.5 | |
| 9.4 | 8.1 | 26.6 | B |
| 9.5 | 14.8 | 42.2 | |
| 9.5 | 23.1 | 54.4 | |
| 9.3 | 23.7 | 1.0 | a |
| 9.5 | 26.3 | 51.2 | |
| 9.5 | 29.0 | 37.9 | a |
| 9.3 | 33.9 | 20.0 | a |
| 8.8 | 50.6 | 7.2 | K |
| 9.1 | 51.2 | 2.0 | a |
| 9.0 | 56.6 | 26.7 | |
| 8.0 | 39 15.1 | 34.8 | K |
| 9.5 | 23.4 | 21.0 | a |
| 9.4 | 37.8 | 12.4 | |
| 9.3 | 49.9 | 11.6 | |
| 9.4 | 58.5 | 17.6 | |
| 9.2 | 59.8 | 0.5 | a |
| 9.5 | 40 25.8 | 11.9 | |
| 9.0 | 28.4 | 49.9 | |
| 9.5 | 31.0 | 37.3 | a |
| 9.4 | 41.2 | 33.8 | |
| 9.5 | 41 32.8 | 38.9 | B |
| 7.1 | 33.0 | 38.9 | L |
| 9.4 | 51.0 | 47.2 | S |
| 9.5 | 56.9 | 49.6 | a |
| 8.0 | 42 0.3 | 51.9 | K |
| 9.1 | 7.0 | 4.8 | a |
| 9.4 | 8.0 | 46.5 | B |
| 9.3 | 17.8 | 5.0 | a |
| 9.5 | 32.5 | 49.0 | |
| 8.3 | 42.6 | 8.0 | K |
| 8.1 | 48.1 | 8.0 | K |
| 9.4 | 43 0.0 | 57.4 | a |
| 9.2 | 25.6 | 7.5 | a |
| 7.7 | 28.7 | 13.9 | K |
| 9.4 | 32.2 | 2.9 | |
| 9.5 | 37.1 | 1.2 | |
| 9.3 | 45.3 | 36.1 | a |
| 8.2 | 47.6 | 31.9 | L |
| 9.4 | 44 23.0 | 47.8 | |
| 9.3 | 24.1 | 58.0 | B |
| 9.3 | 26.3 | 44.5 | |
| 8.9 | 29.4 | 18.1 | |
| 9.3 | 45 10.5 | 1.0 | a |
| 9.3 | 18.3 | 19.8 | a |
| 9.5 | 38.8 | 43.5 | |
| 9.3 | 46 5.6 | 59.9 | a |
| 9.5 | 9.9 | 29.5 | |
| 10pr. | + 25.84 | + 2.15 | |

| | | | |
|---|---|---|---|
| 4147a | | | |
| 9.5 | 5 | 54.5 | 58.0 |
| 4147b | | | |
| 9.5 | 6 | 5.2 | 58.8 |

| 4401—4460 | | | | | 4461—4520 | | | | | 4521—4580 | | | | | 4581—4640 | | | | | 4641—4700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20s | | +25° | | | 20s—21s | +25° | | | 21s | | +25° | | | 21s | | +25° | | | 21s—22s | +25° | | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.7 | 46 | 26.0 | 59.6 | K | 9.4 | 59 | 19.5 | 37.9 | B | 8.8 | 15 | 47.7 | 53.7 | K | 8.6 | 32 | 34.0 | 38.8 | K | 9.4 | 48 | 19.0 | 3.3 | |
| 9.5 | | 29.8 | 28.0 | | 9.2 | | 52.4 | 8.0 | *a* | 8.6 | 16 | 1.0 | 35.0 | K | 8.3 | | 56.7 | 56.4 | K | 9.4 | | 44.8 | 12.5 | *a* |
| 9.1 | | 48.7 | 56.6 | *a* | 8.3 | 0 | 8.0 | 3.6 | Kb | 9.5 | | 19.1 | 45.8 | | 9.0 | 33 | 0.5 | 23.6 | | 8.7 | | 50.2 | 14.5 | Kb |
| 9.2 | | 58.6 | 14.9 | *a* | 9.2 | | 10.4 | 1.0 | *a* | 9.0 | | 20.0 | 29.5 | B | 9.5 | | 3.4 | 57.0 | | 8.5 | 49 | 14.7 | 43.7 | K |
| 9.5 | 47 | 8.6 | 38.0 | B | 8.1 | | 24.9 | 57.3 | K | 9.5 | | 30.0 | 8.4 | | 9.5 | | 34.5 | 55.7 | *a* | 9.4 | | 23.5 | 0.7 | |
| 9.5 | | 14.9 | 57.3 | *a* | 9.5 | | 45.0 | 55.5 | | 9.5 | | 31.2 | 15.7 | | 9.0 | | 37.0 | 20.2 | R | 9.5 | | 26.4 | 17.3 | |
| 9.4 | | 15.2 | 31.9 | B | 9.1 | 1 | 20.1 | 59.2 | *a* | 8.8 | | 57.2 | 51.3 | K | 9.5 | | 50.3 | 49.2 | | 9.1 | | 43.7 | 53.2 | Kb |
| 9.4 | | 19.8 | 44.5 | | 9.5 | | 26.5 | 19.1 | | 9.1 | 17 | 1.7 | 8.9 | *a* | 9.0 | | 51.0 | 27.5 | | 8.8 | | 44.4 | 46.5 | K |
| 9.4 | | 26.0 | 32.1 | B | 9.4 | | 43.0 | 38.5 | *a* | 9.5 | | 4.8 | 19.5 | | 9.5 | | 52.5 | 32.7 | | 8.8 | | 45.2 | 40.7 | |
| 8.6 | 48 | 12.2 | 6.0 | K | 9.5 | | 59.3 | 27.0 | | 9.2 | | 47.4 | 52.1 | *a* | 9.5 | 34 | 4.4 | 0.4 | *a* | 9.0 | | 56.3 | 30.7 | K |
| 9.3 | | 22.1 | 55.6 | B | 9.0 | 2 | 2.0 | 42.3 | | 5.0 | 18 | 8.7 | 34.3 | K | 9.5 | | 24.5 | 0.8 | *a* | 9.5 | 50 | 54.5 | 53.8 | |
| 9.4 | | 23.7 | 45.8 | | 9.5 | | 17.7 | 37.8 | | 9.2 | | 16.6 | 18.5 | *a* | 9.1 | | 37.5 | 2.9 | *ab* | 8.5 | 51 | 27.7 | 50.3 | |
| 9.5 | | 29.3 | 52.8 | | 8.9 | 3 | 15.2 | 56.2 | K | 7.0 | | 21.0 | 15.6 | L | 9.3 | | 55.1 | 52.5 | *a* | 9.0 | | 55.7 | 19.3 | |
| 9.3 | | 30.8 | 1.7 | | 9.3 | | 35.5 | 26.7 | *a* | 9.5 | | 29.8 | 20.2 | | 9.5 | 35 | 15.0 | 9.1 | *a* | 9.3 | 52 | 46.6 | 55.7 | *a* |
| 8.4 | | 46.3 | 19.8 | K | 8.5 | | 38.4 | 41.6 | K | 9.4 | | 55.0 | 14.7 | *a* | 9.5 | | 19.5 | 21.6 | | 9.0 | 53 | 4.2 | 44.5 | |
| 9.4 | 49 | 8.0 | 24.8 | | 9.3 | 4 | 4.0 | 42.1 | B | 9.3 | | 56.9 | 48.4 | *a* | 9.3 | | 42.9 | 53.5 | B | 9.4 | | 17.9 | 57.2 | *a* |
| 9.5 | | 33.2 | 37.8 | | 8.8 | | 38.5 | 37.4 | K | 9.3 | 19 | 24.9 | 57.7 | B | 9.3 | 36 | 7.5 | 32.6 | *a* | 8.9 | | 19.5 | 28.0 | |
| 8.8 | | 39.6 | 23.7 | K | 8.5 | 5 | 13.3 | 44.0 | K | 9.5 | 20 | 44.0 | 26.0 | *a* | 9.5 | | 43.8 | 34.6 | *a* | 8.2 | 54 | 3.2 | 46.8 | |
| 9.3 | | 52.8 | 52.6 | | 9.4 | | 29.8 | 47.4 | B | 8.7 | 21 | 0.7 | 6.1 | | 9.0 | | 54.7 | 3.0 | B | 9.3 | | 22.0 | 48.6 | *a* |
| 9.3 | 50 | 47.6 | 39.3 | *a* | 9.5 | | 32.8 | 54.4 | B | 9.0 | | 47.0 | 36.8 | | 8.3 | | 56.0 | 22.9 | K | 9.4 | | 27.3 | 54.4 | |
| 9.2 | 51 | 0.8 | 11.9 | *a* | 8.8 | | 37.3 | 40.9 | K | 9.5 | | 47.0 | 45.7 | | 9.1 | | 56.7 | 38.6 | B | 9.5 | | 33.3 | 55.7 | *a* |
| 7.0 | | 20.4 | 50.7 | K | 9.2 | | 42.4 | 47.6 | B | 6.5 | 22 | 14.7 | 18.7 | K | 9.2 | | 56.7 | 49.9 | B | 8.0 | 55 | 5.7 | 40.7 | K |
| 9.4 | | 26.6 | 55.6 | | 9.4 | 6 | 8.3 | 33.7 | | 7.5 | | 15.0 | 47.1 | K | 9.0 | 37 | 2.3 | 20.5 | | 9.0 | | 50.2 | 29.3 | Kb |
| 9.1 | | 47.7 | 14.1 | *ab* | 8.2 | | 8.7 | 43.3 | K | 7.6 | | 16.8 | 56.7 | K | 9.3 | | 7.6 | 53.7 | *a* | 9.3 | | 59.2 | 14.5 | *a* |
| 8.5 | | 55 7 | 31.7 | B | 8.8 | 7 | 0.0 | 43.5 | K | 9.2 | | 28.0 | 8.0 | *a* | 9.0 | | 10.4 | 35.1 | | 9.5 | 56 | 52.5 | 1.7 | *a* |
| 9.3 | 52 | 7.2 | 45.0 | *a* | 9.1 | | 3.7 | 11.5 | *a* | 9.2 | 23 | 2.3 | 51.4 | B | 9.3 | | 29.0 | 4.5 | *a* | 9.0 | | 58.7 | 22.1 | |
| 9.2 | | 8.2 | 33.7 | *a* | 9.4 | | 10.0 | 26.4 | *a* | 8.5 | | 12.5 | 34.7 | K | 8.2 | | 35.1 | 50.8 | *B* | 9.5 | 57 | 4.8 | 47.5 | |
| 8.8 | | 9.4 | 42.3 | | 8.2 | | 12.7 | 1.9 | K | 9.5 | | 20.3 | 49.4 | | 7.8 | | 51.2 | 38.0 | B | 9.5 | | 26.0 | 36.4 | *a* |
| 9.5 | | 43.5 | 49.4 | B | 9.5 | | 49.2 | 5.2 | | 8.3 | | 24.5 | 10.0 | K | 9.4 | | 55.2 | 17.5 | B | 9.0 | | 51.9 | 57.0 | |
| 8.9 | | 49.9 | 3.0 | | 7.5 | | 50.0 | 39.2 | K | 9.5 | 24 | 14.5 | 43.7 | *a* | 9.4 | | 59.3 | 35.0 | *a* | 8.9 | 58 | 3.6 | 57.3 | |
| 9.5 | | 58.5 | 54.5 | | 9.5 | 8 | 24.2 | 51.0 | | 8.8 | | 21.6 | 23.0 | | 9.0 | 38 | 42.0 | 16.4 | | 6.2 | | 34.0 | 59.3 | R |
| 9.3 | 53 | 8.2 | 21.3 | *a* | 9.1 | | 48.5 | 20.6 | *a* | 8.2 | | 29.0 | 6.4 | K | 9.5 | | 44.2 | 58.7 | | 9.0 | 59 | 5.8 | 0.1 | K |
| 9.0 | 54 | 10.6 | 58.3 | | 8.3 | | 59.0 | 15.0 | K | 9.0 | | 40.8 | 25.0 | K | 9.5 | 39 | 14.3 | 59.8 | | 9.1 | | 42.0 | 53.4 | *a* |
| 9.5 | | 34.1 | 22.8 | B | 9.5 | 9 | 14.5 | 46.1 | | 9.0 | | 50.4 | 9.2 | | 8.5 | | 21.5 | 38.2 | K | 9.4 | | 42.7 | 48.2 | |
| 9.4 | | 34.2 | 38.1 | | 9.5 | | 27.5 | 20.0 | | 9.0 | | 52.5 | 28.8 | | 9.5 | | 43.0 | 35.7 | | 8.7 | 0 | 16.0 | 8.3 | K |
| 9.5 | 55 | 2.4 | 50.3 | *a* | 9.5 | | 43.0 | 58.0 | | 9.5 | | 53.8 | 25.6 | *a* | 8.0 | | 43.7 | 15.4 | K | 7.8 | | 20.1 | 54.7 | K |
| 9.5 | | 32.3 | 59.6 | | 9.5 | | 47.7 | 27.0 | *a* | 8.7 | | 58.7 | 49.5 | | 9.0 | 40 | 34.5 | 39.5 | | 8.6 | 1 | 0.6 | 39.3 | B |
| 9.0 | | 37.9 | 51.0 | | 7.2 | | 55.0 | 45.2 | Kb | 8.8 | 25 | 14.3 | 23.4 | K | 9.5 | | 46.5 | 5.8 | B | 9.5 | | 2.4 | 59.0 | |
| 9.3 | | 49.2 | 54.2 | | 9.5 | 10 | 18.3 | 45.0 | | 9.5 | | 26.8 | 33.0 | | 9.5 | 41 | 30.6 | 39.2 | *a* | 9.4 | | 13.2 | 12.8 | |
| 9.0 | | 52.4 | 19.2 | B | 8.7 | | 25.1 | 53.7 | | 9.3 | | 46.0 | 7.4 | | 9.5 | | 33.5 | 31.3 | | 9.5 | | 17.6 | 6.6 | *a* |
| 9.5 | | 59.4 | 19.9 | *a* | 9.4 | | 27.9 | 16.3 | B | 9.2 | | 58.0 | 20.2 | *a* | 7.5 | 42 | 20.7 | 2.2 | K | 9.3 | 2 | 43.1 | 50.1 | B |
| 8.0 | 56 | 16.5 | 36.0 | K | 9.5 | | 37.0 | 23.0 | *a* | 9.3 | 26 | 12.5 | 13.4 | *a* | 8.9 | | 29.5 | 50.0 | Kb | 9.5 | 3 | 25.2 | 1.3 | |
| 7.1 | | 23.8 | 56.2 | K | 9.5 | | 40.0 | 29.5 | | 9.5 | | 21.5 | 28.1 | | 8.8 | | 45.0 | 19.1 | | 8.8 | | 57.0 | 51.7 | |
| 8.0 | | 50.5 | 20.2 | K | 9.5 | 12 | 0.7 | 37.4 | B | 9.1 | 27 | 1.0 | 38.5 | *a* | 9.4 | | 48.7 | 7.6 | *a* | 8.5 | 4 | 12.8 | 6.3 | K |
| 9.5 | 57 | 10.6 | 14.8 | B | 9.5 | | 6.3 | 36.1 | *a* | 8.2 | | 21.9 | 15.6 | K | 9.4 | 43 | 8.9 | 51.0 | | 9.1 | | 29.0 | 54.9 | B |
| 9.2 | | 20.5 | 25.9 | | 9.5 | | 32.4 | 3.6 | | 9.5 | | 32.6 | 57.0 | | 8.8 | | 25.0 | 19.8 | K | 8.3 | | 58.2 | 24.5 | K |
| 9.2 | | 23.3 | 59.6 | | 8.4 | | 33.5 | 37 8 | K | 8.5 | | 51.5 | 43.6 | | 8.3 | | 37.0 | 12.0 | K | 9.5 | 5 | 10.6 | 9.1 | |
| 8.5 | | 25.4 | 16.8 | K | 8.2 | | 36.7 | 29.1 | L | 8.6 | | 59.9 | 27.0 | K | 8.3 | 44 | 51.0 | 36.0 | | 9.3 | | 15.7 | 31.0 | |
| 9.5 | | 42.5 | 57.1 | | 9.5 | | 36.9 | 56.8 | | 9.5 | 28 | 23.1 | 55.1 | | 9.2 | | 51.8 | 15.3 | | 8.0 | | 18.4 | 19.0 | Kb |
| 8.2 | | 46.5 | 47.7 | K | 9.5 | 13 | 9.5 | 6.7 | *a* | 9.0 | | 26.5 | 15.0 | Kb | 9.2 | 45 | 2.0 | 33.0 | | 9.3 | | 25.1 | 45.8 | B |
| 9.4 | | 52.8 | 12.0 | B | 9.5 | | 56.6 | 54.4 | | 9.4 | | 43.8 | 30.0 | *a* | 9.3 | | 19.6 | 12.1 | | 6.8 | 6 | 30.9 | 13.2 | Kb |
| 9.0 | | 55.2 | 23.1 | B | 9.5 | 14 | 9.1 | 19.8 | *a* | 8.3 | | 46.0 | 38.1 | L | 9.2 | | 25.5 | 36.8 | *b* | 9.3 | 7 | 10.5 | 55.3 | |
| 9.4 | 58 | 9.9 | 16.5 | | 7.7 | | 15.0 | 37.5 | K | 9.4 | 29 | 3.5 | 31.5 | B | 9.5 | | 26.0 | 49.2 | | 9.5 | 8 | 9.7 | 13.9 | |
| 9.4 | | 11.0 | 48.1 | | 9.1 | | 43.4 | 9.3 | *a* | 9.3 | | 14.1 | 41.3 | B | 9.4 | 46 | 9.9 | 22.3 | B | 9.3 | | 25.6 | 58.9 | B |
| 9.5 | | 12.8 | 43.3 | | 9.4 | | 45.8 | 6.8 | *a* | 8.9 | | 27.2 | 43.4 | L | 5.5 | | 28.6 | 14.5 | K | 9.5 | | 40.2 | 27.0 | |
| 9.4 | | 14.1 | 13.0 | B | 9.5 | | 59.5 | 53.5 | *a* | 9.3 | | 30.9 | 57.9 | | 8.5 | | 38.5 | 3.7 | L | 8.6 | | 54 4 | 1.6 | K |
| 9.5 | | 35.6 | 6.7 | | 9.5 | 15 | 23.5 | 56.7 | | 9.5 | 31 | 2.5 | 29.1 | | 8.9 | 47 | 17.5 | 55.7 | | 9.5 | 9 | 8.5 | 49.6 | |
| 9.5 | 59 | 4.6 | 39.5 | B | 9.4 | | 25.2 | 50.0 | *a* | 9.5 | | 5.5 | 43.3 | | 9.5 | | 30.6 | 2.3 | | 9.5 | | 19.7 | 26.1 | |
| 9.3 | | 15.8 | 43.3 | B | 8.0 | | 28.7 | 12.1 | K | 8.9 | | 25.2 | 53.5 | K | 9.5 | | 56.2 | 35.5 | | 9.3 | | 34.8 | 2.1 | |
| 9.2 | | 19.1 | 33.4 | *a* | 9.5 | | 41.4 | 8.2 | *a* | 9.3 | | 54.2 | 35.1 | B | 9.4 | 48 | 11.6 | 3.8 | | 8.5 | | 36.7 | 32.3 | K |
| *10pr.* | | + 26.08 | + 2.29 | | *10pr.* | | + 26.37 | + 2.44 | | *10pr.* | | + 26.71 | + 2.60 | | *10pr.* | | + 27.02 | + 2.73 | | *10pr.* | | + 27.49 | + 2.88 | |

| 4575a | | | | |
|---|---|---|---|---|
| 9.0 | 29 | 28.2 | 43.4 | B |

| 4701—4760 | | | | 4761—4820 | | | | 4821—4880 | | | | 4881—4940 | | | | 4941—5000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ʰ | +25° | | | 22ʰ | +25° | | | 22ʰ—23ʰ | +25° | | | 23ʰ | +25° | | | 23ʰ | +25° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.3 | 9 47.1 | 52.8 | | 9.2 | 26 32.2 | 44.4 | | 9.3 | 42 25.9 | 56.6 | | 9.1 | 1 14.7 | 55.1 | *a* | 9.5 | 21 4.7 | 12.4 | |
| 9.5 | 10 24.5 | 18.1 | | 8.7 | 36.2 | 13.7 | B | 9.1 | 43 0.4 | 3.7 | | 8.8 | 23.4 | 45.7 | K | 9.5 | 13.8 | 17.8 | |
| 9.4 | 25.7 | 22.4 | B | 9.3 | 40.4 | 16.5 | | 9.2 | 8.1 | 36.7 | | 9.5 | 25.1 | 56.4 | | 9.5 | 36.2 | 5.7 | |
| 9.3 | 26.1 | 6.1 | | 9.5 | 42.7 | 36.5 | | 9.3 | 20.7 | 29.1 | | 9.5 | 31.0 | 25.1 | | 8.8 | 22 0.7 | 6.1 | K |
| 7.5 | 41.7 | 39.6 | L | 9.3 | 45.1 | 56.5 | | 9.4 | 53.3 | 48.8 | | 8.0 | 58.1 | 31.9 | R | 8.4 | 8.2 | 1.0 | K |
| 9.2 | 48.7 | 24.1 | | 9.1 | 27 4.3 | 50.1 | | 9.5 | 57.9 | 56.2 | | 9.5 | 2 0.9 | 51.6 | | 9.4 | 10.6 | 20.4 | |
| 9.5 | 11 14.3 | 42.7 | | 8.4 | 34.4 | 36.9 | K | 9.5 | 44 4.1 | 6.5 | | 9.4 | 8.3 | 11.6 | | 9.0 | 23.9 | 28.8 | |
| 9.5 | 39.8 | 2.5 | | 6.8 | 46.9 | 50.8 | K | 6.7 | 30.8 | 37.4 | K | 9.4 | 50.4 | 9.3 | | 9.5 | 24.9 | 29.2 | |
| 7.7 | 12 0.9 | 2.7 | K | 9.4 | 28 20.0 | 37.4 | B | 9.5 | 42.3 | 47.1 | | 9.5 | 3 16.6 | 58.3 | | 9.5 | 26.7 | 58.6 | |
| 9.3 | 34.0 | 23.2 | | 9.5 | 24.9 | 39.6 | | 9.0 | 42.4 | 36.5 | | 7.2 | 38.6 | 45.4 | K | 9.4 | 45.8 | 18.2 | |
| 9.5 | 59.0 | 26.9 | | 8.5 | 27.7 | 15.9 | Kb | 9.5 | 45 3.8 | 24.4 | | 8.0 | 44.9 | 35.0 | L | 8.5 | 24 0.6 | 40.1 | K |
| 9.3 | 14 7.4 | 57.4 | | 9.3 | 47.2 | 18.0 | | 9.5 | 18.7 | 56.0 | | 8.9 | 55.3 | 39.7 | B | 9.2 | 22.8 | 12.1 | K |
| 9.5 | 9.0 | 20.3 | | 9.3 | 29 12.8 | 9.0 | | 9.5 | 46 21.5 | 55.8 | | 9.3 | 4 25.9 | 51.6 | R | 9.0 | 38.5 | 7.9 | K |
| 9.5 | 27.9 | 28.6 | | 8.5 | 44.2 | 50.1 | B | 9.5 | 23.9 | 51.3 | *a* | 9.0 | 47.7 | 14.8 | K | 9.5 | 25 2.2 | 12.5 | |
| 9.5 | 15 22.8 | 37.9 | | 9.0 | 46.1 | 34.7 | | 9.4 | 45.7 | 53.3 | B | 8.4 | 5 19.0 | 4.0 | K | 7.4 | 3.9 | 45.1 | L |
| 9.5 | 46.6 | 23.5 | | 8.9 | 30 21.2 | 58.6 | | 9.5 | 46.6 | 11.8 | *a* | 9.0 | 55.8 | 46.1 | | 9.0 | 7.3 | 44.1 | B |
| 9.5 | 16 16.0 | 54.0 | | 8.6 | 35.0 | 4.7 | K | 9.0 | 47 17.8 | 8.8 | | 9.5 | 6 4.4 | 23.4 | *a* | 7.4 | 13.9 | 42.9 | L |
| 9.5 | 45.7 | 49.7 | | 9.4 | 37.7 | 9.5 | | 9.4 | 51.3 | 52.6 | | 9.2 | 25.9 | 54.1 | B | 9.1 | 14.8 | 13.5 | B |
| 9.2 | 51.8 | 56.2 | | 8.0 | 55.7 | 40.6 | K | 9.2 | 56.4 | 0.4 | K | 9.4 | 28.8 | 32.7 | *a* | 9.5 | 57.1 | 38.5 | |
| 8.8 | 17 1.4 | 16.4 | K | 8.8 | 58.7 | 19.7 | | 9.5 | 48 9.3 | 25.4 | | 9.5 | 46.4 | 57.1 | *a* | 9.3 | 26 2.5 | 15.5 | |
| 9.2 | 4.8 | 59.8 | B | 9.5 | 31 24.2 | 55.3 | *a* | 9.0 | 16.1 | 20.5 | | 9.3 | 7 8.9 | 51.3 | | 8.8 | 32.4 | 38.1 | |
| 9.4 | 45.8 | 26.2 | | 9.5 | 32 18.7 | 24.1 | | 9.5 | 31.2 | 19.7 | | 9.4 | 29.5 | 7.5 | *a* | 9.4 | 48.2 | 55.7 | |
| 8.5 | 52.2 | 59.3 | K | 8.8 | 32.0 | 16.6 | | 9.1 | 32.8 | 50.9 | *b* | 8.5 | 45.1 | 32.0 | | 9.5 | 49.0 | 14.1 | |
| 9.5 | 55.7 | 25.9 | | 9.5 | 33.2 | 54.5 | | 9.5 | 48.8 | 35.1 | | 9.0 | 8 7.8 | 13.2 | | 9.4 | 57.3 | 54.6 | |
| 9.5 | 59.9 | 6.0 | | 8.8 | 42.1 | 28.0 | R | 9.5 | 49 1.3 | 1.0 | | 8.0 | 14.5 | 4.5 | L | 9.3 | 27 7.2 | 56.3 | |
| 7.7 | 18 17.6 | 52.2 | K | 9.1 | 33 3.6 | 8.6 | K | 9.5 | 46.3 | 50.7 | | 9.5 | 25.7 | 38.9 | *a* | 9.5 | 12.5 | 9.2 | |
| 9.4 | 20.2 | 5.6 | B | 8.0 | 48.6 | 59.5 | K | 9.0 | 53.6 | 26.5 | | 8.6 | 9 17.7 | 25.4 | R | 8.6 | 13.0 | 54.9 | K |
| 9.3 | 19 13.7 | 52.4 | *a* | 9.4 | 34 31.3 | 36.5 | | 8.3 | 58.8 | 34.6 | Kb | 9.5 | 57.2 | 7.2 | *a* | 9.3 | 34.9 | 58.5 | *a* |
| 9.3 | 16.0 | 15.9 | | 9.0 | 40.1 | 50.6 | Kb | 9.5 | 50 53.6 | 2.0 | | 9.2 | 10 1.8 | 53.0 | Kb | 9.3 | 28 2.9 | 9.8 | B |
| 6.7 | 17.3 | 10.4 | Kb | 9.4 | 42.8 | 28.3 | | 9.5 | 51 37.4 | 34.5 | | 9.4 | 20.1 | 40.6 | B | 9.4 | 6.8 | 31.3 | |
| 9.4 | 38.9 | 44.8 | B | 9.3 | 54.0 | 55.6 | B | 9.5 | 40.3 | 52.3 | | 9.5 | 23.0 | 41.2 | *a* | 9.3 | 7.7 | 2.3 | |
| 7.8 | 39.2 | 3.1 | K | 9.5 | 35 7.4 | 11.6 | | 9.0 | 42.5 | 23.7 | | 9.4 | 43.8 | 42.0 | *a* | 9.4 | 27.4 | 29.2 | |
| 8.5 | 54.7 | 46.6 | K | 9.5 | 36 7.2 | 6.3 | *a* | 9.5 | 52 7.2 | 27.7 | B | 9.2 | 11 10.2 | 48.5 | B | 9.5 | 37.1 | 0.3 | *a* |
| 9.2 | 20 2.9 | 55.1 | | 9.5 | 27.4 | 20.3 | B | 8.6 | 44.0 | 6.1 | | 9.0 | 14.3 | 58.3 | | 9.5 | 29 9.4 | 39.6 | |
| 9.5 | 40.5 | 16.5 | | 8.7 | 35.0 | 0.8 | K | 9.5 | 49.1 | 9.4 | | 9.3 | 39.6 | 1.4 | B | 8.0 | 12.1 | 28.5 | Kb |
| 9.5 | 46.3 | 45.5 | | 8.7 | 36.6 | 40.0 | | 9.5 | 53 9.8 | 55.4 | | 9.4 | 59.1 | 29.3 | | 9.0 | 58.5 | 24.0 | |
| 9.5 | 21 1.5 | 13.8 | | 9.3 | 46.9 | 45.8 | | 9.5 | 14.6 | 43.0 | | 8.0 | 12 16.6 | 42.2 | K | 9.5 | 31 6.0 | 44.7 | |
| 9.5 | 8.2 | 32.8 | | 9.3 | 53.5 | 42.3 | | 9.4 | 31.9 | 48.8 | | 9.4 | 29.7 | 21.7 | B | 9.4 | 9.3 | 2.8 | B |
| 9.5 | 48.0 | 24.1 | | 8.7 | 59.3 | 53.8 | K | 9.3 | 33.7 | 9.7 | R | 9.5 | 34.0 | 19.0 | | 9.4 | 28.4 | 56.7 | |
| 9.5 | 52.4 | 54.4 | | 9.4 | 37 14.4 | 28.2 | | 8.5 | 47.6 | 44.3 | L | *9.4 | 51.9 | 24.7 | *a* | 8.1 | 31.8 | 8.5 | K |
| 8.5 | 56.9 | 58.8 | K | 9.3 | 16.7 | 5.5 | | 7.8 | 54 6.4 | 59.4 | K | 9.5 | 53.4 | 6.8 | | 9.4 | 32 24.5 | 8.7 | |
| 9.3 | 22 0.2 | 11.3 | B | 8.7 | 50.6 | 56.3 | R | 9.5 | 33.8 | 34.0 | | 8.8 | 13 38.6 | 57.0 | | 9.0 | 43.3 | 27.5 | |
| 9.5 | 13.8 | 11.5 | | 9.5 | 55.2 | 44.1 | | 9.5 | 55 12.8 | 49.2 | | 9.5 | 40.1 | 25.1 | | 9.5 | 33 37.7 | 14.1 | |
| 9.4 | 15.3 | 14.1 | | 9.2 | 38 15.1 | 16.8 | | 9.5 | 36.3 | 34.4 | | 6.3 | 14 52.0 | 50.5 | Kb | 9.5 | 34 22.6 | 5.1 | *a* |
| 9.5 | 21.1 | 36.2 | | 8.6 | 36.0 | 7.4 | | 8 9 | 39.8 | 22.0 | K | 9.5 | 15 7.2 | 38.5 | | 9.2 | 34.1 | 59.7 | *b* |
| 9.2 | 33.9 | 3.2 | *b* | 9.4 | 46.5 | 43.8 | | 9.5 | 56 45.4 | 56.1 | | 9.2 | 12.9 | 15.0 | | 9.5 | 39.8 | 44.3 | |
| 8.5 | 23 13.1 | 11.4 | K | 9.4 | 39 8.5 | 26.9 | B | 9.3 | 57 30.9 | 41.1 | B | 6.6 | 20.4 | 7.1 | K | 8.3 | 45.9 | 5.1 | K |
| 9.5 | 36.7 | 7.5 | | 9.0 | 18.2 | 10.8 | | 9.5 | 49.3 | 14.8 | | 9.5 | 47.2 | 33.0 | | 9.5 | 35 8.6 | 53.6 | |
| 9.5 | 24 6.2 | 0.0 | | 7.8 | 47.1 | 15.3 | K | 9.4 | 58 10.1 | 1.3 | | 9.4 | 56.7 | 29.5 | B | 9.5 | 36 4.7 | 0.6 | |
| 9.5 | 15.4 | 52.1 | | 7.6 | 49.5 | 2.6 | L | 7.7 | 24.8 | 13.8 | Kb | 9.5 | 16 27.8 | 5.5 | | 9.4 | 18.9 | 54.2 | |
| 9.5 | 30.7 | 20.7 | | 9.3 | 40 0.0 | 30.1 | | 9.5 | 25.5 | 17.4 | B | 9.3 | 17 3.6 | 44.7 | | 9.2 | 31.9 | 18.2 | R |
| 8.5 | 33.5 | 30.8 | | 9.4 | 14.2 | 23.8 | | 9.5 | 27.3 | 49.1 | | 8.8 | 4.0 | 51.6 | K | 9.3 | 37 2.4 | 27.2 | |
| 9.5 | 46.2 | 20.7 | | 8.8 | 25.7 | 18.6 | | 9.5 | 43.0 | 26.1 | | 9.4 | 43.4 | 36.1 | | 9.1 | 12.4 | 36.8 | *a* |
| 8.8 | 25 17.6 | 54.4 | | 9.5 | 41 13.1 | 32.6 | | 9.5 | 56.4 | 28.1 | | 7.5 | 18 23.5 | 24.3 | K | 9.5 | 29.7 | 12.3 | |
| 9.4 | 18.0 | 30.0 | | 8.3 | 14.8 | 9.3 | K | 9.5 | 59.6 | 52.5 | | 9.4 | 19 3.7 | 54.7 | | 9.5 | 42.8 | 55.7 | |
| 9.5 | 26.6 | 3.5 | | 9.5 | 17.1 | 7.0 | | 9.5 | 59 6.9 | 34.4 | | 9.2 | 12.9 | 45.9 | B | 8.8 | 38 7.5 | 12.4 | |
| 9.3 | 44.2 | 24.8 | | 9.4 | 47.6 | 20.8 | | 9.5 | 9.8 | 28.6 | | 9.5 | 58.7 | 16.5 | | 9.0 | 19.4 | 19.2 | |
| 9.5 | 48.5 | 52.3 | | 8.0 | 49.5 | 13.2 | K | 9.4 | 18.5 | 16.1 | *a* | 9.4 | 20 0.8 | 26.9 | | 7.3 | 27.7 | 31.6 | K |
| 8.4 | 56.2 | 39.9 | B | 9.5 | 54.6 | 24.1 | B | 9.5 | 56.4 | 30.9 | | 9.5 | 9.4 | 28.6 | | 9.5 | 52.1 | 58.8 | |
| 9.4 | 26 18.4 | 54.1 | | 7.5 | 42 15.6 | 43.9 | K | 9.4 | 1 5.5 | 6.4 | | 8.7 | 21 1.4 | 6.8 | K | 9.0 | 39 9.0 | 49.3 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10 pr. | 28.01 | 3.03 | | 10 pr. | 28.40 | 3.11 | | 10 pr. | 28.84 | 3.20 | | 10 pr. | 29.35 | 3.26 | | 10 pr. | 29.83 | 3.31 | |

4919ᵉ var | 12 34 | 29.1

| m | 23ʰ | +25° | |
|---|---|---|---|
| | 5001—5015 | | |
| 8.8 | 39′ 20.″4 | 31.′3 | |
| 9.0 | 40.0 | 4.6 | Kb |
| 9.1 | 48.8 | 45.7 | a |
| 8.5 | 40 3.7 | 27.1 | L |
| 7.5 | 5.1 | 20.6 | K |
| 9.1 | 7.2 | 29.6 | a |
| 9.5 | 25.0 | 17.5 | |
| 9.4 | 41 2.1 | 11.7 | |
| 8.9 | 13.4 | 46.5 | |
| 9.3 | 24.7 | 11.0 | |
| 9.5 | 34.8 | 48.7 | |
| 8.0 | 36.1 | 31.2 | B |
| 9.5 | 36.4 | 54.0 | |
| 9.0 | 47.1 | 15.5 | B |
| 8.3 | 42 32.4 | 20.8 | R |
| | 5016—5030 | | |
| 9.4 | 42′ 36.″7 | 15.′5 | |
| 8.5 | 43 1.2 | 31.7 | |
| 9.5 | 3.8 | 22.0 | |
| 9.5 | 15.0 | 11.0 | |
| 9.5 | 21.3 | 14.1 | |
| 9.5 | 51.2 | 45.5 | |
| 9.4 | 53.5 | 1.2 | |
| 8.9 | 53.6 | 24.8 | |
| 9.5 | 44 30.6 | 59.8 | |
| 9.5 | 34.7 | 16.2 | |
| 9.5 | 38.8 | 18.8 | |
| 9.4 | 49.3 | 52.5 | |
| 9.4 | 49.9 | 46.5 | B |
| 9.2 | 56.1 | 11.3 | |
| 9.2 | 45 5.7 | 33.0 | |
| | 5031—5045 | | |
| 9.5 | 45′ 25.″5 | 38.′8 | |
| 9.5 | 30.8 | 52.6 | |
| 9.5 | 38.1 | 41.6 | |
| 7.5 | 45.5 | 11.6 | K |
| 9.2 | 49.6 | 53.7 | b |
| 9.3 | 46 6.1 | 45.0 | |
| 9.5 | 47 0.8 | 1.0 | |
| 9.5 | 1.0 | 15.5 | a |
| 9.5 | 6.1 | 7.4 | |
| 9.5 | 12.4 | 46.1 | |
| 9.3 | 31.3 | 15.8 | B |
| 6.3 | 48 1.0 | 9.0 | Kb |
| 9.5 | 18.6 | 1.4 | |
| 9.5 | 22.8 | 31.5 | |
| 9.5 | 25.3 | 44.6 | |
| *10pr.* | | + 30.36 | + 3.34 |
| | 5046—5060 | | |
| 9.2 | 49′ 57.″6 | 23.′3 | b |
| 9.4 | 50 13.4 | 32.0 | B |
| 9.4 | 36.2 | 34.2 | a |
| 9.4 | 51 11.1 | 23.0 | |
| 8.3 | 28.6 | 49.9 | Kb |
| 8.5 | 29.7 | 16.4 | |
| 9.3 | 39.9 | 10.6 | |
| 9.5 | 47.5 | 53.3 | |
| var | 52 41.0 | 5.6 | |
| 7.8 | 53 6.1 | 2.4 | K |
| 9.4 | 15.2 | 56.1 | |
| 9.5 | 39.6 | 49.1 | |
| 8.5 | 54 26.9 | 18.9 | |
| 9.3 | 27.6 | 34.5 | a |
| 9.5 | 34.8 | 56.5 | a |
| | 5061—5073 | | |
| 9.3 | 54′ 43.″4 | 13.′8 | |
| 9.3 | 56 4.5 | 30.8 | |
| 9.5 | 9.4 | 45.8 | |
| 9.5 | 26.8 | 49.3 | a |
| 9.5 | 39.4 | 52.1 | a |
| 9.5 | 58.9 | 53.8 | a |
| 9.3 | 57 24.8 | 6.2 | b |
| 6.2 | 28.7 | 50.7 | K |
| 8.7 | 31.8 | 54.3 | K |
| 9.5 | 58 17.5 | 44.6 | a |
| 9.5 | 59 24.5 | 19.5 | B |
| 9.5 | 28.1 | 2.8 | B |
| 7.2 | 55.6 | 39.4 | K |

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# Zone +26°

| m | 0ʰ | +26° | |
|---|---|---|---|
| | 1—20 | | |
| 9.3 | 1′ 30.″0 | 1.′8 | |
| 9.4 | 2 9.2 | 28.4 | |
| 9.5 | 39.0 | 53.5 | |
| 9.3 | 42.6 | 57.1 | aB |
| 9.1 | 3 53.3 | 24.5 | Kb |
| 7.9 | 4 17.2 | 42.8 | K |
| 8.0 | 19.7 | 23.5 | K |
| 8.5 | 29.3 | 16.7 | K |
| 9.5 | 5 8.2 | 4.6 | |
| 8.6 | 16.8 | 17.6 | K |
| 9.5 | 17.9 | 38.7 | |
| 9.5 | 32.3 | 34.2 | a |
| 6.5 | 55.8 | 10.4 | K |
| 9.0 | 58.9 | 14.8 | K |
| 9.5 | 6 7.2 | 4.5 | |
| 9.2 | 34.4 | 33.5 | a |
| 9.5 | 41.2 | 40.3 | |
| 9.2 | 7 5.3 | 13.5 | |
| 9.1 | 12.8 | 44.9 | a |
| 9.5 | 33.2 | 59.6 | |
| *10pr.* | | + 30.87 | + 3.34 |
| | 21—40 | | |
| 9.3 | 7′ 33.″7 | 47.′3 | a |
| 8.6 | 39.4 | 48.0 | |
| 6.5 | 42.2 | 28.0 | Kb |
| 9.5 | 8 26.8 | 42.8 | |
| 9.4 | 35.2 | 3.9 | |
| 9.4 | 9 14.7 | 44.7 | B |
| 9.2 | 44.5 | 38.3 | ab |
| 9.5 | 10 2.9 | 59.8 | |
| 9.5 | 25.0 | 33.5 | |
| 9.5 | 30.0 | 18.6 | |
| 9.4 | 31.3 | 36.3 | a |
| 9.5 | 12 8.3 | 42.1 | a |
| 9.4 | 42.4 | 23.1 | |
| 9.5 | 58.5 | 57.7 | |
| 9.5 | 13 16.2 | 48.0 | |
| 9.5 | 26.3 | 26.3 | |
| 8 8 | 32.5 | 10.0 | K |
| 9.2 | 40.8 | 41.7 | B |
| 8.3 | 47.6 | 55.2 | L |
| 7.5 | 58.4 | 8.7 | K |
| *10pr.* | | + 31.02 | + 3.34 |
| | 41—60 | | |
| 9.5 | 14′ 19.″9 | 55.′1 | B |
| 8.1 | 26.7 | 23.4 | K |
| var | 48.3 | 10.3 | |
| 9.5 | 15 23.5 | 47.6 | |
| 9.4 | 44.5 | 48.0 | a |
| 9.4 | 47.4 | 22.9 | |
| 9.1 | 50.4 | 18.4 | B |
| 9.5 | 16 9.8 | 12.1 | a |
| 9.4 | 28.7 | 3.6 | |
| 9.4 | 47.3 | 19.7 | a |
| 9.4 | 52.0 | 3.6 | |
| 9.2 | 56.6 | 34.1 | ab |
| 9.5 | 18 43.3 | 37.6 | |
| 9.5 | 45.8 | 51.1 | |
| 9.5 | 19 3.1 | 13.1 | |
| 9.0 | 6.2 | 13.0 | K |
| 8.2 | 13.7 | 22.8 | K |
| 9.5 | 22.8 | 5.6 | |
| 8.8 | 29.9 | 49.2 | |
| 9.3 | 46.1 | 6.9 | a |
| *10pr.* | | + 31.21 | + 3.33 |
| | 61—80 | | |
| 9.1 | 20′ 25.″3 | 15.′9 | a |
| 9.5 | 58.0 | 28.0 | a |
| 9.5 | 21 13.2 | 2.3 | a |
| 9.3 | 30.2 | 47.6 | |
| 8.3 | 45.7 | 4.2 | K |
| 9.5 | 22 16.9 | 14.8 | |
| 9.5 | 31.8 | 16.0 | a |
| 9.5 | 38.8 | 2.8 | |
| 9.5 | 43.2 | 34.5 | |
| 9.3 | 23 48.3 | 55.2 | a |
| 9.1 | 24 7.5 | 24.0 | ab |
| 8.4 | 23.1 | 50.9 | R |
| 9.5 | 36.5 | 31.9 | B |
| 8.5 | 41.0 | 53.8 | |
| 9.5 | 48.9 | 58.0 | |
| 6.8 | 57.5 | 46.2 | K |
| 9.5 | 25 5.0 | 53.1 | a |
| 9.1 | 42.8 | 19.5 | ab |
| 9.5 | 54.5 | 47.5 | B |
| 9.5 | 26 3.9 | 0.4 | a |
| *10pr.* | | + 31.41 | + 3.32 |
| | 81—100 | | |
| 9.5 | 26′ 4.″9 | 20.′2 | B |
| 9.4 | 9.3 | 7.0 | B |
| 9.5 | 14.8 | 26.2 | |
| 9.3 | 40.3 | 25.7 | a |
| 9.0 | 58.3 | 21.3 | |
| 9.2 | 27 2.0 | 2.7 | a |
| 9.3 | 55.4 | 52.7 | a |
| 9.0 | 28 0.6 | 28.8 | K |
| 8.9 | 23.6 | 48.5 | |
| 8.8 | 36.7 | 45.7 | |
| 6.5 | 42.2 | 27.4 | Kb |
| 8.0 | 29 4.6 | 14.4 | K |
| 8.6 | 39.4 | 29.5 | K |
| 8.4 | 30 50.9 | 45.6 | |
| 8.7 | 31 12.0 | 54.7 | |
| 8.5 | 40.3 | 41.8 | |
| 9.5 | 32 10.6 | 36.0 | |
| 9.5 | 35.7 | 42.6 | |
| 9.5 | 58.5 | 55.7 | a |
| 9.5 | 33 7.9 | 52.0 | |
| *10pr.* | | + 31.55 | + 3.31 |

| 101—160 | | | | 161—220 | | | | 221—280 | | | | 281—340 | | | | 341—400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ʰ | | +26° | | 0ʰ—1ʰ | | +26° | | 1ʰ | | +26° | | 1ʰ | | +26° | | 1ʰ—2ʰ | | +26° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 9.4 | 33 | 28.3 | 50.6 | | 7.5 | 50 | 40.3 | 0.1 | R | 8.6 | 13 | 10.7 | 3.9 | K | 8.5 | 33 | 31.0 | 56.8 | B | 9.5 | 53 | 9.1 | 48.6 | |
| 9.5 | | 37.0 | 32.2 | | 8.8 | | 49.9 | 5.5 | | 9.5 | | 20.9 | 35.5 | | 9.5 | | 32.5 | 38.8 | | 9.5 | | 10.4 | 11.2 | |
| 8.0 | 34 | 2.6 | 23.3 | L | 7.2 | 51 | 13.5 | 52.7 | K | 9.2 | | 53.5 | 57.9 | | 9.5 | 34 | 2.0 | 58.8 | | 9.5 | | 17.4 | 48.8 | B |
| 9.2 | | 9.9 | 47.0 | | 9.5 | 52 | 3.3 | 14.2 | | 9.5 | 14 | 21.8 | 11.2 | a | 9.3 | 35 | 30.9 | 35.7 | a | 9.1 | 54 | 16.6 | 53.9 | ab |
| 9.0 | | 11.3 | 14.0 | | 9.5 | | 43.5 | 37.1 | | 9.4 | | 28.1 | 9.8 | B | 9.4 | 36 | 33.5 | 43.6 | | 9.5 | 55 | 1.5 | 19.5 | |
| 9.5 | | 28.1 | 0.0 | | 9.4 | 53 | 0.4 | 35.5 | a | 9.1 | 15 | 18.3 | 39.4 | a | 9.0 | | 44.6 | 10.7 | | 7.5 | | 17.3 | 47.3 | B |
| 9.5 | | 38.0 | 28.8 | | 9.5 | | 46.5 | 54.0 | B | 8.5 | | 21.2 | 53.8 | K | 9.2 | | 49.9 | 19.0 | a | 8.2 | | 26.4 | 23.2 | B |
| 7.2 | | 46.6 | 50.8 | L | 9.5 | 54 | 11.7 | 27.5 | | 9.5 | | 37.5 | 39.7 | | 8.5 | 37 | 5.5 | 41.8 | B | 9.5 | | 33.9 | 25.0 | |
| 8.9 | | 50.0 | 4.7 | | 6.5 | | 44.1 | 57.9 | K | 9.5 | | 58.0 | 23.8 | | 9.4 | | 10.4 | 8.9 | | 9.3 | 56 | 29.1 | 34.1 | |
| 9.5 | 35 | 10.5 | 49.8 | | 8.6 | 55 | 19.6 | 29.5 | | 9.1 | 16 | 14.2 | 33.2 | b | 8.4 | | 26.3 | 23.6 | Lb | 9.3 | | 40.7 | 43.7 | |
| 9.0 | | 18.3 | 18.9 | | 9.1 | | 31.7 | 18.1 | ab | 8.5 | | 23.2 | 49.5 | | 8.9 | | 28.9 | 13.7 | R | 9.5 | 57 | 28.6 | 4.5 | |
| 8.4 | | 36.6 | 23.5 | B | 9.5 | | 40.0 | 1.3 | | 9.5 | 17 | 21.1 | 57.0 | | 9.4 | | 46.5 | 50.4 | | 9.5 | | 53.7 | 43.4 | |
| 9.1 | | 54.7 | 49.8 | | 9.4 | 56 | 4.1 | 43.1 | | 8.5 | | 42.9 | 6.8 | Kb | 9.5 | 38 | 6.6 | 27.1 | | 9.5 | | 56.4 | 46.1 | |
| 9.1 | | 58.3 | 41.1 | b | 9.3 | | 53.4 | 57.9 | a | 9.5 | | 44.6 | 8.5 | | 9.2 | 39 | 13.5 | 8.5 | a | 8.5 | 58 | 17.5 | 9.7 | |
| 9.5 | 36 | 8.2 | 21.5 | | 9.0 | 57 | 21.0 | 59.2 | | 9.1 | | 45.5 | 47.1 | a | 9.5 | | 13.9 | 47.3 | | 9.5 | | 18.8 | 25.2 | |
| 9.5 | | 26.9 | 23.0 | | 9.4 | 58 | 0.0 | 8.8 | | 9.5 | | 56.8 | 56.4 | a | 9.5 | | 18.4 | 24.0 | | 9.4 | | 48.7 | 47.4 | B |
| 9.4 | | 45.6 | 45.0 | | 9.5 | | 6.1 | 58.7 | | 9.5 | 18 | 36.8 | 56.0 | B | 9.2 | | 19.9 | 49.6 | Bb | 7.0 | 59 | 4.9 | 33.4 | K |
| 9.2 | 37 | 15.8 | 49.7 | aB | 9.5 | | 14.4 | 30.9 | | 8.0 | | 39.0 | 48.8 | Kb | 9.5 | 40 | 14.5 | 29.1 | | 9.4 | | 45.8 | 9.1 | |
| 9.5 | | 50.9 | 33.3 | | 9.5 | | 40.5 | 53.4 | | 6.8 | | 43.7 | 29.1 | R | 9.5 | | 57.0 | 37.1 | | 9.4 | 0 | 16.1 | 34.8 | |
| 9.3 | 38 | 14.7 | 32.9 | a | 9.5 | 59 | 0.5 | 26.2 | | 9.1 | | 44.3 | 18.1 | a | 9.5 | 41 | 8.3 | 26.8 | | 9.2 | | 31.7 | 1.3 | |
| 9.1 | 39 | 13.3 | 30.5 | | 8.9 | | 1.7 | 14.3 | | 8.5 | | 51.4 | 44.4 | K | 8.2 | | 27.1 | 59.6 | K | 9.4 | | 58.1 | 54.4 | |
| 9.3 | | 19.0 | 11.9 | | 9.4 | | 21.3 | 18.4 | B | 9.5 | 19 | 9.9 | 53.8 | B | 9.4 | | 43.0 | 30.8 | | 9.0 | 1 | 19.6 | 41.3 | |
| 9.5 | | 26.5 | 39.9 | B | 9.5 | | 23.2 | 10.5 | | 8.5 | | 14.6 | 45.2 | K | 8.0 | | 49.2 | 44.5 | B | 9.5 | | 21.0 | 0.6 | |
| 9.0 | | 43.3 | 20.9 | | 9.5 | | 35.0 | 55.9 | | 9.4 | | 20.3 | 5.8 | | 9.1 | | 52.3 | 21.3 | B | 9.5 | | 25.9 | 6.1 | |
| 9.5 | | 56.6 | 51.3 | | 9.0 | | 36.8 | 29.8 | Kb | 9.5 | | 36.2 | 1.2 | | 9.2 | | 52.6 | 22.7 | S | 9.5 | 2 | 14.7 | 51.8 | |
| 7.6 | 40 | 0.8 | 19.3 | R | 9.2 | | 42.1 | 3.4 | a | 9.5 | 20 | 26.5 | 22.5 | | 9.2 | 42 | 0.2 | 25.6 | a | 9.0 | 3 | 1.2 | 24.1 | |
| 9.5 | | 35.0 | 17.4 | | 9.1 | | 43.8 | 33.4 | B | 8.5 | 21 | 7.2 | 34.6 | Kb | 8.3 | | 1.9 | 19.8 | K | 9.3 | | 11.4 | 54.9 | B |
| 9.2 | 41 | 4.4 | 57.0 | | 9.3 | | 47.5 | 19.2 | | 8.2 | 22 | 2.5 | 57.0 | K | 9.5 | 43 | 24.0 | 44.6 | | 9.5 | | 42.8 | 4.4 | |
| 9.5 | | 57.5 | 1.3 | | 9.3 | 0 | 25.6 | 55.2 | | 8.9 | | 32.1 | 14.3 | | 9.3 | | 28.2 | 13.3 | | 9.5 | | 52.1 | 28.3 | |
| 9.5 | 42 | 2.3 | 36.0 | | 9.5 | 2 | 40.1 | 44.0 | | 9.5 | 23 | 2.0 | 42.9 | | 9.5 | | 31.5 | 59.1 | | 9.5 | 5 | 1.3 | 53.1 | |
| 5.3 | | 7.6 | 55.8 | Kb | 9.2 | | 47.9 | 9.9 | a | 9.3 | | 15.5 | 33.2 | a | 9.3 | | 58.1 | 7.7 | | 9.1 | | 55.2 | 50.4 | a |
| 9.0 | | 8.2 | 7.4 | R | 9.1 | 3 | 18.6 | 1.6 | a | 8.8 | | 40.6 | 53.9 | K | 9.5 | | 58.2 | 19.2 | | 9.1 | 6 | 37.1 | 47.2 | a |
| 9.5 | | 14.5 | 7.0 | a | 9.5 | | 21.5 | 36.7 | | 9.4 | 24 | 39.5 | 34.6 | B | 9.4 | 44 | 7.6 | 54.2 | | 8.1 | 7 | 5.7 | 41.0 | K |
| 9.5 | | 17.1 | 1.8 | a | 9.5 | | 25.6 | 10.8 | | 8.5 | | 49.2 | 19.8 | R | 9.3 | | 33.9 | 37.7 | | 9.5 | | 41.4 | 29.3 | B |
| 9.5 | | 43.3 | 50.8 | | 8.8 | | 32.3 | 21.3 | K | 9.5 | | 58.9 | 51.8 | B | 9.5 | | 57.7 | 27.0 | | 8.6 | | 55.1 | 21.4 | K |
| 9.5 | 43 | 8.7 | 19.2 | | 9.5 | | 39.6 | 23.6 | | 8.8 | 25 | 3.0 | 5.5 | | 9.5 | 45 | 24.6 | 33.6 | | 9.5 | 8 | 8.4 | 22.5 | |
| 8.9 | | 33.4 | 34.1 | B | 8.6 | 5 | 28.5 | 50.2 | K | 8.8 | | 10.4 | 3.0 | K | 9.5 | 46 | 12.7 | 2.2 | | 9.5 | | 39.1 | 43.8 | a |
| 8.2 | 44 | 7.7 | 58.4 | K | 9.0 | | 47.4 | 51.5 | | 9.5 | | 27.2 | 46.3 | | 9.0 | | 18.1 | 58.9 | K | 9.1 | | 45.5 | 3.6 | a |
| 9.4 | | 26.8 | 0.8 | B | 8.5 | | 51.0 | 22.3 | | 8.8 | 26 | 2.4 | 33.2 | B | 8.5 | | 24.3 | 44.6 | | 9.4 | 9 | 42.4 | 51.6 | |
| 9.5 | | 31.9 | 46.4 | | 9.5 | 6 | 19.3 | 26.7 | | 9.5 | | 6.8 | 31.9 | | 9.5 | | 33.8 | 35.7 | | 9.2 | 10 | 5.7 | 4.6 | a |
| 9.1 | | 35.0 | 14.4 | ab | 9.4 | | 24.0 | 36.9 | | 9.5 | | 31.5 | 2.6 | | 9.5 | | 34.4 | 27.0 | | 9.4 | | 7.5 | 11.0 | |
| 9.3 | | 57.7 | 25.7 | a | 9.0 | | 34.4 | 37.9 | B | 9.5 | | 43.9 | 55.4 | | 7.8 | | 53.0 | 51.1 | K | 9.1 | | 24.0 | 55.2 | a |
| 9.5 | 45 | 2.6 | 0.8 | | 9.5 | | 53.7 | 51.1 | | 9.5 | 27 | 27.0 | 48.0 | | 8.0 | | 58.7 | 33.6 | K | 8.5 | | 35.1 | 43.1 | K |
| 9.4 | | 36.4 | 1.5 | a | 9.4 | | 59.5 | 5.3 | | 8.6 | | 53.5 | 2.0 | | 9.5 | 47 | 46.2 | 51.2 | | 9.3 | | 42.2 | 49.0 | |
| 8.9 | | 45.7 | 25.4 | K | 9.5 | 7 | 20.9 | 46.8 | | 8.0 | 28 | 16.1 | 29.9 | K | 9.5 | | 55.6 | 10.6 | | 9.5 | | 45.4 | 16.4 | a |
| 9.2 | 46 | 19.3 | 49.0 | a | 8.8 | | 24.4 | 25.1 | | 9.4 | | 23.5 | 26.4 | | 8.6 | 48 | 0.5 | 46.3 | L | 9.4 | | 49.0 | 21.8 | |
| 9.5 | | 34.6 | 39.5 | | 9.5 | | 41.4 | 3.7 | | 9.3 | 29 | 1.4 | 28.5 | | 9.1 | | 47.5 | 27.8 | a | 9.5 | 11 | 37.9 | 29.4 | |
| 9.0 | 47 | 24.3 | 50.5 | Kb | 9.5 | | 54.6 | 25.0 | | 8.8 | | 2.4 | 42.9 | | 9.4 | | 51.0 | 55.2 | | 9.5 | | 52.4 | 39.6 | a |
| 8.8 | 48 | 5.7 | 32.3 | K | 9.4 | 8 | 15.3 | 48.8 | | 9.4 | | 3.6 | 20.4 | | 9.2 | 49 | 12.7 | 5.8 | a | 8.2 | 12 | 34.9 | 40.3 | K |
| 9.5 | | 7.3 | 8.0 | | 9.5 | | 20.4 | 13.0 | | 9.1 | | 9.7 | 56.8 | K | 8.5 | | 30.9 | 19.8 | | 8.4 | | 50.3 | 45.1 | K |
| 6.0 | | 12.1 | 25.1 | Kb | 9.5 | | 33.5 | 57.1 | | 9.5 | | 40.4 | 33.6 | | 9.0 | 50 | 17.1 | 36.0 | | 8.5 | 13 | 10.5 | 19.3 | |
| 9.5 | | 35.6 | 38.8 | | 9.5 | | 42.6 | 30.1 | | 9.5 | | 48.3 | 57.8 | | 9.1 | | 28.3 | 6.5 | a | 8.0 | | 46.3 | 56.9 | L |
| 9.5 | | 38.7 | 31.8 | | 9.5 | | 47.2 | 41.6 | | 8.9 | 30 | 16.2 | 13.6 | | 9.5 | | 33.3 | 20.2 | | 9.2 | | 49.8 | 52.4 | B |
| 8.9 | | 58.5 | 49.1 | R | 9.3 | 9 | 17.0 | 14.9 | | 9.2 | | 56.3 | 58.2 | B | 9.4 | | 42.1 | 15.0 | B | 9.4 | | 55.1 | 54.5 | |
| 7.8 | 49 | 27.9 | 13.1 | K | 9.5 | | 35.1 | 26.8 | | 9.5 | 31 | 2.9 | 18.1 | | 9.5 | 51 | 19.5 | 7.0 | | 8.6 | 14 | 17.2 | 58.3 | K |
| 9.4 | | 30.9 | 5.0 | | 9.0 | | 51.9 | 42.0 | | 9.0 | | 3.7 | 12.6 | | 8.5 | | 23.4 | 54.3 | K | 9.5 | | 21.4 | 6.5 | B |
| 9.5 | | 59.1 | 33.9 | | 8.3 | 10 | 21.5 | 8.2 | aK | 9.5 | | 18.9 | 42.2 | | 9.4 | 52 | 10.5 | 48.6 | B | 8.0 | | 51.9 | 24 | K |
| 9.2 | 50 | 18.6 | 7.7 | a | 9.5 | | 41.0 | 52.1 | | 9.0 | | 21.4 | 26.4 | | 9.5 | | 18.6 | 42.6 | | 8.5 | 15 | 5.1 | 23.8 | |
| 9.5 | | 22.2 | 46.6 | | 9.3 | 11 | 30.3 | 58.0 | B | 9.1 | 32 | 36.9 | 49.5 | a | 9.2 | | 26.2 | 14.5 | ab | 9.5 | 16 | 10.5 | 14.1 | |
| 9.5 | | 27.7 | 18.8 | | 4.7 | | 30.5 | 29.5 | K | 9.2 | 33 | 26.9 | 27.8 | b | 9.5 | | 40.6 | 30.5 | | 9.4 | | 14.5 | 3.5 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 31.94 | 3.28 | | 10pr. | | 32.53 | 3.22 | | 10pr. | | 33.08 | 3.12 | | 10pr. | | 33.64 | 3.00 | | 10pr. | | 34.19 | 2.85 | |

| 401—460 | | | | | 461—520 | | | | | 521—580 | | | | | 581—640 | | | | | 641—700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2° | | +26° | | | 2°—3° | | +26° | | | 3° | | +26° | | | 3° | | +26° | | | 3°—4° | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 16 | 40.7 | 17.3 | | 8.1 | 38 | 45.2 | 7.3 | K | 9.5 | 3 | 15.2 | 6.0 | | 9.1 | 28 | 6.2 | 48.6 | B | 9.5 | 46 | 58.0 | 30.0 | |
| 9.3 | | 50.7 | 55.6 | *a* | 9.5 | | 52.8 | 3.3 | *a* | 9.5 | | 34.0 | 15.8 | | 9.5 | | 12.0 | 57.6 | | 9.1 | 47 | 1.0 | 11.2 | Kb |
| 9.3 | | 53.7 | 8.8 | | 9.4 | 39 | 11.7 | 0.0 | | 6.2 | | 36.5 | 41.3 | K | 9.5 | | 15.1 | 2.2 | | 9.0 | | 30.4 | 58.0 | |
| 9.5 | 18 | 3.2 | 55.3 | | 9.5 | | 21.7 | 9.7 | | 9.4 | | 41.0 | 46.1 | | 9.1 | | 40.4 | 2.3 | *b* | 9.3 | | 40.2 | 34.5 | |
| 9.5 | | 5.0 | 30.4 | D | 8.1 | | 35.8 | 28.3 | K | 9.3 | | 47.4 | 56.7 | K | 9.5 | 29 | 40.3 | 12.6 | | 8.9 | | 43.0 | 19.0 | |
| 9.4 | | 19.5 | 51.0 | | 9.5 | | 46.9 | 33.0 | | 9.5 | 5 | 12.0 | 53.3 | | 9.4 | | 54.0 | 13.3 | *a* | 9.1 | | 50.0 | 52.2 | *a* |
| 9.0 | | 27.5 | 27.6 | B | 8.8 | 40 | 9.7 | 1.8 | K | 9.5 | | 51.0 | 46.8 | | 9.5 | 30 | 10.5 | 33.5 | | 9.5 | 48 | 7.3 | 33.4 | |
| 9.5 | | 40.1 | 2.7 | | 9.0 | 41 | 14.0 | 8.0 | | 9.5 | 6 | 21.0 | 43.0 | | 9.5 | | 38.7 | 11.4 | | 8.3 | | 11.0 | 4.9 | K |
| 6.5 | | 44.9 | 21.4 | K | 9.0 | | 18.9 | 29.3 | | 9.4 | | 47.7 | 4.1 | | 9.0 | | 42.0 | 22.1 | | 9.5 | | 36.5 | 58.0 | |
| 9.0 | 19 | 5.1 | 19.0 | K | 9.0 | | 20.6 | 38.9 | K | 8.1 | | 56.5 | 22.0 | K | 8.5 | | 45.3 | 45.5 | Kb | 9.0 | | 45.3 | 21.7 | |
| 9.0 | | 15.7 | 40.0 | | 3.7 | | 27.9 | 40.3 | K | 9.5 | 7 | 38.0 | 30.2 | | 9.0 | | 57.4 | 25.9 | L | 9.5 | | 53.6 | 8.1 | |
| 9.5 | | 21.6 | 31.0 | | 9.5 | | 30.0 | 20.2 | | 9.5 | 8 | 4.0 | 8.3 | | 9.4 | 31 | 10.2 | 14.3 | D | 9.4 | | 58.5 | 35.4 | |
| 9.1 | 20 | 3.8 | 20.4 | *a* | 9.5 | | 36.8 | 26.2 | | 9.5 | | 32.9 | 54.0 | | 9.5 | | 13.5 | 54.2 | | 9.5 | 49 | 2.2 | 56.9 | |
| 9.5 | | 13.2 | 9.3 | | 8.3 | 43 | 9.0 | 1.1 | | 8.6 | | 53.5 | 20.4 | Kb | 9.2 | | 22.4 | 7.9 | B | 9.0 | | 31.0 | 19.6 | K |
| 9.3 | | 15.1 | 43.1 | | 8.0 | | 20.3 | 41.0 | L | 8.8 | 9 | 25.2 | 53.3 | L | 8.8 | | 24.1 | 31.3 | K | 6.8 | 50 | 17.4 | 46.8 | L |
| 8.6 | | 28.7 | 36.2 | K | 8.5 | | 38.7 | 29.6 | Kb | 9.5 | | 31.5 | 25.9 | B | 8.3 | | 28.4 | 24.8 | K | 9.3 | | 50.8 | 9.3 | |
| 9.5 | | 39.8 | 3.9 | | 9.3 | | 53.4 | 34.8 | | 8.8 | | 39.5 | 22.7 | K | 8.8 | | 32.4 | 22.8 | K | 9.5 | 51 | 14.8 | 42.3 | |
| 9.0 | | 56.1 | 17.9 | L | 9.0 | 44 | 30.2 | 56.7 | K | 9.4 | | 47.6 | 58.2 | | 9.5 | 32 | 23.9 | 1.2 | | 9.5 | | 21.1 | 39.2 | |
| 9.5 | 21 | 51.1 | 21.4 | | 9.5 | | 43.3 | 23.5 | *a* | 8.5 | 10 | 23.0 | 10.2 | K | 9.5 | | 28.5 | 33.9 | B | 9.1 | | 21.8 | 34.8 | *b* |
| 8.9 | 22 | 0.0 | 51.4 | | 7.3 | 45 | 28.6 | 10.0 | K | 6.0 | 11 | 16.0 | 32.3 | Kb | 9.5 | 33 | 19.0 | 20.1 | | 9.5 | | 38.8 | 23.4 | *a* |
| 9.4 | | 22.2 | 13.8 | | 8.6 | | 41.1 | 22.4 | L | 9.5 | | 59.4 | 3.0 | | 7.7 | | 45.5 | 6.9 | Kb | 9.5 | 52 | 4.9 | 3.7 | |
| 9.5 | | 57.3 | 35.5 | | 8.0 | 46 | 48.4 | 21.4 | K | 7.9 | | 59.5 | 23.8 | K | 9.4 | 34 | 5.8 | 26.7 | | 9.5 | | 9.0 | 38.5 | |
| 9.1 | 23 | 6.7 | 15.6 | *a* | 9.5 | | 55.0 | 20.4 | ? | 8.8 | 12 | 45.0 | 46.1 | K | 9.5 | | 13.1 | 19.1 | | 9.4 | | 32.3 | 23.2 | B |
| 7.3 | | 7.4 | 55.1 | K | 7.7 | 47 | 4.2 | 16.9 | Kb | 9.2 | | 59.1 | 2.5 | | 9.0 | | 48.4 | 5.3 | | 9.5 | 53 | 4.7 | 9.7 | |
| 8.4 | 25 | 16.5 | 43.9 | K | 9.0 | | 15.6 | 23.1 | | 9.2 | 13 | 45.6 | 24.8 | | 9.5 | | 59.6 | 1.4 | | 8.8 | | 5.3 | 0.2 | |
| 9.3 | | 40.2 | 46.8 | *a* | 9.5 | 48 | 40.0 | 43.7 | | 9.5 | 14 | 14.1 | 50.6 | | 9.5 | 35 | 13.9 | 41.5 | | 9.2 | | 24.3 | 46.1 | Bb |
| 8.9 | | 44.5 | 38.9 | L | 9.1 | | 41.3 | 31.3 | *a* | 8.5 | | 18.0 | 7.5 | L | 8.2 | | 18.3 | 56.5 | K | 9.3 | | 51.9 | 40.9 | |
| 9.5 | 26 | 9.7 | 34.8 | | 9.3 | | 53.9 | 9.3 | | 7.0 | | 25.9 | 21.7 | L | 8.5 | 36 | 29.6 | 25.6 | | 9.5 | 54 | 3.8 | 12.7 | |
| 9.4 | | 54.2 | 44.2 | B | 9.1 | 49 | 35.0 | 44.7 | *a* | 9.5 | | 47.6 | 12.4 | | 9.5 | | 39.0 | 2.7 | | 8.8 | 55 | 7.5 | 4.8 | K |
| 9.4 | 27 | 18.0 | 41.2 | | 9.5 | | 41.5 | 58.0 | *a* | 8.3 | | 50.1 | 52.9 | K | 9.2 | | 52.2 | 2.4 | B | 9.2 | | 9.1 | 42.7 | |
| 9.5 | | 37.7 | 12.7 | | 8.9 | | 41.8 | 45.0 | | 9.5 | 16 | 3.2 | 23.9 | | 9.2 | | 53.9 | 14.0 | | 9.1 | | 22.5 | 26.9 | *b* |
| 7.8 | | 43.8 | 33.1 | R | 9.4 | 50 | 10.0 | 43.7 | | 9.5 | | 37.5 | 10.8 | *B* | 9.3 | 37 | 7.3 | 33.9 | | 9.3 | | 31.1 | 49.0 | |
| 8.0 | | 50.9 | 49.3 | K | 8.3 | | 20.5 | 11.1 | | 9.5 | 17 | 37.3 | 30.5 | *a* | 9.5 | | 14.1 | 4.7 | | 9.5 | | 33.4 | 18.1 | B |
| 9.1 | | 53.1 | 54.4 | *a* | 8.6 | | 49.5 | 44.1 | K | 9.2 | | 37.7 | 50.7 | | 9.5 | | 14.8 | 26.7 | | 9.3 | 56 | 19.7 | 50.6 | |
| 9.5 | 28 | 20.1 | 48.9 | | 8.6 | 51 | 16.5 | 43.7 | K | 9.2 | | 44.6 | 19.8 | *b* | 9.1 | | 19.7 | 54.5 | *a* | 8.4 | 57 | 11.7 | 8.5 | K |
| 9.5 | | 32.8 | 56.8 | | 8.4 | | 25.0 | 18.6 | K | 9.5 | 18 | 17.2 | 5.5 | | 9.5 | 38 | 47.4 | 32.8 | | 9.3 | | 30.1 | 0.6 | |
| 8.7 | | 49.9 | 28.9 | K | 9.1 | 52 | 30.0 | 13.5 | | 9.5 | | 17.2 | 12.5 | | 8.0 | 39 | 34.7 | 8.2 | K | 9.5 | | 31.5 | 38.8 | |
| 8.0 | 30 | 2.9 | 53.7 | K | 9.5 | | 37.0 | 25.0 | B | 9.5 | 19 | 31.8 | 3.4 | | 9.4 | 40 | 22.5 | 11.9 | | 9.5 | 58 | 24.0 | 42.0 | |
| 9.0 | | 23.7 | 19.0 | | 9.5 | | 46.2 | 1.6 | *a* | 9.5 | 20 | 13.8 | 47.4 | B | 9.2 | | 56.1 | 10.7 | K | 9.3 | | 25.9 | 21.8 | |
| 9.2 | 31 | 37.7 | 27.9 | | 9.3 | | 55.3 | 1.4 | | 9.2 | | 24.0 | 53.9 | | 9.1 | | 58.9 | 54.3 | | 9.5 | | 57.3 | 27.5 | |
| 9.2 | | 38.6 | 35.5 | R | 9.4 | 53 | 0.4 | 24.8 | B | 9.4 | | 41.9 | 43.6 | B | 9.2 | 41 | 4.0 | 20.7 | | 9.5 | 59 | 2.8 | 5.6 | |
| 9.5 | 32 | 11.6 | 36.9 | | 9.5 | | 42.6 | 55.4 | | 9.5 | | 55.1 | 4.7 | *a* | 9.5 | | 12.8 | 12.4 | | 8.9 | | 25.0 | 36.5 | |
| 5.5 | | 13.7 | 26.2 | K | 7.2 | | 50.5 | 2.9 | K | 9.5 | 21 | 22.7 | 5.7 | B | 9.5 | | 37.8 | 56.1 | | 9.5 | 0 | 9.2 | 11.2 | |
| 9.0 | | 38.5 | 13.8 | K | 9.2 | | 53.1 | 20.8 | | 9.5 | | 26.3 | 53.0 | | 9.0 | | 58.4 | 37.9 | K | 8.5 | | 17.1 | 43.3 | K |
| 9.1 | | 42.1 | 4.1 | B | 9.2 | 54 | 3.1 | 15.3 | B | 8.7 | | 37.6 | 30.4 | Kb | 9.2 | 42 | 3.0 | 58.4 | | 9.3 | 1 | 14.0 | 4.9 | |
| 9.5 | 33 | 13.1 | 27.5 | | 9.5 | 55 | 8.3 | 54.0 | *a* | 8.2 | 22 | 18.7 | 36.6 | K | 9.5 | | 21.3 | 20.3 | | 5.8 | 2 | 1.2 | 5.4 | Kb |
| 8.0 | | 14.7 | 19.3 | K | 9.5 | | 42.5 | 58.8 | | 9.1 | | 43.0 | 44.7 | Bb | 9.4 | | 43.1 | 46.7 | | 8.6 | | 22.8 | 7.5 | K |
| 9.5 | | 30.2 | 49.2 | | 9.5 | | 52.5 | 26.5 | | 9.5 | 23 | 51.8 | 14.0 | | 9.5 | | 57.7 | 13.7 | | 9.5 | | 38.9 | 18.5 | |
| 9.2 | | 51.2 | 53.9 | | 9.5 | 58 | 29.2 | 24.5 | *b* | 9.3 | | 53.1 | 52.4 | B | 9.5 | 43 | 2.8 | 40.9 | | 8.9 | | 46.0 | 33.0 | |
| 9.3 | 34 | 1.4 | 29.3 | | 9.5 | | 37.0 | 4.0 | | 9.3 | 25 | 49.3 | 18.1 | | 9.4 | | 19.6 | 48.8 | B | 9.1 | 3 | 4.2 | 45.6 | |
| 7.6 | | 37.3 | 22.2 | K | 9.5 | 0 | 16.2 | 49.2 | B | 9.1 | 26 | 5.0 | 40.1 | | 9.2 | | 24.0 | 31.3 | | 9.4 | | 4.8 | 47.3 | |
| 8.8 | 35 | 0.5 | 18.4 | | 9.5 | | 48.5 | 24.1 | | 8.2 | | 15.6 | 6.7 | K | 8.5 | | 51.1 | 17.5 | | 9.1 | | 44.0 | 10.7 | *a* |
| 9.3 | | 26.1 | 33.5 | | 9.3 | | 52.9 | 8.2 | | 9.1 | | 22.3 | 6.0 | *a* | 7.5 | 44 | 12.5 | 14.2 | | 9.4 | 4 | 8.4 | 43.6 | |
| 8.7 | | 34.9 | 26.0 | B | 9.1 | 1 | 4.0 | 23.1 | | 8.3 | | 36.3 | 21.5 | K | 9.5 | | 24.1 | 38.6 | *a* | 9.5 | | 10.9 | 4.0 | |
| 8.6 | 37 | 2.5 | 29.4 | B | 9.5 | | 49.5 | 5.8 | | 9.5 | | 49.4 | 4.4 | | 9.3 | | 56.2 | 11.0 | | 9.5 | | 16.1 | 16.7 | |
| 9.1 | | 22.7 | 25.2 | *a* | 6.0 | | 51.5 | 20.5 | K | 9.5 | | 51.3 | 39.0 | B | 7.3 | 45 | 3.8 | 27.9 | R | 9.5 | | 27.5 | 23.2 | |
| 9.1 | | 42.7 | 48.3 | *a* | 9.5 | | 52.7 | 37.3 | | 9.5 | 27 | 18.6 | 50.8 | | 9.5 | | 20.3 | 55.9 | | 9.5 | | 32.6 | 58.5 | |
| 8.5 | | 53.4 | 26.2 | K | 9.5 | 2 | 10.8 | 55.4 | | 9.3 | | 19.9 | 11.0 | *a* | 9.5 | | 48.0 | 54.5 | | 9.4 | | 52.1 | 2.0 | |
| 9.1 | 38 | 7.7 | 50.3 | *a* | 8.4 | | 53.5 | 17.9 | K | 8.9 | | 23.7 | 51.5 | B | 9.2 | | 55.4 | 5.7 | | 9.5 | 5 | 22.0 | 58.8 | |
| 9.3 | | 19.9 | 4.8 | B | 9.5 | | 55.3 | 33.4 | | 9.5 | | 46.8 | 22.9 | B | 8.5 | 46 | 18.1 | 38.2 | K | 9.1 | | 54.0 | 5.7 | *ab* |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *34.71* | *2.67* | | *10pr.* | | *35.21* | *2.46* | | *10pr.* | | *35.74* | *2.21* | | *10pr.* | | *36.13* | *1.95* | | *10pr.* | | *36.42* | *1.73* | |

701—760

| m | 4ʰ | | +26° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 5 | 54.6 | 17.1 | |
| 9.4 | 6 | 53.0 | 59.6 | |
| 9.3 | 7 | 11.7 | 3.5 | |
| 9.5 | | 19.0 | 10.9 | |
| 9.3 | | 34.2 | 26.4 | |
| 9.5 | 8 | 16.2 | 56.6 | |
| 9.4 | | 35.9 | 30.3 | |
| 9.3 | | 53.7 | 43.3 | |
| 9.1 | 9 | 47.9 | 14.1 | *a b* |
| 9.2 | | 50.9 | 1.0 | |
| 9.5 | 11 | 14.0 | 2.4 | |
| 8.9 | | 22.9 | 59.6 | K |
| 9.5 | 12 | 16.3 | 1.7 | *a* |
| 9.3 | | 53.6 | 56.1 | B |
| 9.5 | 13 | 36.4 | 9.9 | |
| 8.2 | 14 | 12.5 | 53.0 | *B* |
| 9.2 | | 48.4 | 52.1 | |
| 9.5 | 15 | 55.5 | 23.5 | |
| 9.5 | 17 | 18.2 | 28.5 | |
| 9.5 | 18 | 26.6 | 11.2 | *a b* |
| 9.5 | 20 | 9.4 | 11.4 | B |
| 9.0 | | 35.0 | 21.3 | *b* |
| 9.5 | | 36.3 | 9.6 | |
| 8.7 | | 44.2 | 56.7 | K |
| 9.4 | 21 | 55.5 | 52.7 | |
| 9.5 | 22 | 55.3 | 4.8 | |
| 9.5 | 23 | 38.1 | 8.5 | *b* |
| 9.1 | 25 | 57.3 | 53.9 | *b* |
| 8.8 | 27 | 47.1 | 57.4 | |
| 8.3 | | 49.3 | 50.2 | K |
| 7.0 | 29 | 34.2 | 38.6 | K |
| 9.2 | 30 | 52.3 | 53.7 | |
| 9.3 | 31 | 57.1 | 44.7 | |
| 9.5 | 32 | 34.4 | 6.9 | |
| 8.6 | | 58.2 | 41.9 | K |
| 9.2 | 33 | 9.5 | 46.5 | |
| 9.1 | 34 | 28.8 | 44.4 | *b* |
| 9.5 | 35 | 19.2 | 7.2 | |
| 9.5 | | 29.3 | 5.9 | |
| 9.5 | | 45.6 | 49.4 | B |
| 9.5 | 36 | 16.1 | 10.7 | |
| 9.3 | | 18.0 | 42.3 | |
| 9.4 | | 18.4 | 12.2 | |
| 9.5 | | 43.2 | 21.5 | |
| 9.5 | | 58.3 | 55.7 | |
| 9.1 | 37 | 6.4 | 2.1 | *b* |
| 9.5 | | 46.6 | 1.8 | |
| 9.3 | 38 | 56.1 | 16.4 | |
| 9.4 | 39 | 13.6 | 45.9 | B |
| 7.8 | | 22.0 | 42.7 | K |
| 9.5 | | 29.3 | 44.9 | B |
| 7.6 | 40 | 8.5 | 45.4 | K |
| 9.5 | 41 | 13.6 | 41.3 | |
| 9.5 | | 56.0 | 53.7 | |
| 9.4 | 42 | 46.0 | 36.9 | |
| 8.9 | | 48.2 | 31.2 | B |
| 8.5 | 43 | 5.4 | 39.5 | |
| 8.5 | | 31.8 | 47.1 | |
| 7.3 | 44 | 0.0 | 31.6 | K |
| 9.5 | | 37.3 | 10.0 | |
| | | + | + | |
| 10pr. | | 36.86 | 1.30 | |

761—820

| m | 4ʰ—5ʰ | | +26° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.3 | 45 | 18.7 | 34.5 | *a* |
| 8.7 | | 36.6 | 31.1 | B |
| 9.5 | 46 | 7.8 | 4.4 | |
| 7.4 | | 34.9 | 57.4 | K |
| 9.5 | 48 | 3.0 | 7.3 | |
| *9.3 | | 49.1 | 23.0 | |
| 9.0 | 49 | 10.7 | 4.8 | |
| 9.5 | | 13.3 | 23.9 | |
| 9.3 | | 14.6 | 13.5 | |
| 9.5 | | 50.4 | 23.0 | |
| 8.5 | 50 | 41.7 | 2.5 | K |
| 9.5 | 51 | 0.9 | 57.0 | |
| 9.5 | 52 | 20.2 | 31.5 | |
| 7.8 | | 21.0 | 20.3 | K |
| 7.2 | | 46.6 | 27.5 | K |
| 8.7 | | 48.2 | 25.6 | K*b* |
| 9.5 | 54 | 56.3 | 6.7 | |
| 9.3 | 55 | 20.6 | 54.2 | R |
| 9.3 | | 33.2 | 13.7 | |
| 7.5 | | 49.5 | 30.7 | K |
| 8.8 | | 49.8 | 41.3 | |
| 9.0 | 56 | 19.0 | 13.0 | K*b* |
| 6.5 | | 55.5 | 13.4 | K |
| 9.5 | 57 | 23.1 | 26.2 | |
| 8.6 | | 32.6 | 17.9 | K |
| 9.5 | | 52.8 | 32.7 | |
| 8.3 | 58 | 5.1 | 48.5 | K |
| 9.5 | | 52.2 | 58.2 | |
| 8.0 | | 59.1 | 8.0 | K |
| 9.5 | 59 | 19.7 | 15.2 | B |
| 9.5 | | 49.0 | 30.5 | |
| 9.5 | 0 | 14.8 | 18.0 | |
| 9.1 | | 52.6 | 18.2 | *a* |
| 8.9 | 1 | 2.1 | 32.4 | |
| 9.0 | | 3.2 | 33.8 | K |
| 7.0 | 3 | 24.1 | 17.2 | K |
| 8.3 | | 37.3 | 5.9 | K*b* |
| 9.5 | 5 | 16.2 | 54.0 | |
| 9.0 | 6 | 52.1 | 57.8 | |
| 8.7 | 7 | 22.0 | 56.2 | K*b* |
| 9.5 | | 45.5 | 9.9 | B |
| 9.4 | 8 | 40.7 | 35.4 | |
| 9.5 | | 49.3 | 8.0 | |
| 9.5 | | 54.1 | 53.7 | |
| 8.8 | 10 | 47.9 | 5.9 | K |
| 8.9 | | 49.2 | 55.8 | |
| 9.0 | 11 | 44.7 | 53.0 | |
| 9.5 | | 53.4 | 37.0 | |
| 8.8 | 13 | 1.5 | 53.4 | |
| 9.5 | | 16.2 | 2.3 | *b* |
| 9.5 | | 57.9 | 54.1 | B |
| 9.5 | 14 | 51.2 | 58.5 | |
| 9.3 | 15 | 11.6 | 37.5 | *b* |
| 9.5 | 16 | 6.9 | 19.3 | |
| 9.2 | | 35.5 | 41.6 | |
| 9.5 | 17 | 1.3 | 39.0 | |
| 8.9 | | 34.6 | 52.5 | |
| 9.5 | | 55.0 | 50.9 | *a* |
| 8.8 | 18 | 5.8 | 27.2 | K |
| 9.4 | | 6.5 | 40.5 | |
| | | + | + | |
| 10pr. | | 37.16 | 0.88 | |

821—880

| m | 5ʰ | | +26° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 8.9 | 18 | 45.9 | 0.4 | K*b* |
| 9.5 | | 56.1 | 1.8 | |
| 9.3 | 19 | 0.3 | 32.8 | |
| 9.5 | | 55.4 | 7.9 | |
| 9.3 | 20 | 12.8 | 40.0 | |
| 8.3 | | 40.7 | 49.1 | K |
| 9.0 | | 41.8 | 59.2 | |
| 9.2 | 21 | 37.2 | 39.2 | |
| 8.5 | 22 | 0.9 | 28.0 | K |
| 9.5 | | 19.9 | 23.3 | |
| 9.2 | | 25.5 | 10.5 | K*b* |
| 9.5 | | 36.6 | 40.1 | |
| 9.4 | | 46.8 | 15.6 | |
| 7.7 | | 55.0 | 34.2 | K |
| 7.3 | 23 | 23.9 | 52.5 | L |
| 9.4 | | 28.8 | 56.9 | |
| 9.3 | | 32.9 | 1.6 | |
| 8.7 | | 35.6 | 11.5 | K |
| 9.0 | | 40.0 | 40.4 | K |
| 9.3 | | 40.3 | 58.7 | |
| 8.2 | | 45.1 | 38.1 | K |
| 9.4 | 24 | 11.2 | 25.0 | |
| 9.5 | | 14.9 | 24.6 | |
| 9.5 | | 23.2 | 26.2 | |
| 9.5 | | 35.5 | 27.8 | B |
| 8.9 | | 37.4 | 25.5 | K |
| 9.0 | | 46.7 | 23.0 | |
| 9.1 | | 48.3 | 17.1 | *a* |
| 9.4 | 25 | 0.3 | 39.9 | |
| 7.7 | | 9.6 | 46.7 | K |
| 9.4 | | 13.2 | 42.0 | |
| 9.4 | | 23.3 | 57.3 | |
| 9.5 | | 39.7 | 58.1 | |
| 9.4 | | 41.4 | 59.2 | |
| 9.5 | | 48.3 | 33.7 | |
| 8.0 | | 55.2 | 52.5 | K |
| 9.3 | | 56.8 | 40.4 | |
| 8.8 | 26 | 2.1 | 27.2 | K |
| 9.5 | | 8.0 | 7.2 | |
| 9.4 | | 19.4 | 14.6 | |
| 9.5 | | 29.1 | 26.2 | |
| 9.4 | | 40.3 | 43.7 | |
| 9.5 | 27 | 1.5 | 46.7 | |
| 8.4 | | 2.8 | 10.2 | K |
| 9.1 | | 2.9 | 3.8 | *a* |
| 9.0 | | 18.7 | 15.4 | K |
| 9.5 | | 23.5 | 53.4 | |
| 9.5 | | 51.8 | 17.3 | |
| 9.3 | 28 | 4.8 | 51.6 | |
| 6.7 | | 6.2 | 49.6 | K |
| 9.3 | | 12.4 | 27.6 | |
| 9.3 | | 16.8 | 26.6 | |
| 9.3 | | 27.8 | 33.4 | |
| 9.4 | | 32.5 | 44.2 | |
| 9.4 | | 38.4 | 40.1 | |
| 8.3 | | 39 6 | 7.7 | K |
| 9.5 | | 47.5 | 37.6 | |
| 9.5 | 29 | 10.7 | 12.9 | |
| 8.9 | | 13.9 | 49.7 | K |
| 9.5 | | 25.5 | 2.3 | |
| | | + | + | |
| 10pr. | | 37.31 | 0.51 | |

881—940

| m | 5ʰ | | +26° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 29 | 28.4 | 13.7 | |
| 9.2 | | 43.3 | 40.1 | |
| 8.9 | | 53.7 | 13.5 | K |
| 6.8 | | 56.4 | 31.8 | K |
| 9.2 | 30 | 8.2 | 17.0 | |
| 9.4 | | 17.3 | 50.2 | |
| *9.5 | | 29.6 | 14.1 | |
| 9.5 | | 30.5 | 29.7 | |
| 9.4 | | 33.3 | 54.9 | |
| 9.2 | | 56.3 | 38.8 | K |
| 9.5 | | 57.9 | 17.3 | |
| 9.5 | | 58.5 | 48.7 | |
| 9.5 | 31 | 15.9 | 56.5 | |
| 9.5 | | 28.9 | 9.1 | |
| 9.5 | | 32.8 | 51.4 | |
| 9.5 | | 33.5 | 52.8 | |
| 9.5 | | 36.3 | 2.5 | |
| 9.4 | | 38.0 | 32.9 | |
| 8.9 | | 42.7 | 55.0 | B |
| 9.5 | | 50.6 | 5.7 | |
| 9.0 | 32 | 4.4 | 3.0 | |
| 8.6 | | 5.1 | 57.6 | K |
| 8.0 | | 35.0 | 31.9 | L |
| 8.9 | | 44.5 | 56.9 | K |
| 8.5 | | 51.9 | 10.7 | L |
| 8.6 | | 57.8 | 12.2 | L |
| 8.9 | 33 | 20.9 | 50.5 | K |
| 8.3 | | 22.5 | 22.1 | K |
| 8.8 | | 32.8 | 59.9 | K |
| 9.2 | | 39.4 | 15.8 | |
| 9.3 | | 45.8 | 14.6 | |
| 9.1 | | 46.4 | 55.8 | |
| 9.4 | | 59.0 | 1.7 | |
| 9.5 | 34 | 3.7 | 5.1 | |
| 9.5 | | 9.6 | 8.6 | |
| 9.4 | | 18.8 | 4.2 | |
| 9.5 | | 21.8 | 54.8 | |
| 9.5 | | 24.5 | 0.7 | |
| 9.5 | | 30.7 | 49.4 | |
| 8.5 | | 31.3 | 13.8 | K |
| 9.5 | | 32.1 | 30.1 | |
| 8.3 | | 32.8 | 19.6 | K |
| 9.5 | | 40.8 | 53.7 | |
| 9.1 | | 42.2 | 12.7 | *a* |
| 9.1 | | 43.6 | 44.7 | B |
| 9.3 | | 45.5 | 23.5 | *a* |
| 8.8 | | 48.3 | 21.3 | K |
| 9.4 | 35 | 2.2 | 49.9 | |
| 9.0 | | 4.8 | 41.5 | K |
| 9.2 | | 9.9 | 56.1 | K |
| 8.9 | | 24.0 | 50.0 | K |
| 9.3 | | 24.3 | 25.3 | |
| 9.3 | | 29.5 | 18.1 | |
| 9.5 | | 33.0 | 53.9 | B |
| 9.4 | | 36.2 | 37.6 | |
| 9.5 | | 41.9 | 44.5 | |
| 7.4 | | 55.1 | 16.3 | *B* |
| 9.5 | 36 | 0.3 | 26.0 | |
| 9.5 | | 10.0 | 20.6 | |
| 9.2 | | 18.8 | 44.8 | |
| | | + | + | |
| 10pr. | | 37.34 | 0.38 | |

941—1000

| m | 5ʰ | | +26° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.4 | 36 | 23.2 | 21.6 | |
| 9.1 | | 31.5 | 45.1 | K |
| 9.2 | | 42.0 | 29.7 | |
| 8.9 | | 52.3 | 2.8 | |
| 9.5 | | 57.9 | 3.9 | |
| 9.4 | 37 | 8.1 | 12.9 | |
| 9.5 | | 18.6 | 40.1 | |
| 8.9 | | 19.7 | 0.5 | K |
| 9.5 | | 26.2 | 5.1 | |
| 9.1 | | 46.5 | 56.2 | |
| 9.4 | | 59.8 | 17.9 | |
| 9.5 | 38 | 1.6 | 31.7 | |
| 9.3 | | 9.8 | 2.6 | *a* |
| 9.5 | | 21.3 | 20.3 | |
| 8.6 | | 35.2 | 51.9 | |
| 9.5 | | 42.5 | 6.5 | |
| 9.4 | | 57.4 | 30.2 | |
| 9.5 | 39 | 5.6 | 53.0 | |
| 8.9 | | 16.3 | 56.7 | K |
| 9.4 | | 19.7 | 47.3 | |
| 9.5 | | 27.0 | 35.5 | |
| 9.5 | | 39.2 | 17.6 | |
| 9.0 | | 39.7 | 0.5 | K |
| 9.5 | | 40.8 | 48.8 | |
| 9.5 | 40 | 3.0 | 11.5 | |
| 9.4 | | 18.6 | 54.0 | |
| 9.1 | | 25.4 | 19.9 | K |
| 9.2 | | 36.8 | 11.9 | |
| 9.5 | | 37.4 | 53.4 | |
| 9.5 | 41 | 9.3 | 12.9 | |
| 8.9 | | 10.3 | 54.9 | K*b* |
| 9.3 | | 18.8 | 56.8 | |
| 9.5 | | 28.9 | 13.5 | |
| 9.4 | | 30.2 | 50.0 | |
| 7.8 | | 48.2 | 0.3 | K |
| 9.4 | 42 | 19.8 | 29.2 | |
| 9.3 | | 24.1 | 27.1 | |
| 9.5 | | 39.6 | 2.5 | |
| 9.4 | | 43.0 | 22.8 | |
| 9.5 | | 51.3 | 58.9 | |
| 9.0 | 43 | 22.6 | 28.5 | |
| 9.4 | | 41.9 | 3.7 | |
| 9.5 | | 42.9 | 15.9 | |
| 9.4 | | 44.2 | 25.0 | |
| 8.1 | 44 | 4.1 | 24.5 | *B* |
| 9.5 | | 4.8 | 52.3 | |
| 8.9 | | 5.7 | 0.5 | |
| 9.5 | | 21.2 | 6.5 | |
| 8.9 | | 36.3 | 34.5 | |
| 8.9 | | 45.2 | 23.1 | |
| 9.1 | | 51.4 | 54 5 | *b* |
| 8.3 | | 58.3 | 23.1 | K |
| 9.4 | 45 | 8.3 | 8.7 | |
| 9.4 | | 8.4 | 28.5 | |
| 8.8 | | 16.8 | 36.1 | K |
| 9.5 | | 24.0 | 42.9 | |
| 9.5 | | 53.3 | 47.5 | |
| 9.5 | | 55.2 | 52.4 | |
| 9.5 | | 55.7 | 57.6 | |
| 9.5 | 46 | 4.5 | 25.9 | |
| | | + | + | |
| 10pr. | | 37.36 | 0.27 | |

765 *a*

| 9.5 | 48 | 10.4 | 42.5 | B |
|---|---|---|---|---|

887 *a*

| var | 30 | 29.6 | 17.1 | |
|---|---|---|---|---|

| 1001—1060 | | | | | 1061—1120 | | | | | 1121—1180 | | | | | 1181—1240 | | | | | 1241—1300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ʰ | | +26° | | | 5ʰ—6ʰ | | +26° | | | 6ʰ | | +26° | | | 6ʰ | | +26° | | | 6ʰ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.9 | 46 | 24.6 | 8.4 | | 9.5 | 56 | 26.2 | 12.2 | | 9.3 | 2 | 35.5 | 8.4 | | 8.9 | 10 | 45.7 | 43.7 | | 9.5 | 19 | 38.4 | 9.3 | B |
| 9.5 | | 31.2 | 36.3 | | 9.4 | | 34.8 | 31.9 | | 8.3 | | 36.7 | 43.0 | R | 9.5 | | 56.0 | 4.6 | | 9.5 | | 43.7 | 47.8 | |
| 8.9 | | 37.8 | 26.9 | K | 9.5 | | 36.6 | 38.2 | | 9.2 | | 41.9 | 27.2 | K | 9.4 | | 59.0 | 24.5 | | 9.3 | 20 | 10.9 | 45.6 | |
| 9.3 | | 46.8 | 17.8 | | 9.4 | | 50.6 | 12.8 | | 9.2 | | 43.8 | 17.1 | | 9.0 | 11 | 28.0 | 54.6 | a | 9.5 | | 11.3 | 51.3 | |
| 9.5 | 47 | 21.2 | 7.0 | | 9.5 | | 53.6 | 36.8 | | 8.7 | | 44.5 | 0.8 | K | 8.3 | | 28.7 | 37.6 | | 9.5 | | 23.2 | 2.0 | |
| 9.3 | | 25.4 | 13.4 | | 9.2 | | 53.7 | 36.2 | B | 8.8 | | 45.6 | 27.9 | K | 9.5 | | 30.1 | 43.0 | a | 9.5 | | 44.8 | 26.1 | |
| 9.4 | | 47.0 | 4.5 | | 8.9 | | 55.0 | 34.5 | | 8.5 | 3 | 1.4 | 30.3 | K | 8.9 | | 47.2 | 32.7 | | 9.3 | 21 | 14.6 | 27.8 | |
| 9.5 | | 48.3 | 48.7 | | 9.1 | | 56.7 | 37.0 | | 9.4 | | 1.6 | 9.6 | | 9.5 | | 53.1 | 2.6 | | 9.1 | | 20.2 | 14.1 | Bb |
| 9.5 | | 56.4 | 30.5 | | 9.5 | 57 | 4.9 | 45.8 | | 9.5 | | 3.8 | 7.1 | | 9.5 | 12 | 2.3 | 56.1 | | 9.4 | | 21.3 | 36.5 | |
| 9.5 | 48 | 14.0 | 57.2 | | 9.0 | | 10.6 | 1.7 | K | 9.4 | | 6.2 | 42.6 | | 9.3 | | 8.0 | 3.5 | | 9.5 | | 28.7 | 4.7 | B |
| 8.0 | | 15.8 | 49.7 | L | 9.4 | | 13.5 | 55.0 | | 9.5 | | 20.3 | 22.6 | | 9.0 | | 9.5 | 29.3 | ✓B | 9.4 | | 36.4 | 40.2 | |
| 9.3 | | 18.7 | 11.9 | | 9.5 | | 15.7 | 5.2 | | 9.5 | | 39.0 | 4.6 | | 9.4 | | 17.5 | 39.2 | | 9.4 | | 42.5 | 56.5 | |
| 9.2 | | 32.8 | 59.7 | | 9.5 | | 20.8 | 16.6 | | 9.4 | | 43.4 | 48.1 | B | 9.5 | | 36.2 | 42.4 | | 9.5 | | 46.4 | 2.5 | |
| 9.4 | | 33.4 | 40.1 | | 7.6 | | 22.3 | 32.0 | Lb | 9.5 | | 47.6 | 58.0 | | 9.5 | | 56.5 | 0.9 | | 8.0 | | 48.7 | 44.1 | B |
| 9.2 | | 55.4 | 10.6 | a | 9.2 | | 33.3 | 20.4 | R | 9.3 | 4 | 15.0 | 34.2 | | 9.5 | 13 | 5.1 | 22.9 | | 9.3 | | 50.3 | 2.1 | B |
| 9.3 | | 56.5 | 43.7 | | 9.5 | | 39.1 | 42.7 | R | 9.5 | | 17.5 | 44.1 | | 9.4 | | 11.4 | 50.6 | | 9.5 | 22 | 7.2 | 11.1 | |
| 9.5 | 49 | 15.4 | 25.2 | | 9.5 | | 42.5 | 11.2 | | 9.4 | | 22.4 | 20.4 | | 9.5 | | 12.7 | 57.5 | | 9.5 | | 8.3 | 9.5 | |
| 8.8 | | 17.8 | 10.6 | | 9.1 | | 54.5 | 49.6 | | 9.4 | | 27.3 | 57.6 | | 9.2 | | 14.1 | 12.8 | K | 9.3 | | 47.8 | 5.6 | |
| 9.5 | | 20.4 | 17.7 | | 7.5 | | 59.9 | 40.5 | L | 9.0 | | 28.5 | 29.5 | | 9.2 | | 20.5 | 29.1 | | 9.0 | | 57.0 | 56.9 | |
| 9.4 | | 26.7 | 47.1 | | 9.4 | 58 | 3.5 | 29.7 | a | 9.5 | | 38.4 | 40.9 | | 9.0 | | 22.5 | 49.6 | L | 9.5 | 23 | 2.2 | 49.7 | |
| 9.5 | | 31.5 | 39.7 | | 9.5 | | 15.5 | 8.8 | | 9.5 | 5 | 1.1 | 43.6 | | 8.3 | | 23.4 | 44.6 | K | 8.2 | | 14.7 | 17.2 | K |
| 9.3 | | 33.8 | 20.3 | | 7.0 | | 17.0 | 41.8 | L | 9.5 | | 13.9 | 25.3 | | 9.3 | | 52.1 | 23.6 | | 9.5 | | 31.8 | 6.1 | |
| 9.5 | | 34.8 | 6.0 | | 9.2 | | 20.6 | 17.7 | | 9.5 | | 23.0 | 34.3 | | 9.3 | | 57.6 | 28.0 | | 9.3 | | 45.5 | 29.1 | |
| 9.5 | | 51.2 | 10.9 | | 9.3 | | 26.1 | 2.5 | | 9.3 | | 37.9 | 59.9 | | 8.1 | 14 | 0.2 | 3.3 | K | 9.2 | | 49.2 | 52.1 | K |
| 9.5 | | 54.8 | 27.7 | | 9.5 | | 38.2 | 36.2 | | 9.2 | | 56.9 | 58.4 | | 8.7 | | 33.3 | 51.4 | K | 9.3 | 24 | 4.1 | 23.2 | |
| 9.4 | 50 | 38.4 | 31.3 | | 8.5 | | 39.8 | 26.3 | K | 9.5 | 6 | 4.1 | 23.1 | | 8.6 | | 49.4 | 9.7 | K | 9.4 | | 6.3 | 59.6 | |
| 9.1 | 51 | 17.3 | 47.5 | a | 9.5 | | 49.9 | 59.8 | | 9.3 | | 11.7 | 27.1 | | 9.3 | | 59.9 | 25.7 | | 8.6 | | 23.2 | 42.9 | |
| 9.5 | | 30.0 | 28.8 | | 7.8 | | 55.9 | 24.8 | K | 9.0 | | 12.2 | 42.7 | | 9.3 | 15 | 11.6 | 8.2 | | 9.5 | | 26.5 | 9.6 | |
| 9.4 | | 37.8 | 35.9 | | 9.5 | 59 | 0.7 | 40.0 | | 9.5 | | 36.0 | 6.9 | | 9.3 | | 16.8 | 6.5 | | 9.5 | | 29.9 | 5.4 | |
| 9.5 | | 41.6 | 53.9 | | 9.0 | | 10.9 | 30.7 | K | 8.5 | | 50.7 | 27.7 | | 9.4 | | 21.3 | 15.7 | B | 9.4 | | 38.8 | 36.5 | |
| 8.7 | | 44.3 | 41.0 | | 9.5 | | 11.0 | 12.9 | | 8.7 | 7 | 17.9 | 45.5 | K | 9.5 | | 24.8 | 46.3 | | 9.2 | | 53.8 | 46.1 | |
| 9.3 | | 45.3 | 16.8 | | 9.3 | | 25.4 | 34.3 | | 9.4 | | 23.9 | 45.5 | | 9.4 | | 37.9 | 25.3 | | 8.9 | 25 | 0.2 | 52.8 | K |
| 9.5 | 52 | 10.0 | 49.2 | | 9.5 | | 27.1 | 51.3 | | 9.5 | | 24.7 | 50.9 | | 9.2 | | 47.1 | 58.1 | | 9.5 | | 12.4 | 19.9 | |
| 8.9 | | 18.8 | 43.8 | K | 8.8 | | 29.4 | 30.3 | K | 9.5 | | 28.5 | 28.8 | | 9.2 | | 48.0 | 57.8 | | 9.5 | | 25.2 | 32.7 | |
| 9.5 | | 35.6 | 42.8 | | 9.5 | | 33.0 | 41.8 | | 9.4 | | 29.8 | 12.9 | B | 9.0 | 16 | 15.6 | 7.6 | K | 9.5 | | 34.9 | 0.7 | |
| 9.5 | 53 | 1.8 | 24.0 | | 9.3 | | 40.0 | 6.1 | | 8.2 | | 49.2 | 32.5 | B | 9.5 | | 42.6 | 38.0 | | 9.2 | | 43.9 | 35.2 | |
| 9.4 | | 11.5 | 31.4 | | 9.4 | | 44.1 | 31.7 | a | 9.5 | 8 | 3.3 | 52.0 | | 9.5 | | 43.7 | 52.3 | | 9.3 | | 45.2 | 12.0 | |
| 9.5 | | 20.7 | 51.9 | | 9.4 | | 50.5 | 35.2 | | 9.5 | | 4.3 | 32.0 | | 9.5 | | 49.8 | 6.1 | | 9.4 | 26 | 12.9 | 36.2 | |
| 8.6 | | 26.1 | 25.2 | | 9.0 | | 58.6 | 27.8 | K | 9.3 | | 8.0 | 24.1 | | 9.4 | | 58.6 | 38.7 | | 9.5 | | 24.4 | 0.1 | |
| 9.3 | | 30.8 | 3.0 | | 9.2 | | 59.5 | 42.5 | | 9.4 | | 9.3 | 28.1 | B | 9.4 | 17 | 4.9 | 25.1 | | 9.5 | | 30.9 | 15.4 | |
| 9.4 | | 32.2 | 8.2 | | 9.5 | 0 | 18.3 | 32.7 | | 9.5 | | 13.3 | 51.3 | | 9.5 | | 19.6 | 38.2 | | 9.4 | | 38.4 | 30.3 | |
| 9.0 | | 37.9 | 9.7 | | 9.5 | | 28.2 | 11.8 | | 9.5 | | 22.0 | 4.8 | | 8.9 | | 23.0 | 12.9 | B | 9.5 | | 47.5 | 43.9 | |
| 9.4 | | 48.0 | 5.0 | | 9.4 | | 33.4 | 25.4 | | 9.5 | | 43.2 | 32.0 | | 9.5 | | 30.0 | 17.6 | | 9.2 | | 50.8 | 5.6 | |
| 8.9 | 54 | 25.2 | 7.2 | K | 9.1 | | 33.4 | 30.9 | B | 8.7 | | 44.4 | 25.1 | | 9.5 | | 35.6 | 8.4 | | 9.5 | 27 | 1.3 | 40.4 | |
| 8.9 | | 26.1 | 16.3 | R | 9.3 | | 35.7 | 21.9 | | 9.4 | | 46.4 | 30.0 | | 9.5 | | 58.3 | 1.4 | | 9.4 | | 3.0 | 34.3 | |
| 7.2 | | 31.6 | 31.5 | K | 9.4 | | 48.0 | 58.5 | | 9.1 | | 46.5 | 14.3 | | 9.3 | 18 | 8.8 | 0.4 | | 9.0 | | 3.9 | 50.3 | K |
| 9.4 | | 37.8 | 11.2 | | 9.4 | 1 | 0.0 | 45.2 | | 9.1 | | 47.0 | 15.2 | R | 9.2 | | 9.0 | 54.1 | K | 9.5 | | 5.6 | 54.5 | |
| 9.3 | | 40.6 | 20.4 | | 9.4 | | 5.4 | 10.4 | | 9.5 | | 55.7 | 10.0 | B | 9.5 | | 9.5 | 5.7 | | 9.5 | | 7.7 | 7.1 | |
| 8.9 | | 41.7 | 53.7 | | 9.3 | | 5.7 | 37.1 | | 8.0 | 9 | 5.0 | 29.0 | K | 9.1 | | 13.2 | 32.9 | ab | 9.4 | | 9.9 | 43.9 | B |
| 8.6 | | 42.9 | 44.3 | | 8.7 | | 8.7 | 26.8 | K | 9.4 | | 10.6 | 28.3 | | 9.1 | | 15.9 | 45.5 | a | 9.3 | | 14.1 | 9.5 | |
| 8.7 | | 50.6 | 21.3 | K | 8.6 | | 13.3 | 31.0 | K | 9.2 | | 13.0 | 54.2 | | 9.3 | | 22.8 | 5.7 | | 9.3 | | 15.2 | 47.6 | |
| 9.5 | 55 | 10.9 | 3.2 | | 9.3 | | 15.5 | 54.9 | | 9.5 | | 33.8 | 36.2 | | 9.4 | | 29.6 | 28.6 | | 9.0 | | 16.1 | 23.1 | K |
| 9.5 | | 31.3 | 5.1 | | 9.1 | | 19.1 | 22.8 | R | 9.5 | | 34.8 | 56.1 | | 9.0 | | 30.0 | 1.1 | | 9.3 | | 27.4 | 50.3 | |
| 9.5 | | 43.0 | 54.6 | | 9.3 | | 28.8 | 59.6 | B | 9.2 | | 38.4 | 50.1 | | 9.3 | | 34.0 | 56.8 | a | 9.5 | | 51.8 | 46.3 | |
| 9.4 | | 56.6 | 8.3 | | 9.3 | | 29.0 | 14.6 | | 9.5 | 10 | 5.4 | 30.6 | | 9.5 | | 38.2 | 39.2 | B | 9.5 | 28 | 0.0 | 34.0 | |
| 8.6 | 56 | 1.3 | 4.4 | K | 8.7 | | 35.6 | 28.1 | K | 9.5 | | 6.2 | 22.2 | | 9.4 | | 46.5 | 28.9 | | 9.3 | | 34.5 | 29.3 | |
| 9.5 | | 16.0 | 45.3 | | 7.4 | | 52.1 | 2.9 | K | 8.8 | | 12.9 | 1.8 | K | 9.4 | | 51.3 | 21.7 | | 9.2 | | 47.7 | 2.2 | |
| 9.5 | | 19.8 | 5.2 | | 9.2 | 2 | 4.9 | 24.9 | | 9.0 | | 13.5 | 58.4 | | 9.3 | 19 | 17.6 | 28.1 | | 9.2 | | 50.2 | 32.7 | |
| 9.5 | | 27.0 | 13.5 | | 9.1 | | 25.4 | 40.2 | | 8.9 | | 38.6 | 18.0 | | 9.2 | | 21.8 | 16.0 | | 9.3 | 29 | 2.1 | 11.2 | B |
| 9.4 | | 28.9 | 18.1 | B | 8.8 | | 34.6 | 28.6 | K | 9.5 | | 42.8 | 25.9 | | 9.3 | | 37.9 | 45.6 | | 8.7 | | 38.7 | 37.7 | |
| | | + | + | | | | + | + | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 37.38 | 0.12 | | 10pr. | | 37.39 | 0.01 | | 10pr. | | 37.38 | 0.11 | | 10pr. | | 37.37 | 0.23 | | 10pr. | | 37.35 | 0.36 | |

1301—1360

| m | 6ʰ | +26° | |
|---|---|---|---|
| 9.5 | 29′ 42.6″ | 6.0 | |
| 8.9 | 42.9 | 25.4 | |
| 9.5 | 56.6 | 53.8 | |
| 9.3 | 58.1 | 43.9 | |
| 9.5 | 30 22.4 | 30.3 | |
| 9.0 | 30.9 | 15.0 | |
| 9.5 | 57.2 | 38.2 | |
| 9.0 | 57.4 | 30.8 | |
| 9.0 | 31 16.1 | 22.8 | Kb |
| 9.3 | 30.3 | 1.3 | |
| 9.3 | 38.5 | 19.6 | |
| 9.5 | 39.6 | 49.0 | |
| 9.5 | 43.5 | 19.1 | |
| 9.5 | 50.9 | 15.4 | |
| 9.5 | 51.2 | 52.2 | |
| 9.5 | 57.2 | 42.8 | |
| 8.2 | 32 0.2 | 48.5 | K |
| 9.5 | 26.3 | 1.4 | |
| 9.4 | 26.4 | 26.3 | |
| 9.2 | 26.9 | 54.5 | K |
| 9.3 | 45.6 | 34.0 | |
| 9.0 | 53 4 | 26.1 | |
| 9.5 | 33 1.2 | 0.9 | |
| 9.3 | 3.5 | 4.9 | |
| 9.5 | 5.3 | 37.5 | |
| 9.3 | 5.3 | 44.6 | |
| 9.3 | 14.1 | 19.4 | |
| 9.3 | 14.4 | 46.3 | |
| 9.4 | 16.3 | 32.7 | |
| 9.2 | 23.0 | 53.8 | K |
| 9.3 | 45.5 | 35.1 | a |
| 9.0 | 51.7 | 33.3 | |
| 9.2 | 52.7 | 33.5 | |
| 9.2 | 55.3 | 12.3 | |
| 9.5 | 34 4.4 | 0.9 | |
| 9.5 | 30.2 | 13.6 | B |
| 9.4 | 35.0 | 40.6 | |
| 9.1 | 43.8 | 21.8 | |
| 9.5 | 53.1 | 13.1 | |
| 9.4 | 35 6.2 | 28.7 | |
| 9.4 | 30.8 | 42.5 | |
| 9.0 | 43.1 | 16.6 | K |
| 9.5 | 44.1 | 8.2 | |
| 9.2 | 36 12.3 | 27.5 | |
| 8.5 | 32.6 | 24.0 | K |
| 8.8 | 44.5 | 55.7 | K |
| 9.5 | 51.7 | 12.7 | |
| 9.5 | 37 32.7 | 14.5 | |
| 9.5 | 53.3 | 57.9 | |
| 8.6 | 38 6.7 | 27.1 | L |
| 8.5 | 9.8 | 43.3 | Kb |
| 9.5 | 16.0 | 55.0 | |
| 9.2 | 20.0 | 54.0 | a |
| 9.5 | 24.8 | 27.8 | |
| 8.5 | 29.1 | 16.5 | K |
| 9.3 | 59.0 | 29.2 | |
| 9.5 | 39 3.0 | 18.2 | |
| 8.8 | 7.1 | 52.5 | S |
| 9.5 | 25.4 | 57.6 | a |
| 9.5 | 39.7 | 51.1 | |
| | + | — | |
| 10pr. | 37.31 | 0.49 | |

1361—1420

| m | 6ʰ | +26° | |
|---|---|---|---|
| 9.2 | 39′ 46.3″ | 27.8 | |
| 9.5 | 40 10.3 | 51.5 | |
| 9.5 | 30.2 | 14.0 | |
| 9.5 | 34.2 | 4.5 | |
| 9.1 | 34.3 | 31.2 | |
| 9.5 | 41 14.3 | 58.1 | |
| 9.5 | 23.3 | 3.3 | |
| 9.3 | 34.7 | 3.7 | |
| 9.5 | 39.1 | 48.0 | |
| 8.0 | 48.3 | 28.2 | K |
| 8.7 | 42 2.3 | 4.2 | L |
| 9.5 | 27.8 | 11.4 | |
| 9.0 | 31.3 | 50.5 | Kb |
| 9.2 | 52.6 | 27.0 | B |
| 8.1 | 53.4 | 34 6 | L |
| 8.8 | 43 3.7 | 22.1 | |
| 9.4 | 17.8 | 29.5 | a |
| 9.5 | 28.9 | 46.1 | B |
| 9.5 | 47.5 | 57.1 | |
| 9.5 | 55.5 | 34.7 | |
| 9.5 | 44 2.2 | 38.3 | |
| 9.5 | 42.8 | 52.3 | |
| 9.2 | 50.4 | 1.9 | |
| 9.5 | 45 10.8 | 40.5 | |
| 9.3 | 17.9 | 2.8 | |
| 9.4 | 19.6 | 8.6 | |
| 7.5 | 28.5 | 43.3 | K |
| 8.8 | 55.7 | 17.0 | K |
| 9.5 | 59.0 | 50.7 | |
| 8.5 | 46 6.5 | 24.9 | K |
| 9.5 | 16.5 | 49.8 | |
| 9.0 | 18.5 | 42.6 | |
| 9.2 | 46.5 | 6.3 | |
| 9.5 | 53.0 | 48.5 | |
| 9.5 | 59.4 | 5.2 | |
| 9.0 | 47 18.7 | 9.0 | K |
| 9.5 | 26.1 | 40.9 | |
| 9.0 | 40.5 | 0.3 | |
| 9.5 | 52.3 | 55.6 | |
| 9.2 | 48 13.0 | 52.1 | a |
| 9.0 | 13.4 | 1.2 | |
| 9.5 | 39.1 | 1.8 | |
| 9.5 | 40.5 | 55.6 | |
| 8.8 | 53.0 | 44.4 | |
| 6.2 | 49 51.0 | 15.8 | R |
| 9.5 | 56.8 | 41.3 | |
| 9.0 | 58.0 | 21.0 | |
| 9.4 | 50 11.0 | 29.0 | |
| 9.0 | 13.0 | 35.8 | |
| 8.6 | 17.3 | 5.3 | |
| 6.5 | 31.4 | 5.8 | Rb |
| 8.8 | 32.0 | 13.9 | |
| 9.5 | 34.6 | 54.6 | a |
| 9.5 | 34.9 | 50.2 | B |
| 9.5 | 59.5 | 30.7 | |
| 9.5 | 51 11.0 | 38.5 | |
| 9.5 | 14.6 | 2.0 | |
| 9.5 | 17.8 | 37.5 | B |
| 9.5 | 34.5 | 32.3 | |
| 9.4 | 42.9 | 19.4 | |
| | + | — | |
| 10pr. | 37.25 | 0.67 | |

1421—1480

| m | 6ʰ—7ʰ | +26° | |
|---|---|---|---|
| 9.5 | 51′ 52.3″ | 44.3 | |
| 9.5 | 56.0 | 11.8 | |
| 9.1 | 52 3.3 | 25.9 | B |
| 8.9 | 14.5 | 21.8 | K |
| 9.1 | 25.0 | 29.3 | K |
| 8.6 | 26.0 | 25.9 | K |
| 8.4 | 35.0 | 46.4 | K |
| 9.5 | 37.8 | 13.4 | |
| 9.5 | 42.3 | 59.4 | |
| 9.5 | 51.3 | 52.8 | |
| 8.9 | 53 0.0 | 47.2 | |
| 9.5 | 0.1 | 39.1 | |
| 9.3 | 13.0 | 38.3 | B |
| 9.5 | 18.5 | 19.1 | |
| 8.0 | 26.0 | 4.2 | K |
| 9.5 | 55.5 | 15.2 | |
| 9.5 | 57.3 | 0.1 | |
| 9.4 | 54 2.0 | 11.8 | a |
| 9.5 | 16.6 | 59.0 | |
| 8.9 | 17.7 | 52.4 | K |
| 9.4 | 20.6 | 0.6 | B |
| 9.2 | 55 5.7 | 30.8 | B |
| 9.3 | 5.7 | 12.0 | B |
| 9.3 | 7.0 | 24.4 | |
| 9.1 | 12.5 | 49 5 | |
| 8.5 | 17.0 | 33.4 | |
| 9.0 | 20.0 | 22.1 | |
| 9.5 | 56 25.7 | 44.6 | |
| 9.5 | 30.3 | 58.3 | |
| 9.5 | 42.8 | 49.1 | |
| 8.9 | 47.5 | 21.4 | K |
| 9.5 | 51.0 | 42.3 | |
| 8.3 | 57 8.1 | 1.8 | K |
| 9.5 | 16.3 | 36.5 | |
| 9.3 | 22.5 | 27.9 | |
| 9.4 | 24.5 | 19.3 | |
| 9.3 | 49.8 | 50.8 | |
| 9.5 | 51.2 | 30.0 | |
| 9.5 | 58 21.8 | 23.9 | B |
| 9.5 | 23.6 | 23.6 | B |
| 9.5 | 30.0 | 6.7 | |
| 9.3 | 52.3 | 21.1 | B |
| 8.9 | 59 47.5 | 51.0 | K |
| 8.8 | 54.5 | 58.6 | |
| 9.5 | 0 0.2 | 45.4 | |
| 9.2 | 7.5 | 56.4 | K |
| 9.5 | 9.1 | 6.6 | |
| 9.4 | 17.5 | 24.8 | |
| 9.0 | 34.0 | 52.0 | |
| 7.7 | 41.6 | 44.3 | K |
| 8.5 | 1 7.5 | 25.6 | |
| 9.2 | 14.6 | 1.2 | |
| 9.5 | 14.6 | 50.7 | |
| 9.5 | 21.2 | 44.4 | |
| 9.5 | 44.5 | 24.1 | |
| 9.5 | 54.9 | 8.4 | |
| 9.4 | 57.6 | 33.4 | a |
| 9.3 | 2 7.7 | 40.3 | B |
| 9.5 | 25.7 | 35.1 | B |
| 9.5 | 30.3 | 7.8 | |
| | + | — | |
| 10pr. | 37.18 | 0.82 | |

1481—1540

| m | 7ʰ | +26° | |
|---|---|---|---|
| 7.0 | 2′ 32.0″ | 38.5 | K |
| 8.9 | 47.6 | 50.6 | K |
| 9.5 | 55.5 | 28.2 | |
| 9.1 | 3 4.0 | 19.7 | |
| 8.7 | 22.1 | 3.5 | |
| 9.5 | 31.0 | 53.1 | a |
| 7.8 | 33.0 | 49.5 | K |
| 9.1 | 55.1 | 20.3 | |
| 9.3 | 4 3.8 | 45.3 | |
| 9.5 | 50.6 | 14.5 | |
| 9.5 | 51.5 | 6.6 | |
| 9.0 | 5 0.0 | 43.1 | |
| 9.3 | 28.5 | 38.2 | |
| 8.9 | 32.9 | 9.0 | |
| 8.8 | 47.4 | 53.4 | K |
| 9.5 | 54.7 | 7.3 | |
| 8.5 | 6 6.5 | 14.5 | |
| 8.2 | 13.0 | 7.8 | R |
| 9.5 | 31.8 | 8.7 | |
| 9.4 | 47.7 | 52.8 | |
| 9.3 | 51.2 | 23.6 | B |
| 9.1 | 52.5 | 46.1 | |
| 9.3 | 54.6 | 7.2 | |
| 9.5 | 7 3.0 | 0.4 | |
| 9.3 | 23.6 | 12.2 | B |
| 9.3 | 27.6 | 27.9 | |
| 9.4 | 44.5 | 16.5 | |
| 6.5 | 8 4.0 | 56.7 | Kb |
| 9.5 | 14.0 | 47.5 | |
| 7.5 | 17.5 | 37.4 | K |
| 9.5 | 49.5 | 9.4 | |
| 7.6 | 58.0 | 35.4 | K |
| 9.4 | 9 2.4 | 13.2 | |
| 9.1 | 9.0 | 48.5 | |
| 9.5 | 9.8 | 41.7 | |
| 8.9 | 20.5 | 50.3 | |
| 8.0 | 59.7 | 12.0 | B |
| 9.5 | 10 10.0 | 20.0 | |
| 9.5 | 12.8 | 2.6 | |
| 9.5 | 43.0 | 9.7 | |
| 9.5 | 11 10.0 | 21.0 | |
| 9.4 | 22.5 | 17.3 | |
| 9.2 | 31.5 | 58.8 | |
| 9.5 | 42.9 | 1.7 | |
| 8.3 | 56.6 | 52.6 | K |
| 9.5 | 12 2.0 | 17.3 | |
| 9.5 | 15.4 | 25.9 | |
| 8.0 | 18.5 | 45.4 | K |
| 9.4 | 26.2 | 30.1 | B |
| 9.5 | 29.0 | 15.1 | B |
| 7.9 | 36.7 | 25.5 | K |
| 8.2 | 45.6 | 7.4 | K |
| 9.3 | 47.4 | 15.6 | B |
| 9.2 | 47.5 | 11.5 | |
| 8.8 | 49.8 | 12.5 | K |
| 9.5 | 13 25.5 | 13.5 | |
| 9.4 | 38.6 | 47.2 | |
| 9.5 | 47.0 | 47.9 | |
| 9.1 | 14 10.8 | 41.5 | B |
| 9.5 | 10.8 | 45.7 | |
| | + | — | |
| 10pr. | 37.09 | 0.99 | |

1541—1600

| m | 7ʰ | +26° | |
|---|---|---|---|
| 9.5 | 14′ 42.0″ | 15.5 | |
| 8.8 | 46.5 | 32.0 | K |
| 9.5 | 15 23.1 | 10.0 | |
| 9.5 | 27.3 | 1.7 | B |
| 9.1 | 34.0 | 13.8 | |
| 9.5 | 41.2 | 57.9 | |
| 8.8 | 51.0 | 54.3 | B |
| 9.3 | 52.3 | 50.3 | |
| 9.5 | 53.2 | 32.0 | |
| 9.3 | 16 13.0 | 22.8 | |
| 9.1 | 16.5 | 47.8 | |
| 8.7 | 47.8 | 53.8 | |
| 9.5 | 17 15.5 | 42.0 | |
| 8.5 | 23.3 | 12.8 | K |
| 9.3 | 24.0 | 31.3 | |
| 9.5 | 45.9 | 55.5 | |
| 9.4 | 18 4.5 | 43.3 | |
| 9.2 | 9.5 | 38.5 | |
| 9.5 | 24.5 | 36.1 | |
| 9.5 | 28.7 | 43.6 | |
| 9.0 | 41.8 | 4.8 | |
| 9.3 | 42.5 | 7.5 | |
| 8.9 | 59.6 | 26.6 | K |
| 7.3 | 19 4.6 | 30.6 | K |
| 9.3 | 24.2 | 59.4 | |
| 8.9 | 55.5 | 53.7 | K |
| 9.5 | 20 8.6 | 0.0 | |
| 9.3 | 37.0 | 28.3 | |
| 9.5 | 21 0.7 | 8.0 | |
| 9.3 | 5.1 | 4.2 | |
| 9.1 | 31.6 | 12.6 | |
| 9.3 | 36.5 | 46.5 | |
| 8.7 | 36.7 | 3.7 | Kb |
| 9.3 | 50.9 | 40.0 | B |
| 9.3 | 56.5 | 1.0 | K |
| 9.3 | 22 5.9 | 29.3 | |
| 9.1 | 12.8 | 42.7 | a |
| 9.5 | 31.3 | 59.9 | |
| 9.0 | 42.0 | 45.1 | |
| 8.5 | 47.4 | 5.9 | K |
| 9.4 | 23 21.0 | 59.9 | |
| 9.5 | 29.5 | 45.8 | |
| 9.5 | 41.4 | 0.8 | |
| 8.8 | 44.8 | 28.3 | |
| 9.0 | 46.3 | 8.8 | |
| 9.1 | 52.8 | 35.1 | a |
| 8.7 | 24 1.2 | 48.4 | Kb |
| 7.8 | 18.0 | 23.8 | K |
| 8.3 | 21.0 | 45.8 | K |
| 8.7 | 27.2 | 1.8 | |
| 9.0 | 42.7 | 18.0 | |
| 9.1 | 25 2.6 | 27.1 | |
| 9.3 | 30.1 | 48.9 | B |
| 9.5 | 45.4 | 49.2 | B |
| 9.5 | 51.3 | 24.5 | |
| 9.3 | 53.6 | 52.9 | |
| 9.0 | 56.0 | 50.4 | B |
| 9.3 | 26 2.4 | 30.3 | B |
| 9.5 | 11.5 | 2.5 | |
| 9.4 | 21.6 | 32.3 | |
| | + | — | |
| 10pr. | 36.97 | 1.16 | |

| 1601—1660 | | | | | 1661—1720 | | | | | 1721—1780 | | | | | 1781—1840 | | | | | 1841—1900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ʰ | | +26° | | | 7ʰ | | +26° | | | 7ʰ—8ʰ | | +26° | | | 8ʰ | | +26° | | | 8ʰ | | +26° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 8.4 | 26 | 24.8 | 54.4 | K | 8.7 | 42 | 20.7 | 43.6 | K | 9.5 | 58 | 43.9 | 39.5 | | 9.4 | 17 | 29.3 | 17.5 | | 9.3 | 38 | 54.8 | 14.4 | |
| 9.3 | | 33.5 | 15.1 | | 9.4 | | 45.6 | 8.3 | | 9.1 | | 59.6 | 46.7 | K | 8.5 | | 30.0 | 59.1 | K | 9.3 | 39 | 11.4 | 29.0 | |
| 9.0 | | 33.5 | 53.0 | K | 9.4 | 43 | 4.4 | 33.2 | | 9.4 | 59 | 0.0 | 55.8 | | 9.5 | | 31.3 | 24.8 | B | 9.0 | | 14.0 | 4.3 | |
| 9.4 | | 55.9 | 35.3 | B | 9.5 | | 47.8 | 50.1 | | 9.5 | 0 | 3.4 | 14.0 | | 9.4 | | 47.5 | 11.0 | *a* | 9.2 | | 17.3 | 59.7 | |
| 8.9 | 27 | 15.5 | 31.3 | | 8.8 | | 56.4 | 18.1 | *Kb* | 9.5 | | 28.3 | 15.7 | | 9.5 | | 55.3 | 19.4 | | 9.1 | | 20.0 | 3.5 | *a* |
| 9.5 | | 25.4 | 52.4 | | 9.5 | 44 | 9.7 | 12.3 | | 9.4 | | 35.9 | 41.2 | | 9.0 | 18 | 32.9 | 12.0 | | 9.2 | 40 | 50.5 | 31.4 | |
| 8.9 | | 29.0 | 10.3 | | 9.3 | | 28.0 | 52.5 | | 9.1 | | 42.4 | 44.3 | | 9.3 | 19 | 35.1 | 40.3 | | 9.2 | | 50.9 | 58.1 | |
| 9.5 | | 30.7 | 22.7 | | 8.0 | | 51.8 | 56.1 | K | 6.8 | 1 | 26.8 | 15.8 | L | 9.5 | 20 | 13.9 | 8.9 | | 8.4 | 41 | 31.0 | 53.7 | *Kb* |
| 9.5 | | 45.6 | 10.4 | | 9.5 | 45 | 6.4 | 56.6 | | 9.2 | | 31.8 | 17.1 | *a* | 7.0 | 21 | 6.3 | 40.5 | K | 9.4 | 42 | 22.5 | 28.8 | |
| 9.0 | 28 | 6.3 | 1.9 | K | 9.5 | | 15 3 | 29.9 | | 8.7 | | 31.9 | 18.9 | B | 9.5 | | 28.6 | 24.2 | | 9.4 | | 36.9 | 10.5 | |
| 9.0 | | 13.5 | 10.1 | K | 9.5 | | 22.0 | 0.3 | B | 9.2 | | 37.5 | 49.8 | | 9.3 | | 54.1 | 44.7 | | 9.5 | | 37.4 | 35.7 | |
| 9.4 | | 27.9 | 25.8 | B | 9.1 | | 35.4 | 56.3 | | 9.4 | | 59.0 | 50.7 | | 8.5 | 22 | 14.0 | 30.2 | L | 9.0 | | 37.6 | 50.3 | |
| 9.4 | 29 | 9.0 | 48.5 | | 8.5 | | 37.6 | 32.7 | K | 9.2 | 2 | 35.0 | 12.0 | K | 8.3 | | 29.2 | 38.8 | K | 9.5 | 43 | 7.2 | 2.8 | |
| 9.2 | | 13.8 | 54.0 | | 9.5 | | 45.4 | 27.8 | B | 9.5 | | 52.2 | 55.7 | | 7.5 | | 34.8 | 13.6 | K | 8.5 | | 21.8 | 15.9 | L |
| 9.2 | | 33.6 | 10.1 | | 8.9 | | 47.0 | 25.3 | K | 9.4 | | 57.6 | 9.0 | | 9.5 | 23 | 34.6 | 56.9 | | 7.5 | | 24.8 | 15.4 | L |
| 9.4 | | 41.3 | 14.1 | B | 9.0 | | 49.8 | 27.4 | K | 9.4 | 3 | 25.7 | 22.4 | | 8.9 | | 48.4 | 26.2 | | 9.5 | | 28.5 | 27.5 | |
| 9.1 | | 45.0 | 36.8 | *b* | 9.4 | 46 | 11.3 | 2.0 | | 9.4 | | 35.9 | 25.2 | B | 9.5 | | 57.7 | 8.5 | | 9.3 | | 39.9 | 8.7 | |
| 9.2 | | 58.2 | 5.2 | *a* | 9.5 | | 11.7 | 46.8 | | 9.5 | | 42.4 | 7.1 | | 8.9 | | 58.0 | 3.7 | | 9.5 | | 57.0 | 6.0 | |
| 9.3 | 30 | 28.3 | 8.5 | | 9.5 | | 35.1 | 56.0 | | 9.5 | | 45.9 | 26.2 | | 9.3 | 24 | 15.0 | 2.8 | | 9.4 | 44 | 10.8 | 4.4 | |
| 9.2 | | 58.8 | 3.5 | K | 9.4 | | 35.7 | 45.2 | | 9.5 | | 47.9 | 29.0 | | 9.5 | | 19.4 | 10.7 | | 9.3 | | 21.4 | 32.0 | |
| 9.4 | 31 | 1.1 | 7.3 | | 9.5 | 47 | 27.3 | 40.5 | | 9.3 | | 52.2 | 18.9 | | 9.0 | | 21.9 | 46.8 | K | 9.3 | | 44.1 | 36.2 | |
| 9.3 | | 10.0 | 48.5 | | 9.5 | | 37.4 | 14.7 | | 8.5 | | 55.1 | 40.6 | L | 9.4 | | 45.6 | 0.4 | | 9.5 | 45 | 8.8 | 26.3 | |
| 9.2 | | 11.9 | 36.1 | | 9.5 | | 54.8 | 20.2 | | 9.3 | | 59.1 | 2.7 | B | 8.4 | 25 | 39.3 | 0.4 | | 9.4 | | 52.7 | 19.4 | |
| 9.0 | | 25.5 | 40.6 | K | 8.2 | | 58.4 | 29.2 | L | 9.2 | | 59.1 | 16.5 | | 9.4 | | 58.7 | 16.3 | *a* | 9.4 | 46 | 7.6 | 25.8 | |
| 8.5 | 32 | 25.0 | 13.5 | K | 9.5 | 48 | 28.1 | 27.8 | | 9.5 | 4 | 44.4 | 4.2 | | 9.3 | 26 | 29.2 | 16.9 | B | 6.7 | | 18.4 | 46.1 | K |
| 9 4 | | 46.0 | 20.4 | | 9.3 | | 50.9 | 1.1 | | 9.0 | | 54.4 | 7.0 | B | 8.5 | | 45.7 | 21.1 | L | 7.2 | | 49.9 | 57.7 | K |
| 9.5 | 33 | 1.0 | 21.8 | | 9.5 | | 53.0 | 42.6 | *a* | 9.4 | | 55.5 | 9.5 | | 9.5 | 27 | 36.9 | 55.6 | | 9.0 | | 54.3 | 39.1 | |
| 9.5 | | 24.4 | 11.6 | B | 9.5 | 49 | 6.4 | 22.0 | | 9.4 | 5 | 35.6 | 59.8 | | 9.5 | | 37.8 | 24.8 | | 9.5 | 47 | 32.4 | 21.6 | |
| 9.5 | | 39.5 | 26.6 | | 8.8 | | 50.3 | 24.6 | *Bb* | 9.2 | 6 | 9.5 | 1.0 | | 7.8 | 28 | 2.0 | 26.6 | K | 8.1 | | 34.0 | 54.9 | K |
| 9.0 | | 57.0 | 18.3 | K | 9.3 | | 53.4 | 35.0 | | 9.5 | | 21.5 | 2.7 | | 9.2 | | 4.1 | 51.8 | | 9.4 | 48 | 53 5 | 27.8 | *a* |
| 8.5 | 34 | 35.2 | 57.0 | | 9.3 | 50 | 6.4 | 25.0 | B | 9.3 | 7 | 21.6 | 40.7 | | 9.3 | | 14.9 | 4.6 | | 9.3 | | 53.8 | 40.1 | |
| 9.5 | | 48.7 | 22.8 | B | 9.3 | | 50.1 | 54.1 | | 9.5 | | 28.3 | 26.1 | | 9.5 | | 23.7 | 40.0 | | 9.5 | 49 | 15.2 | 43.8 | |
| 6.3 | 35 | 16.2 | 7.4 | K | 9.5 | 51 | 9.3 | 2.1 | | 9.4 | | 37.5 | 43.7 | | 9.4 | | 39.4 | 29.1 | | 7.7 | 50 | 23.0 | 29.0 | K |
| 9.4 | | 17.6 | 58.7 | B | 9.5 | | 31.1 | 41.9 | B | 9.2 | | 46.6 | 58.9 | B | 9.5 | 29 | 2.8 | 6.1 | | 9.5 | | 47.1 | 39.6 | |
| 9.5 | | 22.7 | 58.1 | | 9.5 | | 52.8 | 55.8 | | 9.5 | | 47.2 | 47.5 | | 7.8 | | 6.2 | 44.6 | L | 9.1 | 51 | 6.4 | 5.6 | B |
| 9.5 | | 42.5 | 18.0 | | 8.7 | | 58.0 | 1.5 | | 9.3 | | 59.2 | 56.9 | | 7.5 | | 29.7 | 33.7 | *Kb* | 9.0 | | 8.4 | 14.5 | L |
| 9.1 | | 46.8 | 47.5 | K | 9.0 | 52 | 4.5 | 1.1 | | 9.5 | 8 | 1.4 | 13.0 | | 9.5 | 30 | 30.2 | 45.7 | *a* | 7.3 | | 22.9 | 59.6 | K |
| 8.2 | 36 | 40.3 | 19.6 | K | 9.4 | | 22.1 | 41.7 | B | 9.5 | | 30.5 | 19.2 | | 9.5 | | 31.6 | 35.1 | | 9.4 | | 41.3 | 48.9 | *a* |
| 9.5 | | 50.7 | 39.1 | | 9.5 | | 24.6 | 50.5 | | 9.1 | | 32.1 | 49.5 | K | 9.2 | 31 | 20.0 | 23.6 | | 9.3 | | 42.7 | 49.4 | B |
| 8.8 | | 57.2 | 53.0 | | 9.5 | | 36.8 | 12.3 | | 7.0 | 9 | 23.0 | 52.6 | K | 9.3 | | 28.3 | 56.0 | | 9.3 | | 48.5 | 18.2 | |
| 9.5 | | 58.3 | 34.8 | | 9.2 | 53 | 0.0 | 55.1 | | 9.1 | 10 | 3.3 | 46.2 | K | 9.4 | | 29.5 | 2.0 | | 9.1 | 52 | 26.3 | 48.8 | |
| 9.2 | 37 | 44.1 | 36.7 | | 9.2 | | 2.5 | 7.1 | | 7.1 | | 10.0 | 47.2 | K | 8.7 | | 42.2 | 43.3 | K | 8.7 | | 29.6 | 27.1 | L |
| 9.5 | | 45.6 | 58.4 | | 9.3 | | 5.1 | 42.9 | | 9.5 | | 38.5 | 25.5 | | 8.7 | | 42.7 | 35.3 | B | 9.0 | 53 | 3.1 | 58.5 | |
| 9.5 | | 51.8 | 27.8 | | 9.5 | | 39.1 | 28.5 | | 8.8 | 11 | 16.8 | 49.9 | K | 9.2 | | 43.0 | 30.5 | | 8.2 | | 7.0 | 57.3 | |
| 9.2 | | 53.4 | 21.5 | K | 9.5 | | 48.4 | 33.0 | | 9.4 | | 41.1 | 37.9 | | 9.4 | | 45.3 | 9.0 | B | 8.7 | | 21.2 | 46.5 | S |
| 9.5 | 38 | 1.1 | 39.9 | | 9.5 | | 52.8 | 5.8 | B | 8.6 | 12 | 27.4 | 46.8 | K | 8.8 | | 54.1 | 17.3 | K | 9.0 | | 49.0 | 27.2 | B |
| 8.7 | | 5.8 | 22.4 | K | 7.5 | 54 | 30.4 | 40.2 | L | 9.4 | | 54.7 | 30.3 | | 9.3 | | 55.1 | 17.7 | *a* | 9.5 | | 53.4 | 38.6 | |
| 9.5 | | 54.8 | 20.6 | *a* | 9.1 | | 46.4 | 15.8 | | 8.4 | 13 | 29.1 | 22.4 | K | 9.5 | 32 | 33.7 | 51.1 | B | 9.2 | | 58.2 | 27.8 | *a* |
| 9.5 | 39 | 3.7 | 13.7 | | 9.1 | | 53.7 | 7.1 | | 9.5 | | 37.5 | 52.7 | | 9.5 | 33 | 1.6 | 17.7 | *a* | 7.0 | | 59.6 | 25.5 | L |
| 9.5 | | 13.5 | 59.2 | | 9.5 | | 58.9 | 56.0 | | 8.2 | | 59.7 | 10.6 | K | 9.3 | | 26.4 | 37.4 | *a* | 9.5 | 54 | 31.5 | 2.0 | |
| 9.5 | | 15.2 | 1.7 | | 8.9 | 56 | 11.8 | 10.3 | K | 9.1 | 14 | 3.4 | 41.3 | *a* | 9.5 | | 37.2 | 44.1 | | 8.7 | | 47.1 | 1.5 | K |
| 9.0 | | 25.1 | 19.2 | | 9.5 | | 29.5 | 7.2 | | 9.5 | | 4.8 | 54.8 | | 8.5 | 34 | 3.4 | 34.5 | K | 8.4 | 55 | 2.6 | 26.4 | K |
| 9.5 | | 53.4 | 4.9 | | 8.2 | | 45.4 | 31.2 | *Kb* | 9.4 | | 40.5 | 40.3 | | 9.2 | | 22.5 | 29.6 | *Kb* | 9.5 | | 33.5 | 57.5 | |
| 9.1 | 40 | 8.5 | 53.7 | *a* | 9.5 | | 51.6 | 20.9 | | 9.5 | 15 | 7.3 | 8.6 | | 9.5 | | 52.9 | 16.0 | | 9.4 | 56 | 23.6 | 55.7 | |
| 9.0 | | 45.8 | 40.8 | K | 9.5 | 57 | 9.5 | 41.1 | | 9.4 | | 10.1 | 58.1 | | 9.5 | 35 | 14.5 | 27.5 | | 7.8 | | 31.5 | 44.3 | *Bb* |
| 7.0 | | 56.2 | 37.4 | K | 9.0 | | 10.4 | 44.9 | B | 9.1 | | 12.5 | 53.3 | K | 9.2 | | 48.5 | 32.5 | *b* | 9.5 | | 45.1 | 11.1 | |
| 9.0 | | 57.4 | 32.6 | K | 9.0 | | 24.6 | 38.6 | | 9.4 | | 36.6 | 1.8 | | 9.5 | 36 | 16.7 | 48.5 | | 9.5 | 57 | 22.7 | 29.9 | |
| 9.0 | 41 | 6.8 | 53.8 | B | 8.5 | | 43.7 | 17.5 | | 8.3 | | 36.6 | 55.4 | K | 9.5 | 37 | 17.0 | 55.2 | | 9.4 | | 29.7 | 44.8 | |
| 9.5 | | 41.3 | 42.8 | | 9.2 | | 51.1 | 58.3 | | 9.4 | 16 | 23.1 | 0.4 | | 9.3 | | 35.1 | 50.1 | | 8.3 | | 39.2 | 42.4 | B |
| 9.2 | 42 | 18.7 | 17.8 | | 9.3 | 58 | 4.5 | 2.0 | | 8.8 | | 52.8 | 46.5 | | 8.5 | 38 | 12.3 | 0.5 | L | 9.5 | 58 | 11.5 | 27.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.83 | 1.34 | | 10pr. | | 36.63 | 1.54 | | 10pr. | | 36.39 | 1.76 | | 10pr. | | 36.04 | 2.01 | | 10pr. | | 35.65 | 2.25 | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ʰ—9ʰ | | +26° | | | 9ʰ | | +26° | | | 9ʰ—10ʰ | | +26° | | | 10ʰ | | +26° | | | 10ʰ—11ʰ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 7.3 | 59 | 23.5 | 12.3 | K | 9.2 | 24 | 5.9 | 6.7 | B | 7.2 | 45 | 20.7 | 20.2 | K | 7.0 | 15 | 44.2 | 18.4 | K | 9.5 | 44 | 7.2 | 32.9 | |
| 8.5 | 0 | 51.6 | 24.6 | K | 9.4 | | 29.4 | 0.9 | B | 8.6 | | 26.5 | 46.5 | | 9.5 | 17 | 14.3 | 17.8 | B | 9.4 | | 30.6 | 51.0 | B |
| 8.8 | 1 | 52.6 | 59.6 | K | 9.1 | | 32.1 | 4.9 | *a* | 8.9 | | 33.5 | 58.0 | K | 9.4 | 18 | 5.5 | 20.3 | *a* | 9.5 | | 38.8 | 51.0 | B |
| 9.5 | | 53.6 | 23.6 | *a* | 9.5 | | 58.9 | 33.3 | | 9.1 | | 56.0 | 53.4 | B | 9.4 | | 14.2 | 16.3 | B | 8.5 | | 50.1 | 19.2 | K |
| 9.0 | 2 | 9.4 | 43.6 | K | 8.9 | 25 | 20.7 | 57.8 | B | 9.3 | 47 | 22.3 | 46.2 | | 8.6 | | 18.1 | 29.2 | K | 7.0 | 45 | 40.2 | 58.3 | K |
| 9.5 | | 11.3 | 34.7 | | 9.3 | | 22.1 | 59.3 | | 8.0 | | 50.0 | 41.4 | K | 9.5 | | 27.2 | 31.1 | | 9.0 | 46 | 24.5 | 53.1 | |
| 9.5 | | 40.6 | 21.9 | | 9.2 | | 22.5 | 1.5 | | 9.3 | 48 | 27.7 | 43.1 | | 9.3 | 19 | 9.0 | 15.7 | *a* | 6.5 | | 49.6 | 15.4 | K |
| 9.1 | | 48.1 | 6.7 | | 9.3 | | 33.6 | 40.5 | | 9.2 | 49 | 11.5 | 57.8 | R | 9.5 | | 51.9 | 33.5 | | 9.0 | 48 | 13.6 | 27.4 | |
| 8.8 | 3 | 36.0 | 38.4 | K | 9.5 | | 41.0 | 49.8 | | 9.2 | | 28.7 | 21.5 | B*b* | 9.5 | | 58.5 | 31.5 | | 9.5 | | 14.9 | 31.5 | *a* |
| 9.5 | 4 | 2.5 | 20.1 | | 9.5 | | 55.4 | 56.4 | | 8.7 | 51 | 8.9 | 11.0 | | 9.5 | 20 | 0.4 | 41.5 | | 9.5 | | 20.0 | 56.7 | |
| 8.4 | | 57.0 | 1.4 | L | 9.5 | 26 | 3.6 | 5.4 | | 8.3 | | 24.7 | 51.3 | K | 9.2 | | 11.6 | 19.1 | K | 9.4 | | 27.7 | 52.8 | |
| 8.9 | 5 | 7.8 | 0.5 | L | 9.1 | | 8.5 | 27.8 | *b* | 9.5 | 52 | 13.8 | 3.7 | | 9.5 | | 33.3 | 54.3 | B | 7.0 | | 42.5 | 16.1 | K |
| 9.5 | | 18.6 | 14.7 | | 9.5 | | 33.6 | 26.4 | | 9.5 | | 58.1 | 4.8 | *B* | 9.3 | | 38.4 | 28.8 | | 8.6 | 49 | 18.0 | 3.0 | R |
| 9.2 | | 30.2 | 46.0 | S | 7.7 | | 45.3 | 49.7 | K | 9.4 | 54 | 18.8 | 4.6 | | 9.2 | 21 | 1.6 | 48.5 | | 9.0 | | 21.6 | 22.5 | K |
| 9.5 | | 55.7 | 0.6 | | 9.4 | | 47.5 | 54.1 | | 9.4 | | 54.4 | 36 3 | | 9.0 | | 1.9 | 37.7 | K | 9.5 | | 33.1 | 15.1 | |
| 9.2 | 6 | 8.3 | 22.8 | K*b* | 9.5 | 27 | 4.7 | 14.0 | | 9.4 | 55 | 14.4 | 23.3 | B | 9.2 | | 33.0 | 57.7 | | 8.6 | 50 | 4.8 | 56.0 | K |
| 9.0 | | 8.9 | 8.6 | | 9.0 | | 6.3 | 59.1 | | 9.2 | | 19.9 | 27.0 | K*b* | 8.8 | | 33.3 | 54.8 | K | 9.5 | | 14.2 | 24.7 | |
| 9.5 | | 10.3 | 47.5 | | 9.5 | | 30.2 | 27.8 | | 9.4 | | 48.2 | 3.5 | | 9.5 | 22 | 21.6 | 32.2 | | 9.1 | | 18.6 | 16.8 | |
| 9.5 | | 48.3 | 35.8 | | 9.5 | | 49.3 | 18.8 | | 9.5 | | 58.2 | 13.7 | B | 9.4 | 25 | 57.3 | 51.4 | B | 8.4 | | 54.7 | 28.0 | |
| 9.5 | 9 | 8.6 | 13.0 | | 9.5 | | 58.6 | 52.4 | B | 9.5 | 56 | 13.7 | 39.4 | *a* | 9.3 | 26 | 17.3 | 55.4 | K | 9.1 | 51 | 27.6 | 0.5 | K |
| 9.5 | | 16.0 | 47.4 | | 9.4 | 28 | 28.2 | 53.3 | *a* | 9.5 | | 24.1 | 57.8 | | 7.3 | | 41.8 | 54.9 | K | 8.4 | | 49.6 | 13.2 | L |
| 8.9 | | 21.6 | 35.7 | K | 9.5 | 29 | 1.2 | 46.3 | | 8.9 | 57 | 47.7 | 34.3 | | 9.0 | | 47.4 | 18.1 | | 9.4 | | 52.7 | 24.2 | |
| 9.5 | | 24.4 | 53.3 | | 9.5 | | 7.1 | 9.2 | | 9.5 | | 48.1 | 19.5 | | 9.5 | 27 | 38.7 | 50.4 | | 8.6 | | 59.7 | 4.2 | K |
| 9.2 | 10 | 2.3 | 48.5 | | 9.5 | | 16.4 | 48.7 | | 9.3 | 58 | 22.0 | 43.9 | | 8.6 | 28 | 46.8 | 55.2 | K | 9.5 | 52 | 26.2 | 39.8 | |
| 9.4 | | 27.6 | 16.4 | | 8.0 | 30 | 1.3 | 0.5 | K | 9.2 | | 24.6 | 16.3 | B*b* | 9.1 | 29 | 5.2 | 27.3 | *b* | 9.5 | | 36.1 | 17.1 | |
| 9.5 | | 40.1 | 19.5 | | 9.1 | | 35.6 | 55.0 | | 9.5 | | 34.7 | 4.4 | | 8.7 | 30 | 2.2 | 13.7 | K | 8.7 | | 36.5 | 5.9 | K |
| 6.7 | | 47.0 | 51.1 | K | 8.7 | | 36.9 | 34.0 | R | 9.5 | | 43.2 | 6.2 | | 9.1 | | 11.3 | 40.8 | | 8.9 | 53 | 16.7 | 0.8 | |
| 9.5 | 11 | 20.3 | 18.1 | | 9.5 | | 50.6 | 26.4 | | 9.3 | 59 | 25.5 | 58.2 | | 9.5 | | 27.6 | 46.6 | | 9.3 | 54 | 53.1 | 20.9 | K |
| 9.4 | | 39.8 | 15.0 | | 6.7 | | 52.2 | 1.2 | K*b* | 9.4 | 0 | 13.5 | 1.8 | B | 8.4 | | 29.1 | 39.8 | L | 9.0 | 55 | 13.6 | 27.4 | K |
| 9.4 | | 51.4 | 4.9 | | 7.8 | 32 | 13.3 | 40.1 | K | 9.5 | | 36.4 | 56.1 | | 8.2 | 31 | 0.6 | 31.5 | K*b* | 8.6 | | 27.3 | 10.2 | |
| 8.5 | | 54.3 | 19.9 | K | 6.5 | 33 | 17.6 | 34.0 | K*b* | 8 5 | | 54.3 | 13.0 | | 9.5 | | 20.9 | 53.1 | B | 6.8 | | 56.1 | 33.5 | K |
| 8.0 | 12 | 47.5 | 37.4 | L | 9.5 | 34 | 2.9 | 24.0 | | 9.5 | 1 | 58.0 | 32.9 | | 9.5 | | 32.0 | 6.5 | | 9.5 | 57 | 33.7 | 1.2 | |
| 9.5 | 13 | 14.0 | 53.0 | *a* | 7.7 | | 2.9 | 16.1 | K | 9.5 | 2 | 5.6 | 57.3 | | 8.8 | 32 | 3.8 | 56.7 | K | 9.5 | 58 | 11.4 | 45.0 | B |
| 9.5 | | 47.1 | 56.4 | | 9.3 | | 5.4 | 3.3 | | 9.2 | 3 | 8.7 | 5.1 | K | 9.5 | | 25.4 | 57.4 | | 9.1 | | 54.5 | 51.2 | K |
| 9.5 | 14 | 9.6 | 51.6 | | 9.4 | 35 | 36.0 | 59.8 | *ab* | 9.4 | | 51.0 | 38.4 | | 9.5 | | 28.7 | 22.2 | | 8.2 | 59 | 9.2 | 32.1 | L |
| 8.1 | | 15.2 | 22.9 | K | 9.0 | | 50.4 | 1.1 | | 9.3 | 4 | 0.0 | 27.1 | K*b* | 7.5 | | 51.2 | 27.4 | K | 7.2 | | 17.6 | 18.8 | K*b* |
| 9.5 | 15 | 3.4 | 54.9 | | 9.4 | 36 | 8.3 | 17.4 | | 7.8 | | 32.1 | 52.0 | B | 9.5 | 33 | 0.7 | 24.6 | | 9.5 | | 42.1 | 37.7 | |
| 7.0 | | 42.1 | 31.3 | K | 9.5 | | 44.6 | 25.7 | | 9.5 | | 33.0 | 56.2 | | 9.4 | | 3.6 | 35.0 | | 9.2 | | 48.3 | 46.2 | *a* |
| 4.2 | 16 | 12.9 | 48.6 | K*b* | 9.4 | 37 | 41.2 | 23.6 | | 9.2 | | 37.1 | 31.5 | K | 9.2 | | 48.4 | 9.3 | B | 9.2 | 1 | 33.4 | 44.3 | K |
| 8.8 | | 40.0 | 52.7 | K | 9.4 | | 50.4 | 42.6 | | 9.2 | 6 | 12.0 | 39.1 | K | 8.5 | | 55.7 | 25.6 | L | 9.1 | | 48.8 | 50.9 | B |
| 8.6 | 17 | 21.9 | 49.7 | K | 9.5 | 38 | 11.6 | 20.3 | | 9.0 | | 56.5 | 48.9 | | 9.4 | 34 | 11.3 | 44.2 | | 8.4 | 3 | 19.8 | 48.9 | K*b* |
| 8.5 | | 45.7 | 12.1 | K | 9.4 | | 53.0 | 28.4 | | 8.8 | 7 | 43.7 | 33.2 | | 9.3 | 35 | 7.0 | 6.6 | B | 9.2 | 5 | 25.0 | 10.5 | K*b* |
| 9.4 | | 49.8 | 3.1 | | 9.5 | | 57.3 | 54.8 | | 8.2 | 8 | 26.9 | 1.6 | K | 8.9 | | 28.7 | 30.8 | L | 9.5 | | 51.0 | 43.0 | |
| 8.4 | 18 | 16.8 | 59.0 | K*b* | 9.5 | 39 | 3.9 | 58.8 | | 6.2 | | 35.2 | 6.0 | K | 9.5 | 37 | 6.4 | 20.5 | | 7.5 | 6 | 49.6 | 30.7 | K |
| 9.5 | | 17.3 | 25.4 | | 9.2 | | 14.1 | 53.8 | B*b* | 7.5 | | 47.0 | 34.9 | K | 8.4 | 38 | 6.9 | 19.5 | L | 9.1 | 7 | 11.3 | 58.5 | K |
| 9.1 | 19 | 17.0 | 16.4 | *b* | 9.3 | | 55.8 | 59.1 | | 9.3 | 9 | 33.5 | 59.2 | K | 8.2 | | 11.6 | 31.9 | L | 9.4 | | 55.3 | 32.2 | B |
| 9.3 | | 37.2 | 30.6 | *a* | 9.5 | 40 | 47.1 | 58.8 | | 9.5 | 10 | 19.2 | 35.3 | | 9.0 | | 19.2 | 45.3 | K | 9.1 | 8 | 42.5 | 36.2 | K |
| 9.0 | | 40.1 | 33.0 | | 9.3 | 41 | 14.3 | 33.1 | *a* | 9.4 | 11 | 14.2 | 58.9 | | 8.4 | | 21.2 | 22.0 | L | 9.3 | | 58.8 | 0.9 | |
| 9.5 | | 55.0 | 23.3 | | 9.0 | | 21.1 | 16.4 | B | 8.5 | | 16.8 | 52.4 | K | 9.1 | | 33.4 | 47.0 | K | 7.3 | 9 | 58.3 | 15.9 | K |
| 9.5 | 20 | 0.9 | 27.4 | | 9.5 | | 25.7 | 9.1 | *a* | 9.4 | 12 | 8.7 | 4.4 | | 9.0 | 39 | 10.1 | 43.1 | K | 8.1 | 10 | 6.7 | 45.1 | K |
| 8.2 | | 30.5 | 50.9 | K | 9.4 | | 29.6 | 38.5 | | 9.5 | | 11.3 | 10.5 | | 9.1 | | 12.4 | 50.2 | K | 9.5 | | 26.6 | 26.9 | |
| 9.5 | | 37.0 | 35.7 | | 9.3 | | 30.0 | 16.7 | | 8.5 | | 23.6 | 23.8 | | 9.3 | | 49.7 | 11.6 | B | 8.8 | | 40.3 | 1.6 | K |
| 9.5 | 21 | 18.2 | 30.9 | | 8.7 | | 41.8 | 3.9 | | 9.5 | 13 | 4.2 | 51.8 | | 8.8 | 40 | 3.1 | 13.1 | L | 9.2 | | 50.0 | 21.1 | |
| 9.5 | 22 | 5.4 | 19.2 | | 8.8 | 42 | 0.6 | 36.7 | | 9.5 | | 11.6 | 36.3 | | 9.3 | | 18.5 | 45.4 | K | 9.0 | | 58.1 | 6.3 | K |
| 9.3 | | 43.0 | 55.7 | | 9.0 | | 12.4 | 42.5 | | 9.3 | | 13.6 | 1.7 | | 9.0 | 41 | 17.7 | 26.7 | K | 9.4 | 11 | 49.1 | 41.7 | B |
| 9.1 | | 50.0 | 36.4 | *b* | 9.4 | 43 | 5.0 | 20.8 | | 9.4 | 14 | 3.7 | 46.6 | | 8.9 | 42 | 17.1 | 18.7 | B | 9.0 | 12 | 27.9 | 17.3 | |
| 8.9 | 23 | 14.4 | 25.0 | | 8.6 | | 25.7 | 59.4 | K | 8.7 | | 19.1 | 13.7 | K | 7.7 | | 34.6 | 25.3 | K | 9.5 | 13 | 19.2 | 15.5 | B |
| 9.5 | | 38.0 | 52.0 | | 9.1 | 44 | 4.9 | 24.3 | R | 9.5 | | 45.6 | 38.8 | | 9.1 | 43 | 9.2 | 44.2 | K | 9.5 | | 57.3 | 46.5 | |
| 9.3 | | 46.1 | 4.2 | *a* | 4.0 | | 31.0 | 41.8 | L | 9.4 | 15 | 38.2 | 27.1 | B | 8.7 | | 11.6 | 23.6 | K | 9.0 | 14 | 16.4 | 15.6 | K |
| 9.5 | | 55.0 | 7.6 | *a* | 9.4 | | 48.7 | 51.3 | | 9.5 | | 41.3 | 22.2 | | 9.4 | | 12.7 | 38.4 | | 9.5 | | 23.4 | 9.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10*pr.* | | 35.18 | 2.48 | | 10*pr.* | | 34.71 | 2.67 | | 10*pr.* | | 34.03 | 2.89 | | 10*pr.* | | 33.24 | 3.09 | | 10*pr.* | | 32.57 | 3.21 | |

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11ᵐ | | +26° | | | 11ᵐ—12ᵐ | | +26° | | | 12ᵐ | | +26° | | | 12ᵐ—13ᵐ | | +26° | | | 13ᵐ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 15 | 41.5 | 57.1 | | 9.0 | 44 | 35.4 | 31.9 | K | 7.1 | 8 | 50.3 | 33.9 | K | 9.5 | 35 | 21.0 | 3.9 | | 9.5 | 8 | 25.3 | 57.1 | |
| 9.5 | | 43.5 | 55.3 | B | 9.0 | | 51.5 | 15.2 | | 9.5 | 9 | 46.4 | 2.8 | | 8.2 | | 46.1 | 41.9 | K | 9.4 | 9 | 1.1 | 1.3 | |
| 9.3 | | 46.0 | 16.0 | K | 9.4 | 45 | 6.5 | 59.4 | B | 8.2 | 10 | 31.3 | 22.6 | B | 6.8 | 36 | 9.5 | 55.2 | K | 9.2 | | 14.3 | 29.4 | K |
| 9.0 | 16 | 8.3 | 41.5 | K | 9.5 | | 29.9 | 7.2 | | 7.3 | 11 | 22.5 | 59.9 | K | 8.8 | | 27.5 | 33.9 | | 8.0 | | 23.7 | 39.7 | K |
| 9.1 | | 41.8 | 9.4 | K | 9.0 | | 41.4 | 24.7 | | 9.5 | | 27.3 | 1.6 | | 7.5 | | 27.5 | 27.4 | R | 9.5 | | 27.3 | 1.1 | |
| 9.4 | | 43.2 | 51.7 | | 9.4 | 46 | 34.3 | 30.4 | B | 6.6 | | 43.0 | 48.6 | K | 9.4 | 37 | 4.7 | 44.1 | | 9.5 | 10 | 12.9 | 52.6 | |
| 9.3 | | 59.0 | 33.5 | | 9.1 | 47 | 15.9 | 35.6 | *a* | 9.4 | 12 | 30.6 | 1.2 | | 9.5 | | 39.6 | 16.7 | *a* | 9.4 | 11 | 50.0 | 33.1 | |
| 8.3 | 17 | 25.9 | 56.9 | K | 8.8 | | 31.7 | 34.6 | | 9.5 | | 53.2 | 59.8 | | 9.5 | 38 | 15.1 | 34.2 | | 9.5 | 13 | 16.7 | 58.6 | |
| 9.2 | | 44.7 | 13.3 | K | 9.3 | | 48.3 | 47.7 | | 6.3 | 13 | 1.5 | 48.7 | K | 9.5 | | 24.0 | 3.3 | | 9.5 | 14 | 6.4 | 6.0 | |
| 9.4 | | 45.2 | 8.7 | | 7.0 | | 58.9 | 19.8 | K | 8.7 | | 25.8 | 33.6 | K | 9.5 | 39 | 10.0 | 40.1 | *b* | 7.5 | 15 | 4.5 | 45.1 | K |
| 9.4 | 18 | 29.0 | 27.6 | | 8.7 | 48 | 32.5 | 18.1 | K | 8.3 | | 35.5 | 44.5 | K | 9.5 | | 38.1 | 39.7 | | 9.1 | | 22.0 | 16.3 | K |
| 9.0 | 19 | 0.0 | 2.5 | | 9.3 | | 45.4 | 29.1 | | 8.2 | | 46.6 | 31.5 | B | 9.4 | | 46.8 | 5.6 | | 7.7 | | 43.5 | 52.3 | K |
| 8.5 | | 14.3 | 22.3 | K | 9.4 | | 59.0 | 52.3 | | 9.4 | 14 | 0.5 | 28.9 | | 9.2 | 43 | 11.9 | 55.9 | K | 8.6 | | 48.7 | 36.0 | B |
| 8.6 | | 52.6 | 18.0 | K | 9.5 | 49 | 19.8 | 34.2 | *B* | 9.3 | | 4.3 | 43.4 | | neb | | 21.8 | 17.0 | | 9.5 | 16 | 18.3 | 46.6 | |
| 9.5 | | 55.2 | 50.9 | | 9.0 | | 45.2 | 37.7 | B | 9.3 | | 35.5 | 25.4 | | 9.5 | 44 | 2.0 | 3.7 | | 7.1 | | 53.0 | 18.3 | K |
| 9.3 | 21 | 5.7 | 11.5 | | 9.4 | | 53.7 | 1.9 | | 8.9 | | 39.5 | 29.4 | B | 9.5 | | 17.3 | 21.7 | | 9.5 | 17 | 3.9 | 24.6 | B |
| 9.5 | | 10.3 | 57.0 | | 9.4 | 50 | 16.6 | 38.1 | B | 5.0 | 15 | 12.6 | 39.5 | *Bb* | 8.6 | | 33.8 | 18.0 | B | 9.3 | | 20.3 | 17.3 | *a* |
| 8.2 | | 21.2 | 10.8 | *Kb* | 9.5 | | 54.1 | 46.8 | B | 8.5 | | 13.7 | 38.0 | B | 8.9 | | 44.6 | 25.9 | B | 9.5 | | 50.5 | 28.6 | *a* |
| 8.4 | | 45.7 | 40.7 | K | 9.5 | 51 | 23.0 | 56.4 | | 9.1 | | 23.8 | 36.5 | *a* | 7.5 | | 48.3 | 27.8 | K | 9.4 | 18 | 25.2 | 49.4 | |
| 9.3 | 22 | 9.3 | 58.1 | | 9.5 | 52 | 15.4 | 18.7 | | 8.8 | | 50.5 | 38.7 | K | 9.5 | | 54.7 | 20.0 | | 8.4 | | 30.9 | 17.5 | K |
| 9.5 | | 22.7 | 53.4 | | 9.5 | | 30.9 | 25.0 | | 9.5 | 16 | 18.3 | 51.0 | | 9.0 | | 57.3 | 14.8 | | 8.7 | | 47.3 | 25.1 | K |
| 7.5 | | 29.2 | 7.2 | *B* | 8.7 | | 41.3 | 50.7 | K | 9.5 | | 36.5 | 56.1 | | 8.5 | 45 | 5.6 | 8.9 | K | 9.5 | 19 | 52.8 | 56.2 | |
| 9.4 | 23 | 4.3 | 2.5 | | 9.5 | | 47.4 | 43.6 | | 7.0 | | 46.2 | 37.9 | K | 9.5 | | 57.2 | 19.7 | | 9.5 | 20 | 18.7 | 23.7 | |
| 9.2 | | 7.7 | 15.0 | B | 9.5 | 53 | 21.0 | 15.6 | | 5.3 | 17 | 2.3 | 53.8 | *Kb* | 8.6 | 48 | 23.6 | 31.4 | K | 9.5 | 21 | 36.7 | 27.8 | *a* |
| 9.5 | | 48.3 | 4.6 | | 9.0 | | 26.0 | 11.6 | | 6.3 | | 10.0 | 23.5 | 8 | 8.7 | | 30.2 | 40.3 | K | 9.5 | 22 | 34.4 | 6.4 | *b* |
| 9.2 | 24 | 22.6 | 49.7 | *a* | 8.4 | | 57.2 | 30.9 | | 9.5 | | 39 4 | 28.3 | | 9.5 | | 45.7 | 2.9 | | 9.2 | 25 | 45.2 | 35.7 | K |
| 9.1 | | 41.7 | 13.9 | *b* | 9.5 | 54 | 20.5 | 14.3 | | 8.9 | | 47.0 | 19.4 | | 9.1 | 49 | 1.7 | 49.2 | *Kb* | 9.5 | 26 | 13.7 | 16.1 | |
| 9.5 | | 46.5 | 40.8 | | 7.5 | 55 | 20.8 | 8.0 | *B* | 9.5 | 18 | 16.5 | 54.9 | | 9.5 | 50 | 15.8 | 14.2 | | 8.5 | | 20.2 | 37.1 | K |
| 9.5 | 25 | 12.0 | 47.8 | | 9.3 | | 54.4 | 49.1 | | 9.1 | | 35.4 | 45.8 | *a* | 8.7 | | 41.8 | 43.4 | K | 9.2 | | 34.3 | 50.5 | K |
| 9.4 | | 19.7 | 56.5 | *a* | 9.5 | | 58.4 | 36.3 | B | 8.5 | | 44.2 | 29.3 | K | 8.6 | 51 | 26.0 | 41.4 | K | 9.5 | 28 | 30.0 | 59.8 | |
| 8.4 | | 53.3 | 55.9 | K | 9.3 | 56 | 1.0 | 16.7 | | 8.8 | 19 | 32.2 | 57.0 | K | 9.5 | 52 | 38.5 | 37.5 | | 9.4 | 29 | 10.5 | 5.1 | |
| 9.2 | 26 | 26.6 | 33.4 | *Bb* | 9.5 | | 18.0 | 8.0 | | 6.5 | 20 | 24.8 | 42.5 | L | 9.5 | | 54.3 | 40.7 | | 9.3 | | 24.1 | 59.1 | *a* |
| 9.5 | 27 | 18.0 | 48.8 | | 9.4 | | 20.5 | 36.0 | B | 7.2 | 21 | 29.8 | 41.5 | K | 9.5 | 53 | 33.5 | 54.5 | | 8.2 | | 55.7 | 37.7 | K |
| 9.5 | 28 | 0.5 | 9.2 | *a* | 9.5 | | 26.3 | 9.6 | | 6.0 | | 40.7 | 42.9 | *Kb* | 9.3 | | 36.6 | 46.0 | | 9.0 | 30 | 28.9 | 53.2 | K |
| 8.5 | | 9.4 | 48.4 | K | 9.1 | | 46.4 | 39.8 | *b* | 9.3 | 22 | 31.9 | 2.8 | | 9.0 | 54 | 7.9 | 23.8 | K | 9.5 | | 57.6 | 59.8 | |
| 8.7 | | 51.4 | 37.8 | | 9.3 | 57 | 31.4 | 14.3 | | 8.3 | | 43.5 | 55.7 | K | 8.9 | | 18.4 | 23.1 | K | 9.3 | | 58.4 | 13.3 | |
| 8.0 | 29 | 48.9 | 35.9 | L | 9.3 | | 49.3 | 24.5 | B | 9.5 | 23 | 53.0 | 51.1 | | 9.5 | | 19.2 | 6.4 | *a* | 9.2 | 31 | 3.3 | 9.4 | *b* |
| 7.9 | | 52.1 | 13.2 | *B* | 9.5 | 58 | 2.1 | 6.6 | B | 9.2 | 24 | 7.5 | 34.2 | | 8.8 | 55 | 17.3 | 13.5 | | 9.5 | | 35.7 | 34.0 | |
| 8.1 | 30 | 16.4 | 11.8 | K | 8.8 | | 32.9 | 29.4 | K | 8.2 | | 20.7 | 40.1 | K | 9.5 | 56 | 26.3 | 5.6 | | 9.4 | | 55.6 | 28.8 | |
| 9.4 | 31 | 40.8 | 42.9 | B | 8.1 | | 41.6 | 34.3 | K | 8.8 | 25 | 3.0 | 46.2 | K | 8.5 | | 28.2 | 33.8 | L | 9.3 | 32 | 48.2 | 32.0 | |
| 7.8 | | 55.3 | 6.7 | K | 9.5 | | 50.4 | 25.6 | | 8.7 | | 49.4 | 45.9 | K | 9.1 | | 44.3 | 12.4 | K | 8.0 | 33 | 14.7 | 40.2 | K |
| 9.4 | 32 | 16.5 | 33.1 | B | 9.5 | | 58.2 | 2.9 | | 9.5 | 26 | 28.3 | 43.5 | | 9.5 | | 58.2 | 34.8 | | 9.2 | | 43.2 | 35.0 | K |
| 7.3 | | 37.1 | 56.9 | K | 9.3 | 59 | 22.4 | 44.3 | *a* | 9.5 | 27 | 9.5 | 14.6 | | 9.5 | 57 | 9.5 | 5.9 | | 9.0 | 34 | 17.7 | 42.6 | K |
| 7.4 | | 41.9 | 35.0 | K | 9.3 | 0 | 12.2 | 42.4 | B | 9.3 | | 53.5 | 6.0 | | 9.5 | 58 | 24.5 | 4.2 | | 9.5 | | 31.2 | 30.5 | |
| 9.5 | 33 | 6.9 | 19.8 | *B* | 9.1 | | 26.7 | 9.2 | *a* | 9.4 | 28 | 4.8 | 56.4 | | 9.5 | | 26.8 | 26.8 | | 9.5 | | 47.9 | 3.5 | |
| 9.5 | | 19.4 | 5.4 | | 9.5 | | 29.6 | 44.2 | | 9.5 | | 5.0 | 50.0 | | 9.5 | | 37.7 | 42.0 | | 9.1 | 35 | 17.2 | 22.0 | *ab* |
| 9.5 | 34 | 8.8 | 0.1 | | 8.3 | | 37.0 | 10.9 | K | 9.5 | | 32.8 | 45.9 | *B* | 9.5 | 59 | 2.8 | 13.1 | | 9.4 | | 56.7 | 43.0 | |
| 7.8 | | 18.4 | 44.2 | K | 9.5 | | 48.8 | 7.9 | | 9.1 | | 49.1 | 32.9 | *B* | 9.5 | | 33.4 | 53.2 | | 8.5 | 37 | 25.5 | 1.6 | K |
| 9.5 | | 54.1 | 5.7 | | 9.5 | 1 | 30.3 | 45.9 | B | 7.8 | | 49.1 | 13.3 | K | 9.3 | 0 | 27.1 | 8.4 | *ab* | 9.5 | | 39.8 | 18.6 | |
| 6.2 | 36 | 41.1 | 2.3 | L | 9.5 | | 58.5 | 45.6 | *B* | 9.1 | | 53.5 | 18.4 | K | 9.5 | 1 | 59.5 | 3.6 | *a* | 9.5 | 38 | 6.2 | 15.8 | |
| 9.5 | 37 | 8.4 | 21.2 | | 8.6 | 2 | 44.6 | 41.9 | K | neb | 29 | 8.0 | 47.5 | | 8.5 | 3 | 21.2 | 19.3 | K | 9.5 | 39 | 16.4 | 59.4 | |
| 9.5 | 38 | 8.9 | 46.4 | | 9.1 | | 55.8 | 2.4 | K | 8.6 | | 27.5 | 35.0 | | 9.4 | | 24.2 | 40.5 | B | 9.4 | | 31.6 | 7.1 | |
| 9.4 | | 22.7 | 17.9 | *Bb* | 8.8 | 3 | 1.5 | 9.0 | K | 9.2 | 30 | 41.3 | 34.8 | *a* | 9.5 | 4 | 6.8 | 43.5 | | 9.5 | | 48.7 | 1.7 | B |
| 9.5 | 40 | 13.6 | 40.2 | | 8.8 | | 44.9 | 49.1 | K | 9.2 | 31 | 7.1 | 11.3 | *b* | 9.2 | 5 | 50.3 | 21.7 | B | 6.0 | | 59.2 | 25.4 | K |
| 9.5 | | 51.9 | 35.3 | | 8.6 | 4 | 16.4 | 31.5 | K | 9.5 | | 12.7 | 2.6 | *B* | 8.9 | 6 | 8.3 | 11.7 | K | 9.5 | 40 | 12.8 | 20.5 | |
| 9.5 | 42 | 42.2 | 33.3 | | 5.7 | | 31.2 | 40.5 | *Kb* | 9.5 | | 48.0 | 4.4 | | 9.5 | | 14.8 | 23.5 | | 9.5 | | 37.1 | 1.0 | |
| 9.3 | 43 | 24.1 | 45.2 | | 9.1 | | 53.8 | 50.0 | K | 9.3 | 33 | 2.0 | 23.5 | | 9.0 | | 28.7 | 34.1 | K | 9.5 | 41 | 4.2 | 39.5 | |
| 9.4 | | 33.8 | 15.3 | | 9.0 | 5 | 1.0 | 22.7 | | 9.3 | | 6.0 | 25.6 | *a* | 9.2 | | 43.2 | 37.2 | *a* | 9.3 | | 37.3 | 36.8 | *b* |
| 9.4 | | 36.3 | 50.2 | B | 9.4 | | 8.5 | 5.3 | | 9.3 | | 54.5 | 30.1 | *Bb* | 7.3 | | 56.3 | 28.6 | K | 9.5 | 44 | 37.2 | 29.2 | B |
| 9.2 | | 49.2 | 10.1 | *a* | 9.5 | | 41.3 | 10.0 | | 9.4 | 35 | 6.9 | 45.3 | *a* | 9.2 | 7 | 24.7 | 26.2 | *a* | 9.5 | 45 | 14.9 | 7.3 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10 pr.* | | *31.71* | *3.30* | | *10 pr.* | | *30.84* | *3.34* | | *10 pr.* | | *30.17* | *3.33* | | *10 pr.* | | *29.21* | *3.25* | | *10 pr.* | | *28.20* | *3.10* | |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13ᵘ—14ᵘ | | +26° | | | 14ᵘ | | +26° | | | 14ᵘ—15ᵘ | | +26° | | | 15ᵘ | | +26° | | | 15ᵘ—16ᵘ | | +26° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 8.5 | 45 | 30.0 | 51.1 | K | 9.3 | 17 | 11.2 | 29.3 | B | 9.4 | 47 | 50.0 | 10.3 | *a* | 8.2 | 14 | 56.4 | 6.1 | K | 8.4 | 43 | 56.0 | 37.0 | K |
| 9.0 | | 45.2 | 28.1 | | 9.2 | | 32.3 | 50.9 | | 9.4 | 48 | 38.2 | 40.3 | | 9.5 | | 59.0 | 56.1 | | 9.5 | 44 | 27.0 | 23.6 | |
| 9.4 | 46 | 34.7 | 23.4 | *a* | var | | 40.2 | 22.6 | L | 8.5 | | 49.0 | 9.8 | K | 9.1 | 15 | 24.0 | 25.4 | *a* | 9.5 | | 42.6 | 13.0 | |
| 8.8 | | 59.7 | 23.0 | K | 9.3 | | 44.6 | 13.1 | | 9.4 | 49 | 3.1 | 2.7 | | 9.5 | | 56.5 | 45.3 | | 8.5 | | 45.0 | 32.6 | K |
| 9.1 | 47 | 41.5 | 54.2 | Kb | 9.1 | | 49.8 | 5.6 | B | 9.0 | 50 | 33.7 | 23.0 | | 7.3 | 16 | 12.1 | 8.7 | K | 9.4 | 45 | 15.9 | 49.8 | |
| 9.3 | | 54.7 | 1.3 | | 8.6 | 18 | 14.8 | 18.5 | K | 8.9 | | 34.6 | 31.3 | K | 9.5 | 19 | 1.6 | 36.0 | | 9.3 | 46 | 24.5 | 58.6 | |
| 9.4 | 48 | 9.8 | 4.1 | | 8.7 | | 39.2 | 49.3 | K | 9.5 | | 40.7 | 28.0 | | 9.4 | | 40.7 | 16.2 | | 8.8 | 47 | 20.5 | 44.0 | K |
| 6.8 | 49 | 30.7 | 38.4 | K | 9.4 | 19 | 19.9 | 44.4 | | 9.2 | | 48.8 | 57.8 | *b* | 9.5 | 20 | 17.0 | 16.7 | *b* | 8.9 | | 32.9 | 12.1 | K |
| 9.2 | | 40.3 | 59.3 | | 7.5 | | 26.2 | 54.8 | Kb | 9.5 | 51 | 38.7 | 46.5 | | 9.5 | 21 | 11.6 | 37.7 | | 9.5 | | 41.4 | 22.9 | |
| 9.3 | | 43.3 | 55.9 | | 9.4 | | 40.0 | 30.2 | *a* | 9.5 | | 44.1 | 40.6 | | 8.9 | | 50.7 | 47.7 | K | 9.5 | 48 | 12.8 | 42.5 | |
| 7.3 | 52 | 25.7 | 31.2 | K | 9.5 | | 41.6 | 6.7 | | 9.4 | 52 | 0.7 | 51.5 | | 9.3 | | 56.8 | 29.9 | | 9.5 | | 24.9 | 14.8 | |
| 9.4 | | 52.7 | 44.4 | B | 8.2 | 20 | 2.6 | 50.9 | K | 9.2 | | 16.0 | 12.8 | *b* | 8.1 | 22 | 18.3 | 7.0 | K | 9.6 | 49 | 5.2 | 9.3 | B |
| 9.5 | 53 | 16.6 | 2.2 | *a* | 9.5 | | 49.8 | 28.5 | | 9.5 | | 22.6 | 31.3 | | 9.2 | | 58.5 | 3.6 | | 8.3 | | 10.2 | 55.5 | K |
| 9.4 | 54 | 7.7 | 38.5 | | 8.7 | 21 | 49.7 | 53.9 | | 9.5 | | 29.8 | 48.5 | | 7.3 | 23 | 48.0 | 0.2 | K | 8.3 | | 16.8 | 26.3 | Kb |
| 9.5 | | 13.2 | 40.9 | | 7.0 | 22 | 17.2 | 29.9 | K | 9.5 | | 56.5 | 37.3 | | 9.5 | 24 | 0.9 | 53.2 | | 9.3 | | 32.9 | 19.1 | |
| 9.2 | | 31.8 | 19.3 | | 9.5 | 26 | 19.1 | 11.3 | | 9.3 | 53 | 59.4 | 51.0 | | 9.4 | | 14.3 | 13.6 | | 9.2 | 51 | 36.5 | 31.5 | B |
| 8.9 | | 32.6 | 4.1 | K | 9.5 | 27 | 0.8 | 44.8 | | 9.3 | 54 | 2.7 | 32.7 | *a* | 8.3 | 25 | 10.0 | 23.6 | K | 9.5 | | 41.5 | 54.2 | |
| 9.1 | 56 | 36.7 | 44.7 | K | 9.1 | | 15.0 | 9.5 | *ab* | 9.1 | | 24.0 | 36.1 | L | 9.3 | | 10.3 | 6.6 | B | 9.2 | | 49.5 | 9.9 | *a* |
| 9.5 | 57 | 24.8 | 56.7 | | 9.1 | | 23.1 | 8.0 | B | 9.3 | | 26.5 | 9.3 | | 9.5 | | 18.5 | 10.3 | | 9.3 | | 50.0 | 25.3 | |
| 9.5 | | 43.2 | 1.9 | | 9.0 | | 36.2 | 28.7 | K | 8.7 | | 33.2 | 22.9 | Kb | 9.5 | 26 | 34.0 | 59.5 | | 9.1 | 52 | 7.3 | 40.0 | *a* |
| 6.8 | 58 | 8.4 | 31.0 | K | 9.2 | | 37.7 | 8.0 | B | 9.4 | | 52.0 | 48.9 | | 9.5 | 27 | 32.3 | 29.5 | | 9.1 | | 25.4 | 21.2 | *a* |
| 8.8 | | 12.2 | 32.4 | L | 9.5 | | 58.9 | 13.2 | | 9.5 | | 52.0 | 25.3 | | 9.5 | 28 | 0.8 | 32.2 | | 8.4 | | 32.8 | 57.2 | K |
| 8.9 | | 49.6 | 50.8 | K | 9.4 | 28 | 44.3 | 12.7 | | 9.4 | 55 | 16.8 | 54.2 | | 9.0 | 29 | 16.0 | 29.0 | - | 8.8 | | 54.1 | 33.6 | |
| 9.5 | 59 | 53.0 | 45.6 | B | 9.2 | 29 | 18.2 | 33.4 | *b* | 9.3 | 56 | 53.4 | 53.1 | B | 9.2 | | 26.6 | 14.3 | *b* | 9.5 | 53 | 22.3 | 33.9 | |
| 8.9 | | 55.7 | 24.8 | Lb | 9.2 | | 57.8 | 45.9 | | 9.4 | | 59.5 | 57.1 | | 9.3 | 30 | 9.2 | 57.8 | | var | | 26.9 | 20.1 | *aB* |
| 9.5 | 0 | 1.0 | 41.1 | | 9.0 | 30 | 31.3 | 30.7 | K | 7.7 | 57 | 32.0 | 35.7 | K | 9.5 | | 46.3 | 13.2 | | 9.4 | 54 | 10.9 | 8.7 | *B* |
| 9.4 | | 51.2 | 23.0 | | 9.4 | | 43.8 | 42.0 | | 8.0 | 58 | 27.1 | 2.0 | K | 9.2 | | 51.7 | 42.2 | *b* | *7.7 | 55 | 2.8 | 34.6 | K |
| 9.5 | 2 | 11.8 | 54.7 | B | 9.4 | 31 | 5.4 | 1.6 | | 9.5 | ↑ | 12.5 | 54.0 | | 8.3 | 31 | 46.1 | 6.5 | | 9.0 | | 25.4 | 14.1 | B |
| 8.5 | | 43.9 | 7.1 | K | 9.4 | 33 | 24.8 | 45.9 | | 9.4 | (59) | 27.1 | 9.2 | | 9.5 | | 52.0 | 25.3 | | 8.2 | | 28.9 | 48.0 | K |
| 8.1 | 3 | 6.7 | 30.7 | K | 8.3 | | 53.8 | 26.1 | L | 9.4 | | 32.5 | 40.8 | | 9.5 | 32 | 6.7 | 17.7 | | 9.5 | | 31.8 | 15.6 | |
| 9.4 | | 15.5 | 57.0 | | 8.6 | 34 | 35.2 | 45.1 | K | 9.5 | | 57.0 | 36.5 | | 9.5 | | 47.0 | 51.2 | | 9.1 | 56 | 26.9 | 43.2 | *a* |
| 9.5 | | 22.2 | 28.2 | | 7.9 | 35 | 24.5 | 35.1 | K | 9.5 | 0 | 5.3 | 16.3 | | 8.0 | | 53.1 | 13.2 | B | 9.1 | | 29.5 | 56.0 | K |
| 9.3 | | 49.1 | 32.6 | | 9.5 | | 41.3 | 42.4 | | 9.1 | 1 | 2.7 | 27.0 | *ab* | 9.5 | 33 | 20.0 | 53.7 | | 9.1 | | 42.5 | 12.6 | Bb |
| 9.2 | 4 | 19.9 | 10.1 | | 9.4 | 36 | 11.3 | 30.1 | B | 9.5 | | 27.3 | 30.8 | | 9.5 | 34 | 19.0 | 47.0 | | 9.4 | | 44.9 | 15.1 | *a* |
| 9.2 | | 34.8 | 0.3 | | 9.5 | 38 | 29.7 | 51.8 | | 9.5 | 2 | 1.0 | 27.0 | | 9.4 | | 20.8 | 19.8 | | 9.5 | 57 | 13.2 | 54.4 | |
| 9.5 | | 59.7 | 52.5 | | 9.5 | | 38.5 | 22.9 | | 6.3 | | 8.8 | 52.1 | Kb | 9.2 | | 37.0 | 37.8 | | 8.5 | | 24.8 | 49.4 | K |
| 9.1 | 5 | 51.8 | 1.5 | | 9.5 | 39 | 8.3 | 2.6 | *b* | 9.4 | | 22.2 | 11.4 | | 9.5 | | 46.9 | 45.0 | | 9.5 | | 39.9 | 4.0 | |
| 9.1 | 6 | 9.2 | 27.8 | Bb | 8.2 | 40 | 5.8 | 33.0 | K | 8.4 | 4 | 2.7 | 18.4 | L | 9.5 | | 48.9 | 6.3 | *B* | 9.5 | | 49.6 | 55.9 | |
| 9.3 | | 36.3 | 32.7 | | 9.4 | | 28.1 | 57.1 | B | 9.4 | | 14.4 | 5.0 | B | 8.5 | 35 | 30.5 | 11.8 | B | 9.5 | | 56.8 | 40.1 | |
| 9.1 | | 54.8 | 32.7 | | 9.4 | | 33.7 | 24.7 | | 9.5 | | 20.7 | 18.4 | | 8.9 | | 31.7 | 33.3 | | 9.4 | 58 | 23.2 | 25.2 | |
| 9.2 | 7 | 9.3 | 9.1 | | 9.4 | | 49.4 | 20.2 | | 9.5 | | 27.3 | 48.0 | | 9.1 | 36 | 14.0 | 58.1 | | 9.5 | 59 | 12.9 | 46.3 | *a* |
| 8.5 | | 10.1 | 47.3 | K | 9.4 | 41 | 25.6 | 48.4 | B | 9.5 | | 50.0 | 53.7 | | 4.0 | | 40.0 | 45.6 | K | 9.5 | 0 | 4.1 | 2.1 | |
| 9.5 | | 17.3 | 36.1 | | 8.3 | | 27.2 | 4.0 | K | 9.5 | 6 | 25.4 | 52.1 | | 9.5 | | 54.6 | 44.7 | B | 9.3 | | 12.3 | 56.9 | |
| 8.8 | 8 | 23.2 | 7.8 | | 9.5 | | 34.5 | 27.3 | | 9.4 | | 48.1 | 3.4 | B | 9.5 | 37 | 22.2 | 7.6 | | 9.5 | | 42.8 | 7.2 | |
| 9.5 | 9 | 4.7 | 0.5 | | 9.5 | | 45.6 | 34.7 | B | 9.2 | 7 | 39.1 | 10.1 | | 9.5 | | 37.0 | 43.9 | *a* | 9.2 | | 55.5 | 39.0 | Kb |
| 8.6 | | 52.8 | 19.6 | L | 8.8 | 42 | 37.2 | 19.1 | | 9.0 | | 49.0 | 17.4 | K | 9.1 | 38 | 12.7 | 43.6 | Kb | 9.3 | | 55.5 | 29.3 | |
| 8.6 | 10 | 5.0 | 36.8 | L | 8.7 | 43 | 1.6 | 39.2 | K | 9.4 | 8 | 29.0 | 41.8 | | 9.5 | 40 | 30.5 | 27.7 | | 9.3 | 1 | 17.2 | 3.0 | |
| 9.0 | | 8.7 | 48.6 | K | 8.4 | | 27.2 | 21.8 | | 9.5 | | 30.0 | 52.0 | | 8.8 | 41 | 14.4 | 18.8 | | 9.4 | | 19.1 | 11.6 | |
| 9.3 | | 12.2 | 29.7 | | 9.5 | | 36.7 | 21.5 | | 9.5 | | 30.3 | 56.1 | | 9.1 | | 25.0 | 59.2 | K | 9.5 | | 31.2 | 40.4 | |
| 9.4 | | 32.4 | 42.1 | | 9.3 | | 37.9 | 0.8 | | 6.8 | 9 | 26.8 | 11.0 | K | 9.2 | | 46.6 | 56.0 | | 9.2 | 2 | 36.0 | 7.0 | *a* |
| 9.4 | | 41.2 | 42.3 | B | 9.3 | 44 | 18.6 | 13.9 | | 8.2 | 10 | 39.3 | 16.7 | K | 9.0 | | 59.3 | 12.1 | L | 7.6 | 3 | 47.2 | 23.1 | K |
| 9.2 | 13 | 8.6 | 18.9 | *b* | 9.5 | | 18.7 | 42.0 | | 9.5 | | 52.0 | 30.3 | | 9.3 | 42 | 4.0 | 23.2 | | 8.9 | | 55.2 | 9.9 | K |
| 8.4 | | 29.3 | 39.3 | K | 9.5 | | 28.5 | 1.7 | | 9.1 | 11 | 16.8 | 51.0 | *b* | 9.1 | | 4.7 | 44.6 | K | 9.5 | | 56.8 | 37.3 | *a* |
| 7.0 | 14 | 14.2 | 44.2 | K | 8.9 | 45 | 16.6 | 43.4 | *b* | 9.4 | | 45.7 | 32.0 | B | 9.3 | | 6.6 | 51.6 | | 9.1 | 4 | 35.9 | 20.8 | *a* |
| 9.2 | | 59.0 | 45.2 | | 9.4 | | 22.2 | 35.4 | | 9.5 | | 54.3 | 31.5 | | 8.7 | | 21.8 | 26.6 | K | 9.4 | | 41.1 | 32.5 | B |
| 9.2 | 15 | 2.0 | 43.9 | *a* | 9.5 | | 31.2 | 42.7 | | 8.4 | 12 | 30.3 | 19.1 | L | 9.5 | | 45.3 | 53.3 | | 9.5 | | 52.2 | 31.4 | *a* |
| 9.0 | | 21.7 | 43.7 | B | 9.4 | | 54.1 | 14.7 | | 8.0 | | 50.5 | 13.6 | B | 4.5 | 43 | 31.0 | 31.5 | Kb | 8.1 | | 58.3 | 47.0 | K |
| 9.3 | | 34.2 | 50.5 | | 9.4 | 46 | 18.7 | 46.1 | | 9.5 | 13 | 32.7 | 49.8 | | 8.3 | | 35.5 | 5.8 | K | 9.5 | 5 | 2.3 | 57.5 | B |
| 8.0 | 16 | 0.3 | 11.3 | K | 9.4 | | 47.0 | 12.8 | | 9.5 | | 49.7 | 37.4 | | 9.1 | | 37.1 | 57.3 | *a* | 8.8 | | 37.9 | 48.4 | K |
| 9.2 | | 41.5 | 53.4 | | 9.4 | 47 | 34.2 | 32.3 | | 9.1 | 14 | 3.0 | 30.5 | K | 9.3 | | 47.5 | 13.1 | | 9.2 | 6 | 14.8 | 51.2 | *a* |
| | | + | − | | | | + | − | | | | + | − | | | | + | − | | | | + | − | |
| *10pr.* | | *27.31* | *2.87* | | *10pr.* | | *26.66* | *2.61* | | *10pr.* | | *26.02* | *2.36* | | *10pr.* | | *25.39* | *2.00* | | *10pr.* | | *25.01* | *1.72* | |

*2766ᵃ*
*9.5* | *54* | *12.1* | *8.3*

| 2801—2860 | | | | | 2861—2920 | | | | | 2921—2980 | | | | | 2981—3040 | | | | | 3041—3100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16ᵐ | | +26° | | | 16ᵐ | | +26° | | | 16ᵐ—17ᵐ | | +26° | | | 17ᵐ | | +26° | | | 17ᵐ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.2 | 6 | 26.6 | 48.9 | K | 9.5 | 28 | 50.8 | 22.3 | | 9.0 | 50 | 48.9 | 17.9 | | 9.4 | 9 | 12.9 | 51.9 | B | 9.2 | 27 | 39.5 | 11.8 | |
| 9.5 | | 41.5 | 43.0 | B | 9.4 | 29 | 14.1 | 20.6 | a | 9.4 | 51 | 45.2 | 23.3 | | 9.5 | | 14.5 | 55.7 | | 9.5 | | 49.5 | 53.0 | |
| 9.4 | 7 | 3.8 | 48.0 | | 8.8 | | 39.3 | 46.7 | K | 9.5 | 52 | 42.6 | 3.3 | | 9.4 | | 40.5 | 47.2 | | 8.5 | 28 | 6.1 | 47.5 | L |
| 8.5 | | 10.0 | 54.0 | K | 7.7 | 30 | 55.0 | 49.2 | K | 9.2 | | 44.6 | 51.2 | | 9.5 | | 54.3 | 38.0 | | 9.4 | | 13.9 | 12.1 | B |
| 9.3 | | 37.9 | 22.9 | | 9.3 | 31 | 3.1 | 14.7 | K | 9.5 | | 50.5 | 20.7 | | 9.4 | 10 | 8.7 | 14.1 | B | 9.0 | | 49.2 | 30.0 | |
| 9.4 | 8 | 41.3 | 54.4 | R | 9.4 | | 3.6 | 25.6 | | 9.5 | | 53.5 | 13.1 | B | 9.5 | | 10.4 | 32.7 | | 9.5 | 29 | 5.6 | 54.8 | |
| 9.4 | 9 | 0.1 | 35.7 | K | 9.5 | | 11.3 | 54.3 | | 9.5 | | 55.7 | 21.5 | B | 9.5 | | 15.1 | 29.8 | | 9.1 | | 20.7 | 30.3 | a |
| 9.4 | | 8.4 | 0.9 | | 9.4 | | 12.9 | 58.9 | | 9.0 | 53 | 43.8 | 50.1 | K | 9.2 | | 21.5 | 23.9 | B | 9.0 | 30 | 12.6 | 4.0 | L |
| 8.1 | | 44.0 | 5.7 | L | 9.5 | | 55.2 | 6.6 | | 9.2 | | 47.6 | 10.9 | | 9.3 | | 40.2 | 46.1 | | 9.3 | | 26.5 | 20.0 | |
| 9.5 | | 44.9 | 48.0 | | 9.5 | | 59.1 | 13.7 | | 8.9 | 54 | 3.6 | 40.1 | K | 9.0 | | 47.1 | 44.1 | S | 9.3 | | 56.3 | 32.0 | B |
| 9.4 | | 50.0 | 15.8 | | 9.5 | 32 | 35.8 | 41.6 | | 9.5 | | 17.7 | 17.8 | | 9.3 | 11 | 8.7 | 11.0 | B | 8.8 | | 57.2 | 37.9 | K |
| 9.5 | 10 | 30.7 | 40.8 | | 9.0 | 33 | 20.8 | 56.0 | K | 8.2 | | 24.3 | 27.7 | K | 8.0 | | 12.1 | 52.3 | K | 9.2 | 31 | 10.0 | 51.7 | K |
| 9.4 | | 35.4 | 58.4 | Rb | 9.3 | | 22.4 | 45.8 | | 9.1 | | 41.3 | 22.9 | K | 8.5 | | 14.9 | 13.4 | K | 8.5 | 32 | 53.8 | 37.2 | Kb |
| 9.5 | | 40.5 | 22.8 | | 9.0 | | 35.9 | 25.9 | K | 8.0 | | 49.0 | 41.2 | K | 7.5 | | 18.0 | 2.7 | K | 8.1 | 33 | 23.8 | 50.7 | K |
| 9.5 | 11 | 18.9 | 50.9 | | 9.5 | 34 | 15.5 | 45.9 | | 9.5 | | 50.5 | 28.2 | | 9.5 | | 48.6 | 22.4 | | 9.4 | | 29.5 | 22.2 | B |
| 8.8 | 12 | 9.1 | 12.8 | S | 9.4 | 35 | 8.1 | 5.6 | a | 9.2 | 55 | 59.4 | 3.8 | | 9.5 | | 50.0 | 47.8 | | 9.3 | 34 | 47.2 | 24.1 | |
| 6.5 | | 23.2 | 15.1 | L | 9.0 | | 10.5 | 48.8 | K | 8.6 | 56 | 48.5 | 47.6 | K | 9.5 | | 57.9 | 55.5 | | 9.3 | | 53.4 | 5.6 | |
| 9.4 | | 38.1 | 11.7 | B | 9.4 | | 11.8 | 7.2 | K | 9.3 | | 54.8 | 57.9 | a | 9.5 | 12 | 38.4 | 11.5 | | 9.5 | | 58.9 | 15.4 | a |
| 9.2 | | 44.0 | 23.9 | B | 7.3 | | 37.6 | 21.9 | K | 9.4 | 57 | 12.5 | 52.7 | | 9.5 | 13 | 18.3 | 10.1 | | 9.5 | | 58.9 | 32.2 | |
| 9.4 | | 50.1 | 23.7 | B | 9.4 | | 50.7 | 24.3 | | 9.5 | | 31.3 | 59.2 | | 9.4 | | 39.3 | 0.2 | B | 9.0 | 35 | 9.9 | 2.2 | |
| 9.4 | 13 | 10.6 | 49.4 | B | 9.3 | | 51.4 | 27 3 | B | 9.4 | 58 | 22.3 | 43.0 | B | 9.5 | | 40.6 | 49.8 | | 9.5 | | 26.2 | 47.9 | a |
| 9.3 | | 13.0 | 14.3 | | 7.1 | 36 | 58.5 | 6.9 | K | 9.0 | | 27.6 | 38.2 | K | 9.0 | 14 | 27.9 | 21.7 | | 9.1 | | 35.7 | 14.5 | a |
| 9.5 | | 30.7 | 12.5 | B | 9.2 | 37 | 5.6 | 47.5 | a | 9.1 | | 43.6 | 48.5 | a | 8.7 | | 39.9 | 41.7 | | 9.2 | | 54.7 | 30.9 | B |
| 8.5 | | 37.2 | 21.2 | K | 9.5 | | 6.9 | 28.4 | B | 8.5 | 59 | 10.3 | 28.9 | K | 9.5 | 15 | 16.6 | 34.5 | | 9.3 | 36 | 27.1 | 36.5 | B |
| 9.5 | | 39.2 | 37.5 | | 8.0 | | 10.7 | 19.3 | K | 9.3 | | 36.4 | 58.3 | | 8.2 | | 28.7 | 6.7 | K | 9.0 | | 35.0 | 3.1 | |
| 9.5 | 14 | 9.5 | 24.2 | | 9.5 | | 26.3 | 8.5 | | 8.0 | | 43.2 | 40.0 | L | 9.2 | | 36.6 | 20.7 | | 7.9 | | 48.4 | 38.2 | K |
| 7.8 | | 35.3 | 14.8 | K | 9.4 | | 27.2 | 16.4 | | 8.6 | | 57.6 | 39.5 | L | 8.8 | | 44.5 | 10.6 | K | 9.3 | 37 | 5.3 | 50.0 | B |
| 8.3 | | 37.6 | 26.5 | K | 9.0 | | 41.9 | 27.5 | K | 9.0 | 0 | 11.9 | 58.7 | K | 9.1 | 16 | 15.5 | 6.2 | a | 9.1 | | 4.2 | 33 4 | K |
| 9.3 | | 58.1 | 47.7 | | 8.3 | | 56.9 | 30.6 | K | 9.0 | | 15.8 | 53.2 | K | 8.6 | | 18.2 | 13.3 | K | 9.3 | | 14.2 | 57.8 | K |
| 9.5 | 15 | 2.4 | 20.5 | | 9.5 | | 59.1 | 53.5 | B | 8.7 | | 26.0 | 25.5 | K | 8.5 | | 18.6 | 40.3 | | 9.5 | | 53.1 | 16.6 | |
| 9.3 | | 16.4 | 9.7 | B | 9.4 | 38 | 2.0 | 54.3 | B | 9.0 | | 26.8 | 52.3 | K | 9.2 | | 56.9 | 39.6 | K | 9.4 | | 55.7 | 57.5 | |
| 9.4 | | 24.5 | 8.7 | a | 9.5 | | 24.7 | 36.9 | | 8.8 | | 27.2 | 42.1 | K | 9.4 | 17 | 31.1 | 55.1 | | 9.2 | 38 | 17.6 | 23.8 | |
| 9.5 | 16 | 7.8 | 28.9 | | 9.5 | 39 | 25.8 | 58.0 | | 9.4 | | 43.3 | 38.0 | | 9.5 | | 50.0 | 35.2 | | 9.4 | 39 | 0.3 | 12.2 | Bb |
| 9.5 | | 46.2 | 33.6 | | 8.4 | | 38.6 | 51.8 | R | 8.6 | | 49.0 | 8.3 | L | 9.5 | 18 | 43.8 | 14.5 | | 9.4 | | 10.1 | 20.1 | |
| 8.9 | 18 | 24.3 | 46.6 | K | 8.9 | | 42.3 | 3.9 | K | 9.5 | | 52.4 | 23.0 | B | 9.5 | | 50.0 | 55.2 | | 9.0 | 40 | 45.4 | 11.5 | |
| 9.5 | | 52.5 | 50.1 | | 8.2 | 40 | 7.0 | 18.3 | K | 9.4 | | 54.5 | 16.2 | | 8.5 | 19 | 24.2 | 39.2 | K | 8.8 | | 49.7 | 13.2 | |
| 9.2 | | 56.5 | 46.9 | K | 9.3 | | 35.3 | 16.5 | | 9.4 | 1 | 7.2 | 16.5 | B | 8.7 | | 38.9 | 53.9 | K | 9.5 | 41 | 4.4 | 19.6 | |
| 9.4 | 19 | 17.5 | 22.3 | | 9.5 | | 54.0 | 3.2 | B | 9.5 | | 19.0 | 3.2 | | 9.0 | 21 | 0.6 | 32.8 | K | 9.4 | | 13.7 | 27.8 | |
| 9.4 | | 47.6 | 6.1 | | 9.4 | 41 | 4.4 | 40.1 | | 8.7 | | 42.1 | 44.4 | K | 9.5 | | 1.4 | 48.6 | | 9.3 | | 18.7 | 34.2 | |
| 9.3 | | 56.0 | 28.1 | a | 9.3 | | 8.4 | 3.8 | aB | 9.0 | 2 | 34.2 | 48.2 | K | 9.0 | | 1.4 | 56.9 | K | 9.4 | | 18.9 | 0.8 | |
| 9.2 | 20 | 18.1 | 1.3 | B | 9.3 | | 12.9 | 53.5 | | 9.4 | | 47.6 | 31.3 | | 9.1 | | 44.1 | 24.2 | K | 9.0 | 42 | 3.7 | 59.4 | |
| 9.4 | | 56.9 | 39.9 | | 9.4 | | 16.6 | 21.6 | B | 9.5 | 3 | 37.8 | 55.5 | | 9.1 | | 45.4 | 32.7 | K | 9.1 | | 18.2 | 11.4 | ab |
| 9.2 | 21 | 25.4 | 33.1 | B | 9.1 | | 38.0 | 49.9 | ab | 7.2 | 4 | 5.6 | 38.0 | Kb | 7.9 | | 46.2 | 54.8 | K | 9.5 | | 25.0 | 37.3 | |
| 9.5 | | 51.3 | 26.4 | | 7.8 | 42 | 38.7 | 51.4 | Kb | 9.4 | 5 | 23.6 | 28.6 | | 9.1 | 22 | 2.9 | 20.0 | | 9.5 | | 38.4 | 22.9 | |
| 6.5 | | 56.6 | 18.6 | K | 9.5 | 43 | 6.2 | 39.4 | | 9.4 | | 31.5 | 57.8 | B | 9.1 | | 3.6 | 46.8 | a | 9.5 | 43 | 22.8 | 52.2 | |
| 8.6 | 22 | 0.7 | 51.6 | K | 8.3 | | 37.0 | 16.9 | L | 9.5 | | 42.9 | 5.6 | | 8.6 | | 34.7 | 7.1 | | 9.5 | | 40.5 | 39.8 | |
| 9.4 | | 49.9 | 18.7 | | 7.0 | 44 | 8.2 | 27.6 | Kb | 8.5 | | 57.0 | 47.6 | K | 8.1 | | 56.7 | 51.2 | K | 8.6 | 44 | 5.5 | 13.9 | K |
| 9.3 | 23 | 13.4 | 57.7 | K | 9.2 | | 11.0 | 5.9 | K | 9.0 | | 58.9 | 22.5 | | 8.5 | 23 | 3.8 | 19.5 | L | 9.2 | | 19.4 | 59.5 | |
| 9.4 | | 30.6 | 33.1 | | 9.3 | 45 | 49.9 | 39.7 | | 9.5 | 6 | 27.1 | 4.8 | | 9.3 | | 16.9 | 13.9 | B | 9.3 | | 30.5 | 6.9 | K |
| 9.5 | 24 | 0.2 | 55.7 | | 9.3 | 47 | 14.2 | 12.5 | Kb | 8.9 | | 32.2 | 52.6 | K | 9.5 | | 28.9 | 35.5 | | 9.5 | | 43.2 | 11.1 | |
| 8.2 | | 56.1 | 21.2 | K | 8.7 | | 37.9 | 32.5 | K | 9.5 | | 48.0 | 3.5 | | 9.4 | 24 | 13.2 | 34.1 | | 9.0 | | 56.9 | 30.4 | Kb |
| 7.9 | 25 | 26.4 | 9.8 | L | 8.9 | | 41.4 | 40.8 | K | 9.2 | | 56.9 | 29.0 | | 9.5 | | 28.5 | 11.2 | | 9.4 | 45 | 8.3 | 46.7 | a |
| 9.3 | | 28.7 | 38.8 | | 9.4 | | 50.2 | 39.2 | B | 9.0 | 7 | 27.5 | 10.6 | K | 9.1 | | 37.6 | 4.6 | K | 9.5 | | 9.3 | 2.9 | |
| 8.4 | | 37.1 | 44.7 | K | 9.1 | | 50.3 | 2.2 | K | 9.4 | | 36.1 | 5.1 | | 5.0 | | 52.3 | 13.8 | Kb | 9.5 | | 12.9 | 23.0 | |
| 7.5 | | 57.2 | 20.6 | K | 9.1 | | 58.7 | 1.0 | K | 9.5 | | 55.3 | 47.2 | | 9.0 | 25 | 29.1 | 9.5 | B | 9.3 | | 13.4 | 42.1 | |
| 9.5 | 27 | 46.7 | 56.8 | | 9.3 | 49 | 12 3 | 50.1 | | 8.6 | 8 | 3.3 | 20.7 | K | 9.2 | 26 | 7.1 | 24.5 | | 9.1 | | 20.2 | 16.7 | K |
| 9.3 | 28 | 20.9 | 9 9 | | 9.5 | | 31.4 | 56.4 | | 8.5 | | 13.5 | 59.2 | K | 9.5 | | 23.9 | 13.5 | | 9.2 | 46 | 0.5 | 55.4 | |
| 9.3 | | 29.9 | 40.5 | | 9.5 | | 54.6 | 14.3 | a | 9.0 | | 21.2 | 27.2 | K | 7.0 | | 34.4 | 33.4 | K | 9.3 | | 6.2 | 45.7 | B |
| 9.4 | | 35.0 | 28.4 | | 9.5 | 50 | 8.3 | 12.7 | | 8.7 | | 28.7 | 56.5 | K | 9.1 | 27 | 8.6 | 51.0 | K | 8.2 | | 7.9 | 53.9 | L |
| 9.3 | | 37.7 | 18.5 | K | 9.4 | | 48.8 | 32.5 | | 6.8 | | 40.2 | 13.8 | L | 9.3 | | 25.8 | 5.8 | | 7.8 | | 17.7 | 21.1 | L |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 24.74 | 1.47 | | 10pr. | | 24.48 | 1.17 | | 10pr. | | 24.28 | 0.86 | | 10pr. | | 24.17 | 0.63 | | 10pr. | | 24.09 | 0.32 | |

3101—3160

| | 17ᵃ | +26° | |
|---|---|---|---|
| m | | ′ | |
| 9.2 | 46′ 17.8 | 28.7 | *a* |
| 8.9 | 27.4 | 32.8 | B |
| 9.2 | 29.2 | 6.9 | |
| 9.3 | 30.8 | 50.2 | |
| 9.0 | 38.7 | 47.9 | B |
| 8.9 | 42.4 | 55.5 | |
| 9.4 | 49.5 | 10.1 | |
| 9.5 | 56.8 | 10.1 | |
| 9.5 | 47 4.4 | 54.1 | |
| 9.0 | 13.0 | 27.3 | |
| 9.1 | 40.5 | 18.8 | *a* |
| 9.0 | 42.5 | 6.6 | Kb |
| 8.9 | 49.5 | 29.8 | |
| 9.5 | 51.3 | 35.4 | |
| 9.4 | 48 13.9 | 43.2 | |
| 9.4 | 27.7 | 28.7 | *a* |
| 9.5 | 58.4 | 16.0 | |
| 9.2 | 49 14.5 | 7.2 | R |
| 9.5 | 32.0 | 51.9 | |
| 5.7 | 35.4 | 5.4 | Rb |
| 9.5 | 48.2 | 54.0 | |
| 9.5 | 49.1 | 29.0 | |
| 9.3 | 59.4 | 7.7 | |
| 8.5 | 50 4.9 | 22.2 | |
| 9.5 | 24.4 | 30.8 | |
| 8.5 | 29.2 | 38.7 | |
| 9.3 | 31.6 | 54.1 | |
| 9.5 | 36.6 | 0.0 | |
| 8.8 | 48.0 | 39.4 | |
| 9.4 | 51 2.1 | 56.8 | *a* |
| 9.2 | 8.6 | 58.9 | K |
| 9.2 | 31.2 | 25.0 | B |
| 9.5 | 31.3 | 28.5 | |
| 8.4 | 34.2 | 37.3 | |
| 9.2 | 48.4 | 16.7 | B |
| 9.2 | 54.4 | 2.2 | K |
| 9.5 | 52 19.1 | 38.6 | |
| 9.5 | 32.0 | 58.4 | |
| 9.4 | 35.3 | 53.5 | |
| 9.1 | 53 3.0 | 21.4 | K |
| 9.5 | 22.1 | 41.5 | *a* |
| 9.0 | 34.1 | 30.1 | K |
| 9.0 | 54 40.8 | 42.2 | K |
| 9.1 | 55 2.6 | 4.0 | K |
| 8.2 | 6.7 | 33.8 | S |
| 8.4 | 10.1 | 17.6 | B |
| 9.5 | 31.6 | 27.3 | |
| 9.0 | 54.2 | 43.0 | B |
| 9.0 | 56 5.5 | 55.4 | K |
| 9.5 | 6.0 | 33.5 | |
| 7.3 | 36.2 | 22.1 | K |
| 9.4 | 39.8 | 23.7 | B |
| 9.4 | 50.1 | 20.9 | |
| 9.5 | 57 8.3 | 55.5 | |
| 8.5 | 10.7 | 49.6 | K |
| 9.5 | 18.9 | 54.5 | *B* |
| 8.3 | 20.4 | 3.8 | |
| 8.7 | 29.6 | 54.5 | B |
| 9.2 | 51.9 | 3.8 | K |
| 7.0 | 58 7.7 | 39.3 | K |
| *10 pr.* | + *24.06* | − *0.13* | |

3161—3220

| | 17ᵃ—18ᵃ | +26° | |
|---|---|---|---|
| m | | ′ | |
| 9.5 | 58′ 39.5 | 15.6 | |
| 9.5 | 51.4 | 56.0 | |
| 9.4 | 53.7 | 35.7 | B |
| *9.5 | 59 5.0 | 30.8 | |
| *9.4 | 31.1 | 32.2 | |
| 9.3 | 0 4.1 | 17.4 | |
| 9.4 | 18.8 | 25.6 | |
| 9.0 | 26.3 | 20.8 | Kb |
| 9.4 | 36.1 | 41.5 | K |
| 9.5 | 39.1 | 16.0 | |
| 9.4 | 1 3.8 | 41.6 | B |
| 9.5 | 10.8 | 42.9 | |
| 9.4 | 20.0 | 54.3 | |
| 9.5 | 36.2 | 34.3 | |
| 7.4 | 42.1 | 23.8 | K |
| 9.5 | 47.3 | 23.8 | |
| 9.4 | 56.2 | 42.5 | |
| 5.9 | 59.0 | 4.9 | K |
| 9.2 | 2 4.4 | 59.8 | |
| 9.0 | 13.2 | 49.0 | K |
| 8.0 | 57.9 | 57.0 | K |
| 9.4 | 3 33.4 | 35.1 | B |
| 9.5 | 33.8 | 43.9 | |
| 9.1 | 43.2 | 56.0 | K |
| 9.2 | 4 10.2 | 51.1 | B |
| 9.5 | 48.0 | 50.9 | *a* |
| 7.7 | 5 15.1 | 38.3 | Kb |
| 9.5 | 27.3 | 57.8 | |
| 9.5 | 29.2 | 46.2 | |
| 9.5 | 6 17.6 | 31.2 | |
| 9.5 | 7 19.8 | 46.9 | |
| 8.8 | 26.2 | 27.7 | |
| 9.5 | 29.1 | 49.2 | |
| 9.3 | 34.4 | 14.5 | B |
| 7.0 | 36.6 | 12.4 | K |
| 9.5 | 40.0 | 56.8 | |
| 9.3 | 41.1 | 15.0 | *a* |
| 9.1 | 8 0.1 | 33.9 | *a* |
| 8.1 | 6.6 | 43.1 | B |
| 9.5 | 55.9 | 48.2 | |
| 9.5 | 57.8 | 4.0 | |
| 9.5 | 9 11.3 | 1.0 | B |
| *9.5 | 38.4 | 31.2 | |
| *9.5 | 46.6 | 30.7 | |
| 9.2 | 46.7 | 2.0 | *a* |
| 9.5 | 10 5.1 | 15.8 | |
| 9.2 | 15.6 | 25.9 | |
| 9.2 | 11 6.8 | 47.5 | |
| 8.5 | 7.2 | 43.2 | L |
| 9.1 | 17.4 | 10.1 | *ab* |
| 9.2 | 20.9 | 37.1 | |
| 8.8 | 40.7 | 1.8 | |
| 9.5 | 48.6 | 56.3 | |
| 9.5 | 56.1 | 26.2 | |
| 9.0 | 56.8 | 36.6 | |
| 9.5 | 12 4.2 | 52.2 | |
| 9.5 | 13 29.2 | 12.4 | *B* |
| 9.5 | 49.1 | 58.9 | |
| 8.3 | 14 18.1 | 26.5 | L |
| 9.3 | 22.5 | 11.9 | |
| *10 pr.* | + *24.06* | + *0.10* | |

3221—3280

| | 18ᵃ | +26° | |
|---|---|---|---|
| m | | ′ | |
| 9.1 | 14′ 58.1 | 11.9 | *ab* |
| 8.3 | 15 27.4 | 38.3 | L |
| 9.4 | 55.7 | 56.7 | |
| 9.4 | 56.1 | 50.9 | B |
| 9.5 | 16 0.8 | 19.8 | |
| 9.5 | 17.3 | 3.7 | |
| 9.5 | 17.9 | 39.6 | |
| 9.4 | 25.7 | 14.3 | |
| 8.7 | 47.6 | 45.2 | K |
| 8.7 | 52.1 | 9.1 | K |
| 9.0 | 52.6 | 19.9 | |
| 9.4 | 59.9 | 19.9 | |
| 8.8 | 17 34.1 | 21.1 | K |
| 9.2 | 42.8 | 17.4 | *B* |
| 9.4 | 42.9 | 29.5 | |
| 9.5 | 55.5 | 55.9 | |
| 9.5 | 18 19.8 | 47.1 | B |
| 8.0 | 24.1 | 15.5 | L |
| 9.4 | 40.3 | 2.8 | |
| 9.5 | 43.7 | 13.0 | |
| 9.3 | 54.1 | 52.0 | |
| 9.4 | 58.4 | 45.3 | |
| 9.3 | 59.3 | 15.7 | B |
| 9.5 | 19 13.5 | 17.0 | |
| 9.1 | 19.1 | 49.5 | *a* |
| 9.0 | 22.1 | 38.7 | |
| 7.7 | 30.3 | 0.3 | K |
| 9.5 | 40.0 | 49.4 | |
| 9.2 | 54.0 | 18.8 | |
| 8.7 | 55.6 | 33.9 | |
| 9.5 | 56.2 | 43.8 | |
| 9.5 | 59.6 | 53.4 | |
| 8.7 | 20 21.4 | 45.8 | Kb |
| 9.5 | 26.5 | 17.9 | |
| 7.1 | 29.1 | 9.0 | K |
| 8.9 | 38.2 | 14.4 | K |
| 6.5 | 38.5 | 22.2 | K |
| 9.5 | 45.0 | 53.0 | |
| 6.1 | 51.1 | 21.7 | K |
| 9.3 | 55.1 | 22.4 | B |
| 9.5 | 55.7 | 55.9 | |
| 9.5 | 21 16.5 | 46.3 | |
| 9.4 | 19.3 | 48.3 | |
| 9.0 | 23.0 | 20.1 | |
| 9.2 | 37.1 | 22.8 | K |
| 9.5 | 22 1.1 | 6.2 | B |
| 9.0 | 12.0 | 41.3 | |
| 9.1 | 15.1 | 35.9 | K |
| 8.8 | 21.1 | 43.8 | K |
| 9.5 | 30.3 | 6.2 | *B* |
| 8.6 | 40.6 | 17.9 | |
| 9.3 | 53.4 | 24.1 | |
| 9.4 | 23 4.2 | 2.7 | |
| 9.3 | 27.3 | 18.4 | B |
| 8.9 | 29.5 | 7.9 | |
| 9.4 | 32.0 | 16.9 | *a* |
| 8.7 | 44.0 | 41.0 | |
| 9.3 | 47.1 | 48.4 | |
| 8.3 | 24 4.2 | 33.6 | K |
| 9.2 | 12.8 | 17.9 | *a* |
| *10 pr.* | + *24.06* | + *0.29* | |

3281—3340

| | 18ᵃ | +26° | |
|---|---|---|---|
| m | | ′ | |
| 9.0 | 24′ 18.6 | 16.3 | |
| 8.8 | 36.7 | 41.2 | K |
| 9.5 | 39.1 | 18.8 | *a* |
| 9.5 | 25 26.3 | 6.2 | |
| 9.5 | 26 5.1 | 26.9 | |
| 9.3 | 27.1 | 23.2 | |
| 9.4 | 41.0 | 11.1 | |
| 9.0 | 56.2 | 18.8 | |
| 9.1 | 27 5.1 | 23.5 | *a* |
| 9.1 | 17.4 | 16.9 | Bb |
| 9.5 | 50.0 | 48.8 | |
| 9.4 | 28 9.9 | 53.2 | |
| 9.0 | 17.0 | 49.2 | K |
| 9.1 | 33.1 | 49.5 | K |
| 9.5 | 53.6 | 53.0 | B |
| 9.4 | 55.6 | 53.1 | B |
| 9.1 | 29 0.2 | 6.7 | K |
| 8.9 | 3.1 | 53.9 | K |
| 9.5 | 8.4 | 14.8 | |
| 9.1 | 10.2 | 57.8 | K |
| 9.4 | 16.9 | 56.9 | B |
| 9.3 | 20.0 | 8.9 | |
| 9.3 | 30.2 | 57.0 | B |
| 9.5 | 47.6 | 28.6 | |
| 9.5 | 30 19.1 | 40.9 | |
| 8.9 | 35.7 | 2.3 | |
| 9.2 | 47.6 | 31.5 | *b* |
| 9.3 | 31 8.4 | 2.2 | |
| 9.5 | 14.9 | 29.7 | |
| 9.2 | 41.3 | 26.7 | *a* |
| 9.2 | 52.0 | 16.8 | *a* |
| 9.0 | 54.0 | 45.5 | B |
| 8.9 | 32 29.3 | 46.7 | |
| 9.1 | 34.9 | 16.4 | *a* |
| 9.4 | 46.2 | 51.9 | |
| 9.0 | 49.1 | 58.8 | |
| 9.5 | 33 0.8 | 47.0 | |
| 9.1 | 2.2 | 17.6 | K |
| 7.7 | 44.1 | 27.8 | K |
| 8.4 | 46.7 | 3.5 | L |
| 9.1 | 34 6.5 | 22.0 | |
| 8.7 | 18.2 | 58.3 | K |
| 9.4 | 21.1 | 48.0 | |
| 6.9 | 29.3 | 0.1 | L |
| 9.2 | 44.9 | 27.3 | *a* |
| 9.3 | 35 4.7 | 42.1 | |
| 9.5 | 5.0 | 53.2 | |
| 9.5 | 9.9 | 27.8 | |
| 8.9 | 13.2 | 3.2 | K |
| 8.7 | 21.1 | 15.6 | L |
| 9.5 | 37.4 | 51.7 | |
| 9.4 | 57.6 | 7.5 | |
| 9.2 | 36 7.4 | 3.5 | *a* |
| 9.5 | 18.2 | 41.3 | |
| 9.1 | 32.5 | 9.2 | *a* |
| 9.5 | 52.0 | 30.7 | |
| 9.5 | 37 2.4 | 41.8 | |
| 9.3 | 30.1 | 13.4 | |
| 9.4 | 43.5 | 5.6 | *a* |
| 9.1 | 38 15.7 | 14.1 | *a* |
| *10 pr.* | + *24.12* | + *0.47* | |

3341—3400

| | 18ᵃ | +26° | |
|---|---|---|---|
| m | | ′ | |
| 7.7 | 38′ 22.7 | 5.0 | K |
| 9.5 | 24.9 | 16.1 | |
| 9.2 | 50.1 | 27.0 | *b* |
| 7.8 | 57.7 | 3.2 | K |
| 9.2 | 59.5 | 12.3 | *a* |
| 9.4 | 39 15.8 | 58.7 | |
| 9.3 | 19.6 | 31.3 | |
| 9.5 | 40 5.7 | 38.9 | |
| 4.9 | 14.1 | 30.7 | K |
| 9.5 | 15.1 | 32.7 | |
| 9.5 | 24.9 | 38.2 | B |
| 9.4 | 28.6 | 1.3 | |
| 9.3 | 43.1 | 57.1 | B |
| 8.9 | 45.9 | 20.1 | B |
| 9.5 | 54.8 | 54.9 | |
| 8.8 | 59.1 | 33.9 | |
| 9.2 | 41 0.0 | 49.5 | |
| 9.5 | 1.2 | 4.2 | |
| 9.4 | 26.9 | 7.8 | |
| 9.3 | 29.6 | 39.9 | B |
| 9.4 | 45.4 | 15.9 | |
| 9.5 | 42 59.4 | 35.9 | B |
| 9.3 | 43 7.7 | 29.3 | B |
| 9.4 | 11.4 | 11.0 | |
| 9.0 | 29.2 | 4.1 | K |
| 9.2 | 38.0 | 45.9 | *ab* |
| 9.2 | 52.1 | 8.6 | K |
| 6.7 | 44 4.1 | 16.1 | K |
| 9.4 | 30.4 | 51.9 | B |
| 9.5 | 34.8 | 6.2 | |
| 9.4 | 36.2 | 57.1 | |
| 9.5 | 46 0.5 | 53.1 | |
| 9.0 | 9.2 | 13.8 | |
| 9.5 | 16.7 | 3.2 | |
| 9.0 | 24.7 | 3.6 | R |
| 9.0 | 26.8 | 28.2 | |
| 9.5 | 32.3 | 47.9 | |
| 8.0 | 34.0 | 34.1 | R |
| 7.9 | 34.8 | 21.3 | B |
| 8.1 | 46.1 | 30.9 | R |
| 9.1 | 47 0.0 | 28.9 | *a* |
| 9.1 | 7.1 | 30.1 | *a* |
| 9.5 | 18.6 | 42.0 | |
| 9.5 | 28.4 | 22.2 | |
| 9.0 | 42.3 | 2.3 | Kb |
| 9.2 | 50.8 | 23.7 | *a* |
| 9.2 | 48 20.3 | 1.8 | K |
| 9.5 | 23.5 | 54.8 | |
| 9.3 | 34.4 | 36.1 | |
| 9.3 | 49 3.1 | 15.9 | Kb |
| 9.3 | 4.6 | 10.2 | B |
| 9.1 | 6.0 | 54.1 | *a* |
| 9.4 | 6.6 | 29.6 | |
| 8.4 | 30.4 | 48.9 | K |
| 9.0 | 33.3 | 12.8 | |
| 9.1 | 50 27.6 | 57.9 | K |
| 9.3 | 32.1 | 38.6 | |
| 9.0 | 36.2 | 23.5 | K |
| 9.5 | 41.3 | 44.5 | |
| 9.2 | 42.3 | 1.5 | R |
| *10 pr.* | + *24.18* | + *0.64* | |

3164ᵃ

| | | | |
|---|---|---|---|
| 9.6 | 59 8.6 | 52.0 | B |

3203ᵃ

| | | | |
|---|---|---|---|
| 9.6 | 9 44.4 | 54.6 | B |

| 3401—3460 | | | | | 3461—3520 | | | | | 3521—3580 | | | | | 3581—3640 | | | | | 3641—3700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵐ—19ᵐ | | +26° | | | 19ᵐ | | +26° | | | 19ᵐ | | +26° | | | 19ᵐ | | +26° | | | 19ᵐ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 50 | 49.2 | 24.6 | B | 9.4 | 3 | 6.5 | 6.4 | | 7.2 | 13 | 17.9 | 39.8 | K | 9.5 | 27 | 19.8 | 17.1 | | 9.0 | 35 | 1.2 | 56.2 | K |
| 9.2 | 51 | 3.9 | 44.0 | *a* | 8.5 | | 21.6 | 42.1 | K | 9.5 | | 22.0 | 5.3 | | 9.0 | | 21.3 | 10.1 | B | 9.5 | | 15.0 | 18.6 | *a* |
| 9.5 | | 5.4 | 24.1 | *a* | 9.5 | | 24.3 | 28.8 | *a* | 9.4 | | 57.5 | 55.3 | B | 9.2 | | 22.8 | 10.9 | *a* | 9.5 | | 24.1 | 25.8 | |
| 9.3 | | 6.5 | 21.4 | B | 8.8 | | 28.8 | 7.5 | | 8.5 | 14 | 5.3 | 46.8 | K | 9.4 | | 27.4 | 8.0 | | 9.4 | | 26.5 | 12.2 | K |
| 9.0 | | 15.2 | 44.5 | K | 9.5 | | 45.5 | 31.3 | | 8.8 | | 7.4 | 34.9 | | 9.5 | | 30.0 | 6.2 | | 9.0 | 36 | 6.8 | 18.1 | K |
| 9.0 | | 19.4 | 38.6 | | 9.5 | 4 | 10.6 | 38.9 | | 9.3 | | 8.1 | 12.7 | B | 9.5 | | 47.5 | 23.5 | | 8.3 | | 11.2 | 50.7 | K |
| 9.5 | | 41.8 | 21.1 | | 9.4 | | 36.6 | 8.4 | | 7.5 | | 12.6 | 22.6 | L | 9.5 | 28 | 10.8 | 2.6 | | 8.3 | | 23.6 | 44.3 | K |
| 9.5 | | 47.3 | 56.9 | | 9.5 | | 38.8 | 6.2 | | 7.5 | | 13.6 | 23.6 | L | 9.3 | | 22.0 | 46.5 | | 9.4 | | 31.0 | 10.4 | |
| 9.3 | 52 | 39.6 | 4.5 | | 9.5 | | 56.6 | 38.4 | | 9.1 | | 18.5 | 58.6 | K | 9.5 | | 28.6 | 20.1 | | 8.4 | | 36.6 | 55.2 | L |
| 9.3 | | 54.4 | 33.2 | | 9.3 | 5 | 25.7 | 55.7 | *a* | 8.9 | | 28.6 | 14.9 | | 9.4 | | 30.7 | 1.6 | | 7.8 | 37 | 9.7 | 35.7 | K |
| 9.5 | | 55.0 | 9.0 | *a* | 9.4 | | 28.4 | 51.0 | R | 9.5 | 15 | 10.7 | 0.1 | | 9.0 | | 33.7 | 5.4 | | 9.2 | | 18.1 | 40.6 | K |
| 9.4 | 53 | 6.2 | 17.2 | | 8.1 | | 31.0 | 9.6 | B | 9.5 | | 15.1 | 22.1 | | 9.4 | | 35.2 | 41.2 | B | 9.5 | | 2318 | 5.4 | |
| 9.5 | | 11.7 | 11.1 | | 8.5 | | 31.6 | 35.9 | K | 7.7 | | 45.6 | 21.8 | R | 9.5 | | 59.6 | 33.4 | | 9.5 | | 34.8 | 58.3 | |
| 9.0 | | 24.0 | 10.1 | B | 7.4 | | 37.6 | 30.0 | L | 8.0 | 16 | 39.6 | 53.2 | K | 6.9 | 29 | 3.9 | 54.4 | L | 6.8 | | 59.9 | 47.5 | K |
| 9.5 | | 26.6 | 6.6 | | 9.0 | | 42.3 | 8.8 | | 9.4 | | 48.6 | 12.9 | *a* | 9.5 | | 8.2 | 4.6 | | 9.5 | 38 | 11.8 | 25.2 | |
| 9.5 | | 28.4 | 33.3 | | 7.7 | | 42.6 | 2.4 | K | 9.4 | 17 | 17.6 | 50.7 | K | 9.4 | | 8.8 | 8.6 | | 9.2 | | 24.7 | 39.6 | |
| 9.1 | | 29.9 | 23.4 | | 7.5 | | 50.0 | 0.6 | K | 9.1 | 18 | 0.8 | 1.4 | *a* | 9.5 | | 10.7 | 1.8 | | 9.4 | | 45.8 | 50.8 | |
| 5.8 | | 50.7 | 1.6 | L | 9.1 | 6 | 9.7 | 2.8 | K | 9.3 | | 20.3 | 29.0 | | 9.5 | | 36.4 | 41.3 | | 9.0 | | 55.6 | 52.5 | K |
| 9.3 | 54 | 0.7 | 11.7 | *a* | 8.9 | | 17.8 | 11.2 | | 8.8 | | 24.6 | 55.7 | K | 8.0 | | 38.0 | 47.5 | Kb | 9.3 | 39 | 16.2 | 32.8 | |
| 8.5 | | 5.8 | 9.1 | L | 9.5 | | 20.6 | 36.6 | | 8.8 | | 26.7 | 4.2 | K | 9.4 | | 48.6 | 18.4 | | 9.3 | | 48.8 | 43.3 | K |
| 7.5 | | 8.4 | 45.9 | L | 9.4 | | 24.2 | 52.2 | | 9.5 | | 27.1 | 10.2 | | 8.5 | 30 | 3.4 | 10.2 | K | 9.4 | | 50.1 | 50.2 | |
| 9.2 | | 17.5 | 36.0 | | 9.4 | | 35.8 | 15.2 | | 9.5 | | 31.5 | 31.7 | | 9.0 | | 7.2 | 23.5 | | 8.9 | | 51.9 | 16.9 | K |
| 9.3 | | 25.3 | 0.5 | K | 9.3 | | 43.6 | 11.2 | *a* | 9.1 | | 36.5 | 4.8 | K | 8.4 | | 11.7 | 54.9 | K | 9.3 | 40 | 2.4 | 13.4 | *a* |
| 8.7 | | 57.9 | 53.7 | L | 9.5 | | 51.3 | 4.5 | | 8.9 | | 47.4 | 39.8 | | 9.2 | | 15.8 | 8.6 | | 9.4 | | 3.5 | 50.7 | |
| 8.2 | 55 | 4.1 | 25.2 | L | 8.3 | 7 | 3.6 | 24.0 | | 9.0 | | 48.2 | 53.4 | K | 9.2 | | 21.4 | 21.1 | B | 9.1 | | 39.0 | 48.2 | K |
| 8.5 | | 4.1 | 15.7 | L | var | | 9.4 | 31.7 | | 9.0 | 19 | 0.3 | 12.6 | | 9.0 | | 22.5 | 38.4 | | 9.5 | | 39.0 | 50.7 | |
| 9.3 | | 20.6 | 26.0 | | 9.5 | | 11.5 | 56.2 | *a* | 9.0 | | 6.8 | 24.0 | | 9.3 | | 22.9 | 47.8 | | 9.4 | | 41.5 | 10.3 | B |
| 8.8 | | 23.7 | 30.0 | | 9.1 | | 25.1 | 9.7 | Kb | 9.2 | | 16.6 | 8.5 | K | 8.5 | | 26.2 | 21.0 | B | 9.4 | | 53.7 | 30.0 | |
| 6.2 | | 23.7 | 5.2 | K | 9.5 | | 27.4 | 28.0 | | 8.2 | | 31.7 | 3.3 | K | 9.5 | | 28.1 | 26.6 | | 9.0 | | 58.8 | 21.1 | |
| 8.5 | | 31.4 | 11.5 | K | 9.0 | | 55.3 | 12.7 | K | 9.2 | | 42.5 | 48.5 | B | 9.4 | | 39.0 | 11.5 | | 9.3 | 41 | 0.8 | 32.1 | B |
| 9.2 | | 32.4 | 34.7 | | 9.1 | 8 | 18.0 | 11.4 | *a* | 9.5 | 20 | 10.4 | 39.6 | | 9.5 | | 53.2 | 22.6 | *a* | 9.2 | 42 | 4.4 | 32.9 | K |
| 9.5 | 56 | 35.6 | 49.0 | | 8.6 | | 21.5 | 46.2 | | 9.2 | | 23.6 | 43.6 | K | 9.5 | 31 | 3.3 | 0.5 | | 9.5 | | 13.5 | 59.8 | |
| 9.4 | | 37.6 | 27.5 | Rb | 9.5 | | 26.8 | 2.1 | | 9.2 | | 35.5 | 16.2 | *a* | 9.5 | | 8.0 | 51.2 | | 9.4 | | 19.3 | 1.6 | |
| 9.3 | 57 | 29.4 | 11.7 | | 9.5 | | 35.7 | 6.4 | | 8.5 | | 40.7 | 1.7 | R | 9.0 | | 19.2 | 5.0 | | var | | 27.2 | 55.6 | K |
| 9.4 | | 36.3 | 1.8 | | 9.4 | | 39.2 | 28.4 | | 9.5 | 21 | 4.5 | 44.2 | | 7.5 | | 23.4 | 2.0 | L | 9.4 | | 38.2 | 33.2 | |
| 9.5 | | 51.8 | 4.0 | | 8.2 | | 53.0 | 28.6 | K | 9.5 | | 24.7 | 7.2 | | 9.4 | | 48.2 | 53.7 | Kb | 9.4 | | 50.7 | 13.9 | *a* |
| 8.8 | | 58.5 | 28.7 | | 9.5 | | 56.9 | 53.3 | *a* | 9.5 | | 43.6 | 40.3 | | 9.3 | | 59.7 | 24.8 | *a* | 9.3 | 43 | 48.0 | 32.5 | |
| 9.3 | 58 | 44.9 | 5.8 | *a* | 8.9 | 9 | 27.2 | 7.5 | | 9.3 | | 47.4 | 5.8 | | 9.3 | 32 | 0.0 | 37.9 | | 7.0 | | 57.5 | 43.3 | K |
| 8.8 | | 49.0 | 7.2 | K | 9.4 | | 34.6 | 27.5 | | 8.5 | | 50.6 | 49.7 | K | 9.4 | | 0.8 | 7.5 | | 8.1 | 44 | 2.9 | 48.2 | K |
| 9.5 | | 57.2 | 20.1 | | 9.3 | | 36.0 | 46.8 | | 9.3 | 22 | 11.2 | 19.5 | B | 9.2 | | 3.2 | 45.8 | | 9.4 | | 9.4 | 11.8 | *a* |
| 9.0 | 59 | 0.6 | 8.7 | K | 9.5 | | 37.5 | 4.1 | | 9.2 | | 26.6 | 45.8 | *a* | 9.3 | | 8.9 | 23.3 | B | 9.4 | | 20.2 | 47.0 | |
| 9.2 | | 14.7 | 48.5 | K | 9.5 | 10 | 5.4 | 23.9 | | 9.0 | | 27.5 | 18.9 | R | 9.4 | | 14.5 | 24.3 | *a* | 9.2 | | 25.2 | 5.4 | B |
| 9.5 | | 21.8 | 54.3 | | 9.2 | | 12.0 | 13.7 | *a* | 9.4 | | 45.1 | 40.2 | B | 9.4 | | 18.8 | 23.8 | | 9.5 | | 26.6 | 43.2 | |
| 9.4 | | 23.3 | 0.8 | | 7.5 | | 15.6 | 36.4 | L | 9.5 | | 55.2 | 8.3 | | 9.3 | | 25.6 | 11.4 | *a* | 8.5 | | 27.8 | 20.1 | K |
| 9.5 | | 36.5 | 46.0 | *a* | 9.5 | | 36.7 | 5.1 | | 9.2 | 23 | 8.8 | 5.9 | *a* | 9.2 | | 47.6 | 35.2 | *a* | 9.5 | | 34.6 | 36.1 | |
| 9.0 | 0 | 1.9 | 7.0 | | 8.9 | | 39.8 | 13.9 | | 8.0 | | 19.2 | 25.2 | B | 9.3 | 33 | 1.6 | 54.5 | | 9.2 | | 44.6 | 26.0 | K |
| 9.0 | | 4.4 | 42.7 | K | 8.7 | | 50.7 | 53.9 | | 8.5 | | 23.7 | 2.2 | | 9.5 | | 6.7 | 6.0 | | 9.4 | 45 | 2.2 | 46.0 | |
| 9.5 | | 31.4 | 0.5 | | 9.5 | | 53.3 | 12.5 | | 9.3 | | 25.3 | 13.6 | | 8.9 | | 36.8 | 25.5 | | 8.5 | | 3.0 | 26.8 | K |
| 9.3 | | 37.8 | 14.7 | | 8.3 | 11 | 8.0 | 33.4 | K | 9.5 | 24 | 7.8 | 30.1 | B | 9.4 | | 38.3 | 55.9 | | 8.9 | | 15.1 | 12.3 | K |
| 9.4 | | 41.6 | 35.5 | B | 9.5 | | 13.9 | 2.1 | | 8.6 | | 38.8 | 56.3 | K | 9.5 | | 40.6 | 26.5 | *a* | 9.5 | | 15.3 | 43.0 | |
| 9.1 | | 46.1 | 32.8 | B | 9.0 | | 37.1 | 22.0 | K | 9.2 | 25 | 12.0 | 2.2 | | 8.9 | 34 | 7.6 | 52.2 | | 9.1 | | 19.4 | 13.1 | B |
| 8.3 | 1 | 5.6 | 13.9 | | 9.5 | | 50.6 | 37.9 | | 9.3 | | 22.9 | 49.2 | | 7.0 | | 17.4 | 39.7 | L | 9.4 | | 42.9 | 55.2 | B |
| 8.5 | | 16.0 | 29.1 | R | 8.7 | | 51.1 | 54.9 | K | 6.5 | | 24.9 | 18.6 | K | 9.5 | | 22.2 | 50.0 | | 9.3 | | 43.3 | 20.8 | *a* |
| 9.5 | | 19.9 | 53.1 | | 9.4 | | 57.8 | 7.6 | | 7.7 | | 41.8 | 40.8 | L | 9.5 | | 30.0 | 7.5 | | 8.6 | | 52.7 | 1.6 | K |
| 9.4 | | 29.6 | 12.7 | | 9.5 | 12 | 17.9 | 2.9 | | 9.5 | | 50.1 | 11.2 | | 9.5 | | 32.1 | 14.9 | | 9.2 | | 54.8 | 6.9 | *a* |
| 9.5 | | 31.2 | 34.2 | *a* | 9.5 | | 28.5 | 48.2 | | 9.4 | | 55.0 | 34.2 | | 9.1 | | 36.6 | 41.5 | B | 9.2 | 46 | 14.2 | 8.5 | *a* |
| 9.4 | 2 | 14.0 | 21.3 | | 9.3 | | 34.7 | 6.1 | | 9.5 | 26 | 28.1 | 31.6 | | 9.4 | | 38.7 | 42.1 | | 9.2 | | 14.4 | 2.9 | *a* |
| 8.0 | | 25.7 | 51.9 | K | 9.5 | | 43.4 | 26.7 | | 9.0 | | 34.4 | 5.5 | | 9.5 | | 43.0 | 27.0 | | 8.9 | | 17.4 | 44.9 | B |
| 9.5 | | 42.1 | 8.4 | | 9.5 | | 45.0 | 13.6 | | 9.2 | | 55.2 | 3.0 | *a* | 9.2 | | 49.3 | 0.0 | | 9.0 | | 20.3 | 21.1 | |
| 8.9 | | 44.3 | 57.9 | | 9.5 | | 58.8 | 48.6 | | 9.0 | 27 | 7.4 | 1.8 | | 8.1 | | 55.7 | 47.7 | K | 9.2 | | 21.6 | 46.7 | *a* |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 24.25 | 0.80 | | 10pr. | | 24.34 | 0.98 | | 10pr. | | 24.46 | 1.14 | | 10pr. | | 24.57 | 1.29 | | 10pr. | | 24.70 | 1.43 | |

| 3670ᵐ | | | |
|---|---|---|---|
| nova | 41 | 37 | 57.7 |

### 3701—3760

19ᵐ +26°

| m | ′ | ″ | ′ | |
|---|---|---|---|---|
| 9.1 | 46 | 22.6 | 13.5 | K |
| 9.1 | | 28.0 | 11.0 | K |
| 9.2 | | 30.2 | 30.8 | |
| 8.0 | 47 | 2.6 | 53.0 | K |
| 9.1 | | 9.1 | 4.2 | *a* |
| 8.5 | | 12.5 | 43.2 | Kb |
| 9.2 | | 13.0 | 25.9 | B |
| 7.7 | | 17.7 | 7.5 | K |
| 9.2 | | 19.5 | 58.0 | |
| 9.0 | | 42.4 | 24.9 | |
| 8.0 | | 46.6 | 37.7 | K |
| 7.3 | | 52.0 | 13.2 | K |
| 9.4 | | 57.1 | 35.2 | *a* |
| 9.1 | 48 | 5.6 | 33.7 | *a* |
| 9.1 | | 5.8 | 3.7 | *a* |
| 9.5 | | 30.4 | 26.0 | |
| 8.4 | | 41.4 | 56.9 | K |
| 9.5 | | 45.3 | 5.2 | |
| 9.3 | | 49.9 | 14.9 | |
| 8.5 | | 58.6 | 35.9 | K |
| 8.8 | 49 | 5.5 | 22.5 | K |
| 9.2 | | 6.5 | 37.8 | |
| 8.7 | | 10.8 | 12.1 | K |
| 9.5 | | 18.1 | 44.0 | |
| 8.4 | | 25.2 | 19.8 | K |
| 9.4 | | 33.9 | 1.2 | *a* |
| 9.5 | | 37.7 | 17.7 | |
| 9.5 | | 38.4 | 31.0 | |
| 9.3 | | 49.2 | 22.5 | |
| 9.5 | | 50.6 | 35.1 | |
| 9.5 | 50 | 10.3 | 5.3 | |
| 9.3 | | 14.4 | 43.3 | |
| 9.3 | | 20.0 | 3.2 | *a* |
| 9.5 | | 32.4 | 0.5 | *a* |
| 9.4 | | 38.0 | 0.8 | B |
| 9.5 | | 44.9 | 34.9 | |
| 9.4 | | 51.5 | 54.6 | B |
| 9.5 | | 57.9 | 58.6 | |
| 8.9 | 51 | 2.8 | 10.7 | |
| 9.2 | | 25.1 | 45.7 | B |
| 9.1 | | 26.4 | 10.0 | *a* |
| 9.5 | | 28.8 | 1.9 | |
| 9.4 | | 32.2 | 45.6 | B |
| 8.0 | | 55.6 | 51.9 | B |
| 8.3 | 52 | 0.3 | 50.5 | |
| 9.2 | | 14.8 | 19.2 | K |
| 9.4 | | 15.9 | 3.5 | *a* |
| 9.2 | | 26.9 | 38.4 | K |
| 9.5 | | 27.7 | 6.7 | |
| 9.5 | | 49.6 | 28.8 | |
| 8.6 | 53 | 14.8 | 1.9 | K |
| 9.5 | | 17.6 | 3.8 | |
| 9.0 | | 23.0 | 11.8 | |
| 9.5 | | 26.0 | 20.8 | *a* |
| 9.4 | | 39.4 | 5.4 | |
| 9.2 | | 52.3 | 42.1 | |
| 8.9 | 54 | 21.4 | 16.7 | B |
| 8.2 | | 33.3 | 44.9 | *B* |
| 9.5 | | 36.8 | 10.3 | *a* |
| 9.0 | | 39.5 | 10.8 | |
| | | + | + | |
| *10pr.* | | *24.81* | *1.54* | |

### 3761—3820

19ᵐ—20ᵐ +26°

| m | ′ | ″ | ′ | |
|---|---|---|---|---|
| 9.1 | 54 | 53.1 | 13.7 | *a* |
| 8.8 | 55 | 12.6 | 30.3 | |
| 7.5 | | 15.3 | 47.4 | L |
| 8.6 | | 43.9 | 52.5 | K |
| 9.0 | | 49.5 | 51.0 | K |
| 9.2 | | 54.3 | 40.9 | K |
| 9.2 | 56 | 35.8 | 21.9 | *a* |
| 9.0 | 57 | 0.5 | 11.7 | K |
| 7.7 | | 4.6 | 28.8 | K |
| 9.5 | | 41.2 | 45.6 | *a* |
| 8.7 | | 57.8 | 22.3 | K |
| 9.4 | 58 | 0.2 | 45.0 | Kb |
| 9.5 | | 22.0 | 35.7 | |
| 9.5 | | 27.5 | 57.6 | |
| 9.0 | | 33.6 | 28.5 | K |
| 9.5 | | 37.4 | 39.1 | |
| 9.5 | | 39.2 | 45.2 | |
| 9.2 | | 40.1 | 10.7 | *a* |
| 8.7 | | 43.5 | 32.4 | K |
| 8.4 | | 45.2 | 4.2 | |
| 9.4 | 59 | 6.3 | 42.1 | B |
| 9.5 | | 6.5 | 43.1 | |
| 8.0 | | 11.4 | 36.9 | K |
| 9.5 | | 16.7 | 22.6 | *a* |
| 9.4 | | 27.1 | 51.5 | |
| 8.9 | | 27.9 | 32.7 | K |
| 9.5 | | 41.6 | 50.1 | |
| 9.5 | 0 | 8.0 | 57.9 | |
| 9.5 | | 19.1 | 50.7 | |
| 9.5 | | 27.7 | 6.8 | |
| 9.5 | | 40.7 | 47.0 | |
| 9.2 | | 41.7 | 25.3 | *a* |
| 9.5 | 1 | 3.1 | 10.7 | |
| 9.4 | | 9.0 | 5.9 | B |
| 9.5 | | 11.5 | 32.9 | |
| 9.5 | | 17.0 | 57.7 | *a* |
| 9.4 | | 19.7 | 3.3 | |
| 9.5 | | 19.8 | 7.9 | |
| 8.8 | | 43.8 | 20.6 | K |
| 9.5 | | 55.6 | 30.0 | |
| 9.0 | 2 | 2.9 | 37.4 | |
| 9.3 | | 16.9 | 41.4 | B |
| 8.0 | | 18.2 | 46.8 | K |
| 9.0 | | 26.8 | 41.4 | K |
| 9.3 | | 43.2 | 3.1 | |
| 9.4 | | 48.7 | 54.8 | |
| 9.5 | | 52.7 | 25.1 | *a* |
| 8.7 | 3 | 5.7 | 47.6 | K |
| 9.2 | | 8.2 | 45.9 | *a* |
| 9.5 | | 17.6 | 29.1 | |
| 8.1 | | 46.0 | 54.3 | K |
| 9.5 | | 52.3 | 19.4 | |
| 9.3 | | 56.6 | 10.5 | |
| 9.0 | 4 | 13.1 | 8.5 | *B* |
| 5.7 | | 29.6 | 28.3 | Lb |
| 8.2 | | 53.0 | 53.5 | |
| 9.5 | 5 | 2.4 | 41.8 | B |
| 9.5 | | 9.5 | 56.4 | |
| 9.4 | | 13.7 | 5.5 | |
| 9.5 | | 16.3 | 39.3 | |
| | | + | + | |
| *10pr.* | | *24.96* | *1.68* | |

### 3821—3880

20ᵐ +26°

| m | ′ | ″ | ′ | |
|---|---|---|---|---|
| 9.5 | 5 | 17.5 | 32.7 | |
| 9.4 | | 22.3 | 0.1 | |
| 9.4 | | 26.1 | 7.3 | |
| 9.5 | | 38.5 | 9.2 | |
| 5.8 | | 44.3 | 23.0 | L |
| 6.5 | | 46.2 | 27.8 | L |
| 7.2 | | 53.9 | 18.9 | *P* |
| 6.2 | | 55.9 | 3.0 | Kb |
| ‡9.3 | 6 | 31.6 | 1.7 | |
| 9.4 | | 31.9 | 7.1 | |
| 7.9 | | 57.1 | 50.7 | K |
| 9.5 | | 59.0 | 57.1 | |
| 9.3 | 7 | 27.2 | 45.7 | |
| 9.4 | | 38.8 | 42.7 | |
| 8.7 | | 42.9 | 18.9 | |
| 9.0 | | 44.6 | 28.0 | |
| 9.1 | 8 | 24.4 | 35.9 | *a* |
| 8.4 | | 42.6 | 49.2 | K |
| 9.4 | | 42.6 | 29.2 | |
| 8.8 | | 43.8 | 21.0 | K |
| 9.5 | 9 | 10.3 | 17.0 | B |
| 9.5 | | 33.1 | 8.7 | |
| 9.0 | | 36.9 | 18.3 | K |
| 9.5 | | 46.8 | 56.2 | |
| 9.5 | | 49.7 | 45.8 | |
| 9.1 | | 56.9 | 35.9 | *a* |
| 9.2 | 10 | 8.2 | 47.5 | *a* |
| 9.1 | | 12.9 | 15.9 | *a* |
| 7.5 | | 16.4 | 2.6 | K |
| 7.9 | | 47.8 | 36.5 | B |
| 9.5 | 11 | 11.7 | 24.5 | |
| 8.5 | | 14.2 | 6.2 | |
| 9.5 | | 27.3 | 42.3 | |
| 9.4 | | 33.4 | 22.0 | *B* |
| 9.4 | | 47.4 | 16.6 | |
| 9.1 | 12 | 5.6 | 28.2 | K |
| 9.5 | | 19.1 | 28.0 | *a* |
| 9.5 | | 24.5 | 34.9 | |
| 7.0 | | 45.5 | 32.2 | K |
| 9.3 | | 50.7 | 4.8 | *a* |
| 9.3 | 13 | 9.7 | 4.7 | B |
| 9.4 | | 21.1 | 8.3 | |
| 9.5 | | 25.2 | 25.6 | B |
| 8.2 | | 31.9 | 58.2 | K |
| 9.5 | | 48.1 | 4.3 | |
| 9.0 | | 54.1 | 29.3 | K |
| 9.2 | | 58.2 | 48.1 | *a* |
| 9.5 | 14 | 8.2 | 46.9 | |
| 9.2 | | 14.4 | 37.0 | *a* |
| 9.5 | | 18.3 | 24.2 | *a* |
| 8.3 | | 22.9 | 16.9 | K |
| 9.5 | | 26.2 | 2.8 | |
| 9.5 | | 43.3 | 23.1 | |
| 8.4 | | 56.4 | 57.3 | K |
| 8.8 | 15 | 33.0 | 11.2 | K |
| 9.5 | | 40.0 | 13.7 | *a* |
| 9.5 | 16 | 0.4 | 37.2 | |
| 9.5 | | 2.0 | 33.0 | *a* |
| 9.5 | | 3.1 | 18.2 | |
| 9.3 | | 15.1 | 50.2 | |
| | | + | + | |
| *10pr.* | | *25.12* | *1.81* | |

*3828a*

| | | | | |
|---|---|---|---|---|
| *9.5* | *5* | *56.1* | *5.5* | |

*3828b*

| | | | | |
|---|---|---|---|---|
| *9.5* | *6* | *15.0* | *3.5* | |

### 3881—3940

20ᵐ +26°

| m | ′ | ″ | ′ | |
|---|---|---|---|---|
| 9.5 | 16 | 40.6 | 27.5 | |
| 9.0 | | 43.4 | 43.8 | *B* |
| 9.0 | | 44.1 | 41.4 | B |
| 8.5 | | 46.4 | 40.1 | B |
| 9.5 | | 52.5 | 54.9 | *a* |
| 9.5 | 17 | 6.7 | 47.5 | |
| 9.5 | | 39.8 | 41.6 | |
| 9.2 | 18 | 29.4 | 25.0 | *ab* |
| 9.5 | | 33.0 | 34.2 | *a* |
| 9.4 | | 33.2 | 52.4 | B |
| 8.5 | | 37.7 | 38.8 | *B* |
| 9.0 | 19 | 2.3 | 40.9 | |
| 9.4 | | 4.1 | 56.0 | |
| 9.2 | | 13.5 | 58.9 | B |
| 9.4 | | 18.3 | 56.9 | |
| 9.0 | | 29.1 | 54.4 | |
| 8.2 | | 31.0 | 14.1 | |
| 9.2 | | 36.5 | 13.9 | *a* |
| 9.5 | | 42.2 | 26.0 | *a* |
| 9.4 | | 54.4 | 2.1 | |
| 9.5 | | 58.9 | 17.2 | |
| 9.0 | 20 | 21.3 | 22.6 | |
| 9.1 | | 44.0 | 53.5 | *a* |
| ‡9.5 | 21 | 21.3 | 22.6 | |
| ‡8.7 | 22 | 4.4 | 55.7 | K |
| 9.3 | | 20.9 | 59.1 | B |
| 9.5 | | 43.0 | 47.4 | |
| 9.2 | | 55.1 | 29.0 | *a* |
| 9.5 | 23 | 7.7 | 24.3 | |
| 9.5 | | 9.3 | 2.4 | *a* |
| 8.8 | | 18.4 | 35.7 | |
| 8.2 | | 20.7 | 27.3 | K |
| 9.5 | | 22.0 | 57.1 | |
| 9.3 | | 29.1 | 8.3 | *a* |
| 9.5 | 24 | 3.3 | 21.6 | |
| 9.5 | | 39.1 | 28.3 | |
| 7.7 | | 48.0 | 12.2 | K |
| 9.5 | | 55.1 | 9.0 | *a* |
| 9.4 | 25 | 30.8 | 16.5 | |
| 9.4 | | 41.8 | 20.1 | B |
| 8.2 | | 44.5 | 33.0 | K |
| 8.5 | | 54.5 | 34.9 | K |
| 9.5 | 26 | 6.0 | 15.3 | *B* |
| 9.4 | | 16.5 | 33.5 | |
| 9.5 | | 19.5 | 54.3 | |
| 9.4 | | 23.8 | 41.4 | Rb |
| 9.5 | | 36.7 | 5.8 | *a* |
| 7.1 | | 44.3 | 43.1 | K |
| 9.2 | | 50.1 | 1.2 | |
| 8.7 | 27 | 11.2 | 58.0 | Kb |
| 9.4 | | 14.8 | 29.8 | B |
| 9.5 | | 55.2 | 2.8 | |
| 9.5 | 28 | 34.8 | 22.3 | |
| 9.5 | 29 | 1.2 | 2.0 | |
| 8.8 | | 41.3 | 43.6 | |
| 9.1 | | 43.0 | 14.5 | *ab* |
| 8.1 | 30 | 21.8 | 6.2 | B |
| 8.4 | | 47.5 | 34.4 | B |
| 9.5 | | 58.0 | 14.1 | |
| 9.5 | 31 | 41.7 | 3.3 | |
| | | + | + | |
| *10pr.* | | *25.31* | *1.96* | |

*3904a*

| | | | | |
|---|---|---|---|---|
| *10.0* | *21* | *30.0* | *18.9* | *B* |

*3904b*

| | | | | |
|---|---|---|---|---|
| *10.0* | *21* | *34.8* | *15.9* | *B* |

### 3941—4000

20ᵐ +26°

| m | ′ | ″ | ′ | |
|---|---|---|---|---|
| 8.0 | 31 | 54.6 | 34.5 | B |
| 9.5 | 32 | 7.7 | 55.8 | |
| 8.7 | | 45.5 | 11.5 | |
| 9.5 | 33 | 10.1 | 47.8 | |
| 9.4 | | 16.2 | 44.3 | |
| 8.9 | | 18.1 | 7.0 | |
| 7.5 | | 20.4 | 11.2 | B |
| 9.5 | | 24.2 | 24.0 | *a* |
| 9.5 | | 24.6 | 28.7 | |
| 9.5 | | 28.0 | 13.6 | |
| 9.1 | | 35.1 | 48.8 | *a* |
| 8.8 | | 52.2 | 45.6 | |
| 8.1 | | 59.3 | 33.8 | B |
| 9.5 | 34 | 16.0 | 2.3 | |
| 8.6 | | 20.4 | 18.2 | |
| 9.2 | | 28.6 | 48.8 | *a* |
| 9.3 | | 59.0 | 14.0 | *a* |
| 9.1 | | 59.0 | 32.0 | *ab* |
| 9.5 | 35 | 13.7 | 48.3 | |
| 9.3 | | 36.3 | 55.4 | B |
| 8.4 | | 36.5 | 35.5 | K |
| 9.4 | | 47.0 | 53.0 | *a* |
| 9.5 | | 49.6 | 52.6 | |
| 9.5 | 36 | 48.5 | 2.1 | |
| 9.5 | | 51.7 | 55.3 | |
| 9.4 | | 52.2 | 56.1 | |
| 9.4 | | 54.6 | 28.2 | |
| 9.0 | 37 | 3.7 | 24.1 | K |
| 7.8 | | 13.3 | 43.8 | K |
| 8.5 | | 46.2 | 55.8 | |
| 9.5 | 38 | 8.3 | 22.1 | |
| 9.4 | | 16.1 | 1.9 | |
| 9.0 | | 23.9 | 58.6 | K |
| 9.5 | | 31.5 | 31.6 | |
| 9.0 | | 39.3 | 1.8 | |
| 9.5 | | 42.3 | 7.8 | |
| 9.4 | 39 | 8.7 | 25.7 | |
| 9.4 | | 15.0 | 17.7 | B |
| 9.0 | | 22.0 | 34.6 | |
| 9.4 | | 52.2 | 6.8 | |
| 9.3 | | 57.4 | 16.9 | *a* |
| 9.1 | 40 | 0.4 | 50.9 | B |
| 9.5 | | 35.5 | 0.5 | |
| 9.2 | | 36.1 | 29.7 | *a* |
| 9.4 | | 40.6 | 28.7 | *a* |
| 8.9 | | 47.0 | 34.6 | K |
| 9.3 | | 52.2 | 46.9 | *a* |
| 9.5 | 41 | 0.8 | 59.1 | |
| 9.5 | | 2.7 | 26.8 | *a* |
| 9.5 | | 11.2 | 27.0 | |
| 9.5 | | 17.0 | 32.1 | *a* |
| 9.5 | | 22.2 | 34.1 | B |
| 9.0 | | 23.3 | 42.8 | K |
| 9.5 | | 54.0 | 6.8 | |
| 8.0 | | 55.1 | 55.2 | L |
| 8.8 | 42 | 7.2 | 46.6 | |
| 8.8 | | 11.0 | 52.5 | |
| 8.8 | | 12.6 | 17.1 | K |
| 9.5 | | 27.4 | 57.8 | |
| 9.4 | | 42.7 | 5.3 | *a* |
| | | + | + | |
| *10pr.* | | *25.57* | *2.13* | |

| 4001—4060 | | | | | 4061—4120 | | | | | 4121—4180 | | | | | 4181—4240 | | | | | 4241—4300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | | +26° | | | 20ᵐ—21ᵐ | | +26° | | | 21ᵐ | | +26° | | | 21ᵐ | | +26° | | | 21ᵐ | | +26° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.7 | 42′ | 48.3 | 42′.6 | K | 9.5 | 56′ | 56.3 | 1′.8 | | 9.1 | 11′ | 18.6 | 40′.2 | *ab* | 9.3 | 24′ | 9.9 | 50′.1 | *a* | 9.5 | 35′ | 32.1 | 26′.9 | |
| 9.4 | 43 | 1.2 | 0.9 | *a* | 7.0 | 57 | 4.2 | 45.7 | B | 9.5 | | 33.5 | 46.7 | | 8.8 | | 18.3 | 50.6 | | 8.8 | | 46.4 | 10.1 | |
| 9.2 | | 18.1 | 55.6 | *a* | 9.4 | | 12.3 | 59.7 | | 9.5 | | 45.0 | 59.8 | | 9.2 | | 27.0 | 11.9 | *a* | 8.8 | 36 | 12.0 | 27.5 | |
| 9.5 | | 25.2 | 17.5 | | 8.5 | | 25.0 | 14.9 | Rb | 9.5 | | 47.0 | 3.2 | *a* | 9.4 | | 29.8 | 25.4 | B | 9.4 | | 14.5 | 4.9 | *a* |
| 8.0 | | 26.0 | 22.1 | K | 9.4 | 58 | 14.6 | 59.2 | *a* | 9.5 | | 54.6 | 26.3 | | 9.4 | | 31.6 | 23.4 | *a* | 9.5 | | 21.1 | 46.9 | |
| 9.4 | | 42.4 | 39.4 | | 8.0 | | 53.0 | 11.0 | Lb | 9.5 | | 57.2 | 15.5 | | 9.4 | | 43.1 | 27.4 | *a* | 9.5 | | 22.0 | 57.5 | |
| 9.5 | | 43 6 | 30.5 | | 9.0 | | 53.2 | 4.8 | | 9.5 | 12 | 20.5 | 14.3 | | 9.5 | 25 | 15.6 | 40.0 | | 9.5 | | 47.8 | 7.9 | |
| 7.5 | | 54.1 | 50.3 | K | 9.4 | 59 | 2.0 | 13.7 | *a* | 9.5 | 13 | 17.5 | 21.2 | B | 9.5 | | 24.2 | 53.4 | | 9.5 | | 48.3 | 51.0 | |
| 8.9 | 44 | 6.8 | 3.7 | R | 9.5 | | 2.2 | 26.0 | *a* | 9.5 | | 19.5 | 23.7 | *a* | 8.8 | | 52.0 | 42.0 | L | 8.8 | 37 | 2.1 | 40.6 | |
| 8.8 | | 11.0 | 4.3 | K | 8.5 | | 8.8 | 42.6 | | 8.1 | | 27.3 | 53.2 | L | 9.5 | | 51.8 | 48.3 | | 9.4 | | 24.6 | 1.3 | *a* |
| 9.5 | | 19.6 | 0.9 | | 9.5 | | 31.8 | 59.1 | | 9.0 | | 35.8 | 13.4 | B | 8.8 | 26 | 4.2 | 41.7 | | 9.3 | | 29.5 | 45.3 | *a* |
| 8.9 | | 55.0 | 2.0 | K | 9.5 | 0 | 5.1 | 37.6 | | 9.5 | | 55.3 | 18.6 | | 9.5 | | 14.1 | 35.3 | *a* | 9.5 | | 33.2 | 10.0 | *a* |
| 7.7 | 45 | 13.6 | 53.3 | B | 6.3 | | 5.8 | 21.1 | K | 9.0 | 14 | 34.6 | 41.9 | | 9.5 | | 26.5 | 37.8 | B | 8.3 | | 45.0 | 24.0 | |
| 9.0 | | 31.2 | 3.6 | | 9.4 | | 11.2 | 20.5 | *a* | 9.5 | | 52.6 | 31.3 | | 8.6 | | 34.0 | 41.7 | K | 9.5 | 38 | 12.1 | 47.3 | *a* |
| 9.2 | | 42.9 | 37.2 | *a* | 9.3 | | 24.1 | 49.5 | *a* | 9.2 | 15 | 10.3 | 23.8 | *a* | 9.2 | | 44.4 | 30.6 | B | 9.0 | | 35.5 | 5.4 | |
| 9.4 | | 54.8 | 23.3 | | 9.5 | | 50.3 | 55.3 | | 9.5 | | 33.3 | 50.2 | *a* | 9.5 | | 56.6 | 11.7 | | 8.3 | | 48.3 | 41.9 | K |
| 5.0 | | 56.5 | 32.9 | Kb | 9.5 | | 53.8 | 4.6 | *a* | 9.5 | | 59.8 | 21.2 | *a* | 8.1 | 27 | 10.2 | 57.5 | K | 7.5 | | 50.4 | 19.4 | K |
| 9.4 | 46 | 9.7 | 1.8 | | 9.4 | 1 | 25.3 | 5.0 | | 9.3 | 16 | 6.2 | 2.9 | *a* | 9.4 | | 34.4 | 31.4 | *a* | 9.4 | | 59.0 | 51.4 | |
| 9.1 | | 34.7 | 25.5 | *a* | 8.9 | 2 | 20.9 | 42.5 | K | 9.5 | | 21.6 | 37.6 | | 9.5 | | 57.1 | 20.5 | *a* | 9.5 | 39 | 6.6 | 28.5 | |
| 9.5 | | 46.4 | 9.8 | | 9.5 | | 23.8 | 59.4 | | 9.4 | | 29.1 | 57.4 | | 9.5 | 28 | 9.6 | 10.4 | *a* | 9.1 | | 11.7 | 21.6 | *a* |
| 9.2 | 47 | 4.9 | 35.9 | *ab* | 9.5 | | 23.8 | 40.1 | | 9.5 | | 31.6 | 36.3 | | 9.3 | | 21.6 | 50.2 | *a* | 9.5 | | 29.1 | 55.5 | |
| 9.5 | | 11.3 | 41.8 | | 9.5 | | 26.5 | 24.8 | R | 9.2 | | 38.3 | 49.0 | B*b* | 9.5 | | 32.0 | 19.2 | | 9.2 | | 39.6 | 23.7 | *a* |
| 9.2 | | 22.9 | 38.1 | *a* | 9.5 | | 31.1 | 16.5 | | 9.5 | | 43.8 | 47.4 | | 9.5 | | 35.0 | 27.9 | | 9.5 | | 46.4 | 29.6 | |
| 9.5 | 48 | 18.6 | 29.5 | | 9.5 | | 36.6 | 38.0 | | 9.3 | | 44.6 | 6.7 | B | 9.3 | | 43.7 | 22.0 | *a* | 8.9 | | 59.5 | 39.7 | |
| 9.2 | | 48.7 | 47.8 | | 9.3 | | 36.8 | 10.7 | *a* | 8.8 | 17 | 15.2 | 32.2 | | 9.0 | | 46.3 | 31.9 | | 8.2 | 40 | 0.6 | 5.3 | *B* |
| 9.5 | | 57.0 | 31.7 | | 9.5 | | 39.8 | 3.3 | B | 8.9 | | 59.0 | 1.3 | | 9.3 | | 59.9 | 48.0 | *a* | 8.4 | | 17.8 | 33.9 | *K* |
| 9.4 | 49 | 15.7 | 19.6 | B | 7.8 | | 44.1 | 24.8 | K | 9.4 | 18 | 15.9 | 32.1 | | 9.5 | 29 | 15.5 | 9.8 | *a* | 8.8 | | 17.8 | 38.0 | *K* |
| 9.0 | | 18.5 | 13.7 | R | 9.0 | | 50.6 | 12.5 | B | 9.4 | | 16.2 | 54.0 | | 9.0 | | 19.0 | 49.4 | | 8.6 | | 27.1 | 58.7 | K |
| 8.8 | | 21.5 | 34.2 | | 9.4 | 3 | 12.1 | 24.6 | *a* | 8.5 | | 24.1 | 0.1 | Kb | 9.5 | | 23.8 | 59.5 | | 9.4 | | 56.3 | 10.0 | |
| 9.5 | | 35.2 | 12.1 | | 9.5 | | 31.7 | 46.3 | *a* | 9.0 | | 29.6 | 28.8 | | 9.0 | | 38.3 | 36.8 | | 9.5 | 41 | 10.5 | 5.4 | |
| 8.7 | | 35.7 | 27.0 | | 8.0 | | 40.8 | 1.8 | K | 7.0 | | 37.3 | 47.3 | L | 9.1 | | 39.6 | 57.0 | *a* | 9.5 | | 38.5 | 55.7 | *a* |
| 9.5 | 50 | 1.2 | 0.6 | | 7.8 | | 58.7 | 42.2 | K | 9.5 | | 40.6 | 29.5 | *a* | 9.5 | | 58.1 | 40.8 | | 9.5 | | 43.7 | 13.7 | |
| 8.0 | | 10.0 | 57.0 | K | 9.4 | 4 | 5.9 | 42.5 | | 8.7 | | 44.4 | 31.3 | B | 9.0 | 30 | 10.2 | 3.6 | K | 9.5 | 42 | 18.5 | 4.8 | |
| 9.2 | | 13.9 | 37.9 | *a* | 9.2 | | 19.5 | 17.7 | B | 8.8 | | 59.5 | 13.3 | | 9.3 | | 22.4 | 37.0 | *a* | 9.0 | | 20.4 | 59.9 | |
| 9.5 | | 28.4 | 39.1 | | 9.3 | | 26.6 | 21.4 | *a* | 8.5 | 19 | 0.0 | 32.7 | K | 8.6 | | 33.3 | 43.3 | L | 9.5 | | 44.1 | 28.6 | |
| 9.5 | | 28.5 | 13.7 | | 9.2 | | 36.1 | 37.7 | *a* | 8.3 | | 6.1 | 35.3 | K | 9.5 | | 41.4 | 2.1 | *a* | 9.5 | 43 | 9.6 | 49.0 | |
| 9.3 | | 54.8 | 23.3 | *a* | 7.5 | 5 | 9.0 | 57.6 | K | 9.5 | | 20.3 | 58.0 | *a* | 9.2 | | 51.6 | 26.4 | *a* | 9.5 | | 20.7 | 34.3 | |
| 9.5 | 51 | 22.6 | 37.4 | | 9.5 | | 15.5 | 47.3 | | 9.5 | | 43.1 | 32.1 | | 9.2 | 31 | 2.7 | 57.4 | | 9.5 | | 35.8 | 22.6 | |
| 9.4 | | 26.1 | 25.3 | B | 9.5 | | 17.3 | 57.5 | | 9.0 | | 46.7 | 21.6 | | 9.3 | | 11.6 | 37.3 | B | 9.5 | | 54.9 | 57.4 | |
| 9.4 | | 26.2 | 23.3 | *a* | 8.1 | | 58.9 | 55.1 | K | 9.3 | | 49.9 | 16.4 | *a* | 9.5 | | 19.2 | 42.7 | | 9.5 | | 58.8 | 49.6 | *a* |
| 9.4 | | 27.8 | 33.6 | B | 9.3 | 6 | 49.1 | 12.7 | B | 9.5 | 20 | 0.0 | 33.6 | *a* | 8.7 | | 27.2 | 33.3 | K | 9.5 | 44 | 10.6 | 31.5 | *B* |
| 9.5 | | 36.5 | 11.2 | | 9.4 | | 50.8 | 10.7 | *a* | 9.5 | | 11.0 | 24.8 | *a* | 9.3 | | 58.0 | 29.1 | *a* | 9.5 | | 57.9 | 17.5 | |
| 9.5 | | 53.2 | 5.8 | *a* | 9.5 | | 54.3 | 45.0 | | 8.8 | | 32.9 | 43.5 | K | 9.4 | 32 | 2.5 | 54.1 | *a* | 8.0 | 45 | 2.0 | 2.6 | K |
| 9.5 | | 59.4 | 53.8 | | 9.3 | 7 | 0.4 | 48.6 | | 5.4 | 21 | 17.0 | 58.9 | Kb | 9.5 | | 8.8 | 45.4 | | 9.5 | | 27.9 | 58.1 | |
| 8.8 | 52 | 2.3 | 20.6 | K | 9.5 | | 4.8 | 23.5 | | 9.5 | | 22.6 | 20.5 | | 9.1 | | 11.9 | 40.9 | B | 9.2 | | 43.6 | 15.8 | |
| 9.5 | | 13.9 | 57.8 | B | 9.4 | | 9.5 | 13.5 | | 9.1 | | 25.9 | 8.5 | K | 9.5 | | 29.6 | 59.0 | | 8.5 | | 53.5 | 4.2 | K |
| 9.4 | 54 | 9.8 | 22.0 | | 8.9 | | 36.8 | 32.9 | | 9.1 | | 29.4 | 39.3 | *a* | 9.4 | | 59.8 | 36.6 | B | 9.3 | 46 | 10.4 | 27.0 | |
| 8.8 | | 23.5 | 33.9 | K | 9.5 | | 41.3 | 25.6 | | 9.1 | | 30.1 | 46.5 | *a* | 9.5 | 33 | 10.4 | 33.3 | | 8.9 | | 16.9 | 31.2 | |
| 9.4 | | 36.1 | 49.2 | | 9.5 | | 47.4 | 46.6 | | 8.6 | | 38.2 | 45.3 | | 9.3 | | 21.3 | 2.1 | *a* | 8.9 | | 22.7 | 51.6 | |
| 8.3 | 55 | 12.6 | 10.0 | | 9.3 | 8 | 14.6 | 25.3 | Rb | 8.6 | | 45.7 | 56.8 | K | 9.0 | | 36.3 | 19.7 | | 9.4 | | 37.2 | 52.8 | *a* |
| 8.8 | | 31.3 | 40.6 | K | 9.5 | | 27.0 | 11.3 | | 9.2 | | 48.2 | 5.2 | *a* | 9.3 | | 39.5 | 55.4 | | 9.4 | | 37.6 | 15.3 | *a* |
| 8.9 | | 39.1 | 19.2 | B | 9.5 | | 44.6 | 11.1 | | 9.5 | 22 | 11.1 | 25.2 | *a* | 8.6 | | 40.1 | 26.2 | K | 9.0 | | 43.9 | 39.0 | |
| 8.8 | | 39.5 | 33.4 | K | 9.4 | 9 | 8.5 | 59.3 | *a* | 9.5 | | 12.9 | 19.7 | | 9.3 | | 49.2 | 44.8 | | 9.4 | 47 | 4.7 | 47.4 | |
| 9.0 | | 50.1 | 50.7 | | 9.3 | | 30.1 | 25.6 | *a* | 9.5 | | 45.2 | 46.3 | | 9.5 | 34 | 1.6 | 38.1 | *a* | 9.4 | | 6.5 | 20.8 | |
| 9.5 | 56 | 2.8 | 59.1 | | 9.5 | | 50.7 | 56.7 | | 9.4 | | 46.4 | 8.2 | *a* | 9.5 | | 18.0 | 49.2 | | 9.4 | | 10.6 | 9.0 | |
| 9.5 | | 16.9 | 8.9 | *a* | 9.3 | 10 | 1.0 | 18.7 | B | 9.5 | | 58.8 | 24.0 | | 9.4 | | 27.1 | 43.4 | *a* | 9.3 | | 48.0 | 47.9 | |
| 9.5 | | 22.1 | 48.0 | | 9.1 | | 7.8 | 34.7 | *a* | 9.4 | 23 | 23.7 | 55.0 | | 7.1 | | 33.1 | 5.8 | K | 9.3 | 48 | 13.1 | 11.0 | |
| 9.4 | | 27.6 | 26.3 | | 8.4 | | 32.0 | 39.0 | K | 9.5 | | 37.3 | 38.9 | *a* | 9.5 | | 44.6 | 19.2 | | 9.4 | | 20.9 | 41.9 | |
| 9.3 | | 28.7 | 10.3 | B | 9.5 | | 51.8 | 24.9 | *a* | 9.5 | | 40.8 | 43.6 | | 9.5 | | 53.7 | 31.3 | B | 9.3 | | 26.8 | 58.4 | *a* |
| 9.0 | | 29.4 | 18.9 | | 9.4 | 11 | 5.6 | 50.8 | | 9.1 | 24 | 2.7 | 1.2 | *ab* | 9.5 | 35 | 18.4 | 0.3 | | 9.0 | | 33.3 | 7.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 25.80 | 2.26 | | 10 pr. | | 26.09 | 2.40 | | 10 pr. | | 26.40 | 2.55 | | 10 pr. | | 26.65 | 2.65 | | 10 pr. | | 26.93 | 2.75 | |

4301—4360

| m | 21ʰ—22ʰ | +26° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 48 35.3 | 53.4 | |
| 9.4 | 47.2 | 19.1 | |
| 8.9 | 48.4 | 5.2 | |
| 8.8 | 57.4 | 44.0 | |
| 9.3 | 49 0.9 | 18.8 | B |
| 9.3 | 18.1 | 46.4 | *a* |
| 9.3 | 20.9 | 41.4 | *a* |
| 9.5 | 44.9 | 20.0 | |
| 9.4 | 45.4 | 13.2 | |
| 8.8 | 46.0 | 52.1 | |
| 9.5 | 50 5.5 | 50.8 | |
| 9.1 | 14.6 | 54.1 | *aB* |
| 8.8 | 38.6 | 45.2 | |
| 9.4 | 51 11.4 | 29.7 | B |
| 9.0 | 12.2 | 10.6 | |
| 8.7 | 16.6 | 31.7 | K |
| 9.2 | 45.7 | 54.2 | |
| 9.5 | 50.4 | 55.5 | |
| 8.6 | 56.4 | 44.0 | K |
| 9.1 | 52 24.3 | 17.7 | *ab* |
| 9.1 | 40.8 | 40.1 | *a* |
| 9.5 | 50.7 | 21.0 | |
| 7.7 | 53 29.6 | 4.9 | K |
| 8.8 | 40.1 | 26.2 | K |
| 9.4 | 57.1 | 14.5 | |
| 9.5 | 54 5.0 | 3.6 | |
| 9.0 | 10.9 | 53.3 | |
| 7.8 | 35.8 | 7.6 | K |
| 9.2 | 45.0 | 13.4 | K |
| 9.5 | 56.6 | 25.1 | |
| 9.1 | 55 12.1 | 30.7 | |
| 9.2 | 22.0 | 31.7 | |
| 9.1 | 25.4 | 8.8 | *a* |
| 9.5 | 55.3 | 43.5 | |
| 9.5 | 56 4.6 | 34.7 | B |
| 9.4 | 6.0 | 10.0 | *a* |
| 9.2 | 6.8 | 59.7 | B |
| 9.5 | 8.1 | 23.4 | |
| 9.2 | 16.8 | 54.7 | *a* |
| 9.5 | 27.0 | 42.6 | |
| 9.5 | 32.3 | 52.4 | *a* |
| 8.5 | 57 0.1 | 14.9 | K |
| 9.1 | 5.3 | 32.4 | *ab* |
| 9.4 | 32.3 | 53.6 | |
| 9.5 | 56.7 | 14.8 | *a* |
| 9.0 | 58 11.4 | 58.9 | B |
| 9.5 | 59 39.3 | 49.2 | |
| 8.5 | 42.8 | 14.5 | L |
| 9.5 | 0 22.1 | 52.6 | |
| 8.5 | 25.3 | 20.4 | |
| 8.6 | 41.2 | 59.2 | |
| 8.6 | 1 22.3 | 18.4 | K |
| 9.5 | 37.1 | 42.7 | |
| 8.9 | 47.9 | 48.0 | |
| 9.4 | 2 30.4 | 3.8 | |
| 8.8 | 38.2 | 53.3 | |
| 9.5 | 48.1 | 38.6 | |
| 8.9 | 50.3 | 3.8 | |
| 9.5 | 3 48.3 | 13.9 | |
| 9.4 | 4 15.2 | 34.0 | *a* |
| *10 pr.* | *27.27* | *2.86* | |

4361—4420

| m | 22ʰ | +26° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 4 21.5 | 35.7 | |
| 8.9 | 26.1 | 45.1 | |
| 8.7 | 28.3 | 23.2 | |
| 9.5 | 44.6 | 3.2 | |
| 8.3 | 55.5 | 32.7 | *B* |
| 8.8 | 59.9 | 49.8 | |
| 9.4 | 5 4.6 | 17.9 | |
| 9.4 | 7.6 | 9.4 | |
| 9.4 | 18.9 | 8.4 | |
| 9.5 | 30.5 | 51.5 | *a* |
| 8.5 | 42.6 | 29.9 | K |
| 9.5 | 55.1 | 51.8 | |
| 8.7 | 56.6 | 12.8 | |
| 9.5 | 6 0.1 | 51.0 | |
| 9.5 | 23.0 | 5.8 | |
| 9.4 | 23.1 | 40.2 | |
| 9.3 | 24.1 | 24.2 | *a* |
| 9.2 | 31.6 | 26.5 | *a* |
| 7.5 | 33.8 | 36.4 | K |
| 9.5 | 53.1 | 27.1 | |
| 9.4 | 55.2 | 9 9 | |
| 8.9 | 7 4.9 | 24.8 | |
| 9.5 | 19.7 | 12.9 | |
| 9.2 | 33.9 | 51.0 | |
| 8.8 | 52.6 | 19.6 | |
| 9.3 | 8 25.6 | 32.0 | |
| 9.5 | 32.7 | 53.1 | *a* |
| 9.3 | 41.9 | 14.9 | *a* |
| 9.5 | 43.5 | 22.1 | |
| 8.8 | 49.7 | 15.6 | B |
| 9.1 | 9 54.1 | 13.8 | *a* |
| 9.5 | 54.9 | 32.4 | |
| 9.4 | 10 5.0 | 21.9 | B |
| 9.0 | 16.7 | 52.3 | K |
| 9.5 | 19.7 | 27.6 | |
| 9.3 | 29.2 | 53.9 | |
| 9.3 | 54.2 | 18.3 | *a* |
| 9.0 | 11 3.1 | 45.5 | |
| 7.0 | 6.6 | 13.4 | Kb |
| 9.0 | 13.2 | 18.6 | |
| 9.1 | 30.4 | 54.2 | *a* |
| 8.5 | 37.1 | 20.7 | K |
| 9.5 | 12 13.2 | 35.2 | |
| 7.9 | 26.5 | 57.3 | K |
| 9.5 | 59.0 | 6.6 | |
| 9.5 | 59.6 | 26.5 | |
| 9.3 | 13 39.3 | 46.0 | *a* |
| 8.9 | 50.3 | 47.2 | B |
| 9.5 | 14 8.5 | 50.0 | |
| 6.5 | 15.7 | 13.1 | Kb |
| 9.3 | 34.5 | 14.1 | B |
| 9.4 | 54.6 | 32.8 | |
| 9.5 | 15 30.1 | 30.3 | |
| 9.4 | 37.7 | 16.9 | |
| 8.8 | 59.2 | 1.1 | Rb |
| 9.5 | 16 15.3 | 2.0 | |
| 8.5 | 22.8 | 22.8 | |
| 9.4 | 24.1 | 29.3 | |
| 9.0 | 51.4 | 53.0 | |
| 8.5 | 17 7.6 | 36.9 | K |
| *10 pr.* | *27.62* | *2.96* | |

4421—4480

| m | 22ʰ | +26° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 17 23.5 | 0.4 | |
| 9.4 | 26.9 | 39.0 | |
| 9.0 | 29.1 | 28.0 | |
| 8.9 | 37.2 | 53.4 | B |
| 9.5 | 40.0 | 49.9 | *a* |
| 9.5 | 58.3 | 33.7 | |
| 9.4 | 18 12.6 | 9.7 | |
| 8.4 | 23.3 | 30.4 | B |
| 8.9 | 28.9 | 55.3 | R |
| 8.7 | 55.4 | 50.6 | B |
| 9.5 | 19 1.0 | 59.6 | |
| 9.4 | 18.8 | 53.2 | |
| 8.9 | 20 6.7 | 7.9 | K |
| 9.5 | 12.6 | 37.0 | |
| 9.5 | 39.9 | 1.7 | |
| 9.2 | 21 2.1 | 5.7 | |
| 6.8 | 25.7 | 16.9 | K |
| 9.0 | 56.1 | 57.7 | |
| 5.7 | 22 23.5 | 1.8 | K |
| 8.3 | 33.9 | 41.4 | |
| 9.5 | 23 15.3 | 31.1 | B |
| 9.4 | 17.1 | 59.3 | |
| 9.5 | 17.9 | 9.3 | |
| 9.2 | 31.3 | 6.9 | |
| 9.3 | 38.5 | 1.3 | *a* |
| 9.4 | 39.6 | 29.7 | |
| 9.5 | 50.8 | 58.8 | |
| 9.3 | 54.9 | 4.6 | |
| 9.5 | 55.5 | 10.6 | |
| 9.0 | 24 43.8 | 24.2 | |
| 8.3 | 25 12.1 | 29.0 | Kb |
| 9.2 | 36.8 | 55.0 | *b* |
| 8.5 | 40.7 | 21.4 | K |
| 9.4 | 26 2.9 | 22.4 | |
| 9.3 | 17.0 | 24.2 | B |
| 9.5 | 55.7 | 44.5 | |
| 9.3 | 27 0.1 | 40.0 | |
| 9.3 | 16.3 | 50.3 | |
| 8.8 | 28 20.1 | 59.6 | R |
| 9.2 | 51.4 | 38.9 | |
| 9.5 | 55.6 | 49.0 | |
| 9.0 | 29 0.8 | 35.6 | B |
| 7.0 | 33.7 | 21.8 | K |
| 9.3 | 30 0.1 | 45.2 | *a* |
| 9.0 | 4.7 | 53.1 | |
| 8 0 | 46.1 | 40.0 | Kb |
| 8.7 | 49.0 | 45.9 | K |
| 9.0 | 31 12.2 | 28.0 | |
| 9.5 | 33.6 | 2.5 | |
| 9.0 | 50.1 | 57.0 | |
| 8.8 | 32 1.7 | 38.2 | K |
| 9.1 | 2.4 | 49.3 | |
| 9.3 | 15.8 | 29.7 | |
| 9.3 | 29.2 | 28.7 | B |
| 9.5 | 36.0 | 22.4 | |
| 9.4 | 47.3 | 27.3 | *a* |
| 9.2 | 58.6 | 10.7 | |
| 9.3 | 33 16.7 | 3.0 | |
| 9.4 | 21.1 | 56.8 | |
| 9.5 | 27.6 | 4.1 | |
| *10 pr.* | *28.03* | *3.06* | |

4481—4540

| m | 22ʰ | +26° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 35 35.6 | 35.3 | |
| 8.9 | 36.4 | 52.4 | |
| 9.5 | 50.6 | 21.4 | |
| 9.5 | 54.1 | 36.8 | B |
| 9.5 | 36 0.1 | 28.5 | |
| 9.5 | 6.1 | 29.2 | |
| 9.3 | 9.2 | 32.2 | B |
| 8.0 | 57.1 | 55.6 | K |
| 8.2 | 37 17.3 | 48.5 | K |
| 9.5 | 20.3 | 13.8 | |
| 9.5 | 47.6 | 8.9 | |
| 9.5 | 56.7 | 48.0 | |
| 9.2 | 38 5.7 | 21.6 | *b* |
| 9.5 | 29.6 | 33.1 | |
| 9.5 | 41.2 | 4.0 | |
| 9.5 | 46.9 | 50.0 | |
| 9.5 | 39 8.5 | 20.3 | |
| 9.0 | 11.1 | 48.0 | |
| 8.2 | 16.0 | 4.5 | K |
| 9.5 | 54.2 | 39.7 | |
| 9.5 | 40 10.3 | 6.8 | |
| 9.0 | 35.1 | 48.2 | |
| 9.5 | 36.9 | 12.0 | |
| 9.5 | 57.8 | 4.1 | |
| 9.5 | 41 40.9 | 25.8 | B |
| 9.5 | 49.1 | 2.8 | B |
| 8.8 | 42 10.3 | 35.6 | B |
| 9.1 | 14.3 | 41.9 | *a* |
| 9.4 | 18.9 | 44.3 | |
| 9.4 | 25.5 | 52.3 | |
| 9.4 | 41.1 | 49.1 | B |
| 8.9 | 50.2 | 49.4 | K |
| 9.1 | 58.4 | 41.6 | |
| 8.6 | 43 46.3 | 24.1 | K |
| 9.0 | 44 9.1 | 47.8 | |
| 9.5 | 22.1 | 7.9 | |
| 8.6 | 22.1 | 40.0 | B |
| 8.8 | 35.9 | 35.5 | |
| 9.5 | 45 2.5 | 15.5 | |
| 9.3 | 5.6 | 22.7 | |
| 9.5 | 14.6 | 51.0 | |
| 9.4 | 28.1 | 18.2 | |
| 9.3 | 42.4 | 1.3 | |
| 7.7 | 46 13.5 | 13.7 | K |
| 9.1 | 15.1 | 34.1 | *a* |
| 8.9 | 22.1 | 23.0 | |
| 9.3 | 33.6 | 57.6 | B |
| 8.8 | 56.2 | 13.8 | K |
| 9.3 | 47 29.1 | 27.9 | B |
| 9.2 | 35.4 | 56.9 | |
| 9.5 | 48 12.8 | 20.0 | |
| 9.5 | 44.0 | 22.9 | |
| 9.5 | 54.4 | 14.9 | B |
| 9.0 | 49 30.2 | 24.1 | |
| 9.0 | 56.9 | 51.0 | |
| 9.4 | 50 19.6 | 22.6 | |
| 9.5 | 23.9 | 15.1 | |
| 9.5 | 51 37.8 | 6.5 | |
| 8.0 | 57.0 | 43.4 | K |
| 7.7 | 52 0.7 | 58.1 | K |
| *10 pr.* | *28.51* | *3.15* | |

4541—4600

| m | 22ʰ—23ʰ | +26° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 52 9.2 | 37.5 | |
| 9.0 | 11.2 | 12.8 | Rb |
| 8.5 | 53 17.3 | 48.5 | K |
| 9.0 | 22.4 | 2.2 | |
| 8.8 | 30.5 | 17.9 | R |
| 9.5 | 35.7 | 38.8 | |
| 9.4 | 48.6 | 9.3 | |
| 9.5 | 54 6.4 | 20.3 | |
| 9.0 | 11.6 | 12.8 | R |
| 9.5 | 23.4 | 2.6 | |
| 9.4 | 45.9 | 39.3 | |
| 9.5 | 55.8 | 5.0 | |
| 9.5 | 55 13.5 | 55.6 | *a* |
| 9.5 | 42.5 | 7.0 | |
| 8.3 | 56 2.6 | 55.0 | |
| 9.5 | 35.6 | 31.7 | |
| 9.5 | 55.7 | 11.6 | |
| 9.5 | 57 28.3 | 28.6 | |
| 8.6 | 33.1 | 53.4 | |
| 8.5 | 58 19.6 | 12.3 | K |
| 9.5 | 59 26.7 | 3.8 | |
| 9.3 | 43.6 | 48.9 | |
| 9.0 | 51.9 | 27.8 | |
| 9.5 | 0 22.4 | 30.3 | |
| 9.5 | 23.5 | 4.7 | |
| 9.1 | 41.6 | 36.8 | *a* |
| 9.3 | 47.1 | 10.0 | R |
| 9.4 | 52.7 | 44.0 | |
| 8.5 | 1 44.5 | 57.9 | K |
| 7.3 | 2 6.5 | 7.9 | K |
| 9.5 | 3 14.6 | 31.3 | |
| 9.4 | 44.4 | 13.8 | |
| 9.4 | 44.6 | 18.9 | |
| 9.5 | 59.6 | 22.7 | |
| 8.6 | 4 12.1 | 0.1 | R |
| 9.1 | 25.3 | 21.3 | *a* |
| 9.5 | 25.4 | 45.8 | *a* |
| 9.2 | 30.7 | 5.7 | |
| 9.5 | 41.6 | 23.1 | |
| 6.5 | 47.5 | 4.0 | Kb |
| 9.2 | 5 0.2 | 8.2 | |
| 9.5 | 3.3 | 26.8 | |
| 9.5 | 21.6 | 23.0 | *a* |
| 9.0 | 50.9 | 28.8 | *b* |
| 8.9 | 53.9 | 1.5 | |
| 8.9 | 6 4.8 | 5.4 | K |
| 9.3 | 15.6 | 43.0 | |
| 7.8 | 8 42.4 | 51.6 | K |
| 8.5 | 45.6 | 41.7 | |
| 8.0 | 9 44.1 | 54.2 | K |
| 9.5 | 10 3.3 | 4.3 | |
| 9.5 | 28.6 | 38.9 | |
| 9.1 | 30.1 | 9.1 | R |
| 9.4 | 45.4 | 31.3 | |
| 9.5 | 11 7.9 | 53.0 | |
| 7.3 | 9.6 | 48.5 | L |
| 8.4 | 22.3 | 37.9 | |
| 9.0 | 23.0 | 52.0 | B |
| 6.8 | 23.6 | 48.9 | L |
| 9.3 | 30.5 | 45.2 | *a* |
| *10 pr.* | *29.07* | *3.24* | |

| 4601—4630 | | | | | 4631—4660 | | | | | 4661—4690 | | | | | 4691—4720 | | | | | 4721—4746 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | | +26° | | | 23ʰ | | +26° | | | 23ʰ | | +26° | | | 23ʰ | | +26° | | | 23ʰ | | +26° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 11 | 40.1 | 2.9 | | 9.4 | 19 | 42.7 | 45.8 | | 9.3 | 28 | 55.1 | 59.5 | | 7.8 | 40 | 54.1 | 54.9 | K | 8.1 | 51 | 53.8 | 27.9 | K |
| 9.3 | | 48.1 | 1.3 | | 9.3 | | 44.9 | 23.0 | | 9.4 | 29 | 31.7 | 0.7 | | 8.5 | 41 | 10.6 | 20.0 | | 8.7 | 52 | 25.8 | 8.2 | L |
| 9.5 | 12 | 19.0 | 18.6 | | 9.5 | 20 | 22.2 | 23.8 | | 8.8 | | 38.9 | 6.4 | B | 9.4 | | 22.2 | 56.8 | | 9.5 | | 34.3 | 23.9 | *a* |
| 8.0 | | 30.5 | 42.7 | K | 9.5 | 21 | 19.6 | 58.9 | B | 9.5 | 30 | 27.6 | 14.5 | | 8.7 | | 57.3 | 52.5 | K | 9.5 | | 57.1 | 32.8 | |
| 9.5 | | 54.6 | 23.4 | | 9.0 | | 25.5 | 25.6 | | 9.5 | | 32.5 | 45.4 | | 7.4 | 42 | 0.7 | 13.6 | B | 9.4 | | 58.5 | 37.3 | B |
| 9.2 | 13 | 38.0 | 57.8 | B | 8.8 | | 30.8 | 26.6 | Bb | 9.5 | | 50.4 | 14.1 | | 9.5 | | 10.4 | 35.2 | | 9.5 | 53 | 0.5 | 37.8 | |
| 9.5 | | 40.0 | 36.2 | | 9.5 | | 48.7 | 2.2 | | 9.0 | | 54.2 | 46.9 | | 9.4 | | 22.5 | 31.7 | B | 6.5 | | 1.0 | 7.3 | Kb |
| 9.0 | | 44.6 | 53.9 | R | 9.1 | 22 | 13.5 | 52.6 | *b* | 8.5 | 31 | 23.3 | 41.3 | Kb | 7.1 | | 31.6 | 52.8 | K | 9.5 | | 23.2 | 44.5 | |
| 9.4 | | 47.8 | 23.9 | *a* | 9.5 | | 18.0 | 27.1 | | 9.5 | | 40.0 | 4.2 | B | 9.3 | | 37.4 | 53.3 | | 9.5 | | 25.3 | 49.0 | *a* |
| 9.5 | | 54.4 | 8.3 | | 9.5 | | 45.8 | 1.1 | | 9.1 | 32 | 34.9 | 18.5 | *aB* | 9.2 | | 59.7 | 47.6 | | 9.1 | | 28.9 | 36.6 | |
| 9.5 | | 55.3 | 26.9 | | 9.4 | 23 | 33.1 | 7.9 | | 6.3 | | 45.4 | 43.5 | K | 9.5 | 43 | 16.1 | 52.2 | *a* | 9.5 | | 49.3 | 47.2 | |
| 9.2 | | 56.0 | 52.5 | R | 8.9 | | 44.6 | 59.0 | | 8.5 | | 45.5 | 13.1 | B | 9.3 | | 27.3 | 50.4 | B | 9.5 | 54 | 19.5 | 2.5 | |
| 9.3 | | 59.2 | 45.8 | | 9.3 | | 47.7 | 55.3 | | 7.5 | | 47.7 | 1.5 | Kb | 9.5 | | 48.2 | 22.4 | | 9.5 | | 21.8 | 51.0 | *a* |
| 9.1 | 14 | 31.4 | 58.4 | K | *9.5 | 24 | 27.2 | 25.1 | | 9.4 | 33 | 14.4 | 50.7 | | 9.5 | | 55.2 | 9.1 | | 6.1 | | 36.3 | 18.8 | Kb |
| 9.5 | | 39.3 | 27.3 | | *9.5 | | 50.4 | 10.0 | | 9.4 | | 22.1 | 4.8 | | 9.5 | | 59.7 | 2.9 | | 9.0 | | 38.3 | 18.7 | B |
| 9.2 | | 41.5 | 5.2 | | 9.4 | 25 | 32.5 | 47.5 | | 9.5 | 35 | 21.5 | 30.5 | | 9.3 | 44 | 3.3 | 33.9 | B | 9.5 | | 47.0 | 24.2 | |
| 8.5 | 15 | 41.4 | 46.8 | K | 9.5 | | 35.8 | 19.4 | | 9.4 | | 23.8 | 41.5 | | 8.2 | | 8.5 | 31.3 | Kb | 9.5 | 55 | 59.3 | 53.8 | *a* |
| 9.5 | 16 | 51.2 | 9.7 | | 9.4 | | 44.1 | 15.4 | Bb | 9.0 | 36 | 35.4 | 54.4 | B | 9.5 | 46 | 32.3 | 58.5 | | 9.3 | 56 | 20.8 | 42.8 | *a* |
| 9.5 | | 52.8 | 46.9 | | 9.5 | 26 | 11.3 | 25.3 | | 8.4 | 37 | 0.0 | 46.4 | K | 9.5 | 48 | 10.4 | 9.4 | *a* | 8.9 | | 45.5 | 12.2 | B |
| 9.5 | 17 | 36.5 | 38.5 | | 9.5 | | 16.3 | 50.5 | | 9.3 | | 6.5 | 14.8 | *b* | 9.5 | | 26.5 | 37.7 | *a* | 9.0 | | 48.4 | 53.4 | B |
| 9.1 | | 37.7 | 23.4 | *b* | 9.5 | | 32.8 | 41.6 | | 9.5 | | 15.0 | 12.7 | | 9.5 | | 27.8 | 22.1 | *a* | 9.1 | | 51.4 | 9.4 | *a* |
| 8.7 | | 52.6 | 7.5 | | 9.3 | 27 | 19.2 | 15.5 | *a* | 9.5 | 38 | 52.8 | 53.9 | | 9.5 | 49 | 13.9 | 29.4 | | 9.5 | 57 | 1.0 | 47.1 | *a* |
| 9.5 | | 55.0 | 9.0 | | 9.4 | | 50.1 | 17.0 | B | 9.5 | 39 | 22.5 | 48.9 | *a* | 8.8 | | 38.2 | 1.3 | | 9.3 | | 25.8 | 22.0 | B |
| 9.5 | | 57.8 | 30.0 | | 9.5 | | 50.5 | 52.6 | | 9.3 | | 35.8 | 29.4 | | 7.2 | | 39.3 | 46.2 | K | 6.8 | | 34.0 | 52.0 | B |
| 8.8 | | 59.1 | 18.5 | | 9.3 | | 53.2 | 43.7 | | 8.4 | | 41.5 | 24.1 | K | 9.0 | | 41.2 | 57.9 | | 9.5 | 58 | 7.5 | 47.7 | |
| 9.3 | 18 | 39.7 | 58.4 | B | 9.5 | 28 | 5.1 | 9.0 | | 9.5 | 40 | 11.2 | 51.6 | *a* | 9.0 | | 51.9 | 35.9 | | 9.1 | 59 | 2.8 | 15.2 | *ab* |
| 8.6 | | 49.7 | 53.4 | K | 9.3 | | 28.5 | 21.0 | | 8.5 | | 19.4 | 22.1 | K | 8.7 | | 56.7 | 55.8 | K | | | | | |
| 7.6 | | 50.6 | 54.6 | K | 9.3 | | 31.9 | 38.3 | | 9.4 | | 19.9 | 17.2 | | 9.3 | 50 | 7.3 | 6.8 | *a* | | | | | |
| 9.5 | 19 | 25.2 | 2.6 | | 9.5 | | 40.5 | 27.2 | | 9.4 | | 25.2 | 48.8 | B | 9.3 | | 11.2 | 3.4 | *a* | | | | | |
| 9.5 | | 32.9 | 13.2 | B | 9.0 | | 54.1 | 53.1 | B | 9.5 | | 29.8 | 8.2 | | 9.3 | 51 | 29.9 | 51.0 | | | | | | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *29.41* | *3.27* | | *10pr.* | | *29.71* | *3.30* | | *10pr.* | | *29.98* | *3.32* | | *10pr.* | | *30.26* | *3.33* | | *10pr.* | | *30.56* | *3.34* | |

| 4644ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 24 | 36.5 | 34.4 | B |

# Zone +27°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +27° | | 0h | | +27° | | 0h | | +27° | | 0h | | +27° | | 0h—1h | | +27° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 0 | 55.2 | 5.5 | | 9.3 | 13 16.0 | 23.1 | a | 9.2 | 24 40.4 | 19.0 | B | 8.6 | 39 19.1 | 56.5 | R | 9.2 | 53 41.5 | 55.5 | a |
| 8.1 | 1 | 24.6 | 59.3 | K | 9.3 | | 52.6 | 22.1 | B | 8.7 | | 52.8 | 23.6 | K | 9.3 | | 48.4 | 52.9 | B | 8.5 | | 41.5 | 31.8 | K |
| 7.0 | | 31.8 | 26.2 | L | 8.0 | | 52.8 | 31.2 | L | 9.4 | | 55.3 | 38.3 | | 9.0 | | 52.3 | 3.0 | | 9.3 | 54 | 25.4 | 59.5 | |
| 9.5 | 2 | 18.5 | 4.1 | | 9.0 | 14 4.9 | 16.5 | | 7.0 | 25 | 10.6 | 29.3 | Kb | 8.9 | 40 | 30.4 | 56.2 | K | *9.2 | 55 | 21.4 | 50.2 | a |
| 9.2 | | 21.4 | 54.3 | | 8.2 | | 11.8 | 9.6 | L | 9.4 | | 28.8 | 26.1 | | 9.5 | | 51.2 | 8.7 | B | *9.0 | | 47.9 | 33.1 | |
| 9.5 | | 25.5 | 7.7 | | 8.5 | | 17.0 | 27.6 | K | 9.5 | | 53.4 | 22.0 | a | 8.8 | 41 | 21.0 | 38.7 | K | 8.7 | | 56.8 | 6.4 | K |
| 7.9 | | 57.8 | 50.8 | K | 8.5 | 15 13.0 | 3.0 | K | 9.3 | 26 | 18.1 | 36.0 | a | 7.5 | | 23.6 | 55.8 | K | 9.2 | 56 | 9.9 | 0.2 | a |
| 9.5 | 3 | 24.2 | 5.6 | | 9.0 | | 59.9 | 32.7 | | 9.5 | 27 | 25.0 | '0.2 | | 9.3 | | 30.2 | 28.1 | a | 9.3 | | 16.6 | 13.1 | Kb |
| 9.1 | | 26.9 | 54.8 | | 9.5 | 17 7.3 | 15.2 | | | 9.4 | | 55.4 | 28.5 | | 9.1 | | 36.3 | 10.0 | | 8.4 | | 57.1 | 44.4 | |
| 9.5 | | 52.7 | 41.4 | | 9.3 | | 12.5 | 59.1 | a | 9.2 | | 57.4 | 22.1 | ab | 9.5 | | 57.9 | 6.6 | | 9.5 | | 58.4 | 55.8 | |
| 8.5 | 4 | 9.2 | 25.1 | L | 9.5 | | 33.2 | 27.0 | | 9.5 | 28 | 38.0 | 55.5 | | 9.2 | 42 | 15.5 | 34.6 | B | 9.2 | 57 | 12.4 | 12.4 | K |
| 7.7 | | 22.6 | 37.2 | L | 8.5 | | 36.2 | 16.3 | Kb | 9.5 | 29 | 30.5 | 56.0 | | 7.6 | | 29.0 | 34.7 | B | 8.8 | 58 | 18.7 | 44.8 | R |
| 7.3 | | 31.5 | 48.0 | K | 9.0 | 18 2.8 | 13.1 | K | 9.5 | | 36.0 | 2.0 | | 9.5 | 43 | 18.1 | 37.8 | a | 9.5 | | 29.1 | 52.1 | |
| 9.5 | 5 | 0.7 | 1.9 | | 9.0 | | 13.7 | 6.8 | B | 9.4 | | 42.0 | 28.5 | | 9.3 | 44 | 23.4 | 50.5 | a | 9.0 | | 41.1 | 35.6 | K |
| 9.0 | | 10.4 | 34.9 | K | 9.1 | | 32.6 | 38.0 | a | 9.0 | 30 | 42.7 | 38.8 | | 9.5 | | 23.8 | 30.5 | B | 8.3 | 59 | 14.3 | 46.5 | K |
| 9.4 | | 15.5 | 55.2 | | 9.4 | 19 4.1 | 1.5 | | | 9.5 | 31 | 10.9 | 45.7 | | 9.3 | | 29.0 | 12.1 | a | 9.5 | | 56.5 | 30.7 | |
| 9.4 | | 47.6 | 53.2 | | 8.8 | | 6.9 | 41.0 | | 9.5 | | 11.1 | 8.5 | B | 9.5 | | 48.1 | 12.8 | | 9.3 | | 59.8 | 22.1 | |
| 9.5 | 6 | 2.5 | 40.0 | | 9.0 | | 11.8 | 11.3 | | 8.8 | | 16.7 | 34.0 | | 9.5 | | 51.6 | 9.8 | | 9.3 | 0 | 9.6 | 59.7 | |
| 9.5 | | 25.0 | 55.8 | | 9.5 | | 21.7 | 52.7 | | 9.5 | | 48.0 | 6.3 | | 9.5 | 45 | 4.1 | 26.5 | | 9.5 | 1 | 13.5 | 56.1 | a |
| 9.5 | | 26.1 | 48.6 | a | 9.5 | | 37.9 | 4.8 | | 9.3 | | 50.8 | 16.2 | | 9.3 | | 35.4 | 16.3 | a | 9.0 | | 14.4 | 26.6 | |
| 9.3 | | 43.2 | 26.5 | a | 9.0 | | 44.0 | 2.3 | B | 9.5 | 32 | 58.3 | 8.4 | | 9.3 | | 46.5 | 20.5 | a | 8.2 | 2 | 5.3 | 55.7 | K |
| 9.5 | | 58.1 | 30.7 | | 9.3 | | 49.8 | 58.0 | K | 9.0 | 33 | 38.7 | 56.2 | K | 9.0 | | 46.7 | 26.6 | | 8.8 | | 13.3 | 16.1 | K |
| 9.5 | 7 | 12.2 | 15.9 | | 9.2 | | 56.0 | 2.6 | a | 8.2 | | 42.8 | 14.7 | K | 8.7 | | 49.3 | 6.1 | K | 9.0 | | 28.5 | 41.4 | |
| 9.4 | | 27.3 | 50.4 | | 7.9 | 20 12.5 | 22.7 | L | 9.4 | | 50.7 | 29.6 | | 7.7 | 46 | 1.1 | 46.8 | L | 9.5 | | 40.2 | 53.7 | |
| 8.0 | | 49.5 | 46.9 | L | 9.1 | | 31.2 | 2.3 | B | 9.5 | 34 | 13.8 | 43.8 | | 9.4 | 47 | 15.4 | 7.3 | | 8.0 | | 49.3 | 6.2 | K |
| 9.3 | | 51.3 | 56.2 | a | 9.5 | | 31.3 | 6.1 | | 9.4 | | 27.9 | 4.8 | a | 8.7 | | 17.5 | 24.5 | K | 9.1 | 3 | 2.0 | 15.2 | a |
| 9.5 | 8 | 9.4 | 4.4 | | 9.4 | | 37.3 | 0.5 | a | 8.5 | | 37.0 | 10.5 | K | 9.3 | | 17.5 | 54.7 | | 9.3 | | 33.2 | 41.7 | |
| 9.3 | | 25.5 | 57.3 | K | 8.1 | | 41.1 | 15.0 | K | 9.5 | 35 | 13.5 | 54.3 | | 7.5 | | 36.4 | 46.2 | K | 9.5 | 4 | 8.0 | 3.5 | |
| 9.4 | | 34.1 | 48.7 | a | 9.5 | 21 | 55.2 | 39.0 | | 9.0 | | 17.4 | 41.2 | K | 9.5 | 48 | 3.7 | 30.0 | | 8.5 | | 10.1 | 29.0 | K |
| 9.1 | | 42.8 | 5.2 | b | 9.5 | 22 | 10.7 | 29.6 | | 9.5 | | 26.0 | 51.8 | B | 9.3 | | 22.3 | 55.8 | B | 9.0 | | 38.7 | 17.3 | |
| 9.2 | | 46.3 | 43.7 | a | 8.2 | | 50.2 | 15.7 | K | 9.5 | | 30.0 | 32.2 | | 9.3 | | 35.4 | 3.8 | | 9.3 | | 56.5 | 53.5 | |
| 9.4 | | 46.7 | 52.1 | | 8.9 | 23 | 9.9 | 19.0 | K | 9.5 | | 44.2 | 14.4 | | 9.0 | | 45.1 | 16.5 | | 9.5 | 5 | 5.1 | 43.2 | |
| 9.3 | 9 | 31.5 | 30.3 | a | 8.9 | | 19.9 | 56.4 | | 8.7 | | 59.0 | 58.5 | K | 9.5 | 50 | 5.0 | 50.0 | B | 9.5 | | 10.1 | 57.9 | |
| 9.5 | | 38.6 | 39.0 | | 9.3 | | 35.3 | 37.2 | B | 9.3 | 36 | 36.3 | 57.1 | | 8.9 | | 18.3 | 12.5 | K | 9.5 | | 12.3 | 29.6 | |
| 9.3 | 10 | 43.2 | 30.3 | ab | 9.5 | | 51.7 | 20.3 | B | 9.2 | | 58.4 | 5.9 | | 9.0 | | 32.5 | 22.1 | K | 9.5 | | 33.4 | 29.6 | |
| 9.5 | 11 | 27.5 | 47.6 | | 9.4 | | 54.1 | 39.0 | a | 8.5 | 37 | 32.5 | 48.1 | | 9.5 | 51 | 19.4 | 40.7 | | 7.5 | 6 | 7.5 | 47.2 | B |
| 9.3 | 12 | 12.6 | 27.9 | a | 9.4 | 24 | 1.1 | 14.1 | a | 8.3 | | 35.8 | 10.0 | K | 8.9 | | 19.4 | 2.6 | Kb | 9.2 | | 13.3 | 59.7 | a |
| 9.1 | | 50.6 | 20.9 | K | 9.4 | | 5.3 | 58.2 | | 9.5 | | 58.4 | 34.1 | B | 9.5 | | 22.7 | 49.3 | a | 9.5 | | 27.1 | 43.1 | |
| 9.5 | 13 | 1.5 | 10.3 | | 9.3 | | 12.2 | 53.7 | B | 9.5 | 38 | 8.9 | 52.0 | a | 8.9 | 52 | 5.2 | 53.4 | K | 8.8 | | 40.4 | 18.0 | Kb |
| 9.5 | | 15.8 | 33.8 | | 8.3 | | 18.7 | 43.9 | L | 9.5 | | 36.5 | 55.6 | | 9.4 | 53 | 12.8 | 8.0 | a | 9.5 | | 43.7 | 51.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 30.92 | 3.34 | | 10pr. | | 31.32 | 3.33 | | 10pr. | | 31.70 | 3.31 | | 10pr. | | 32.10 | 3.27 | | 10pr. | | 32.57 | 3.22 | |

| 164a | | | |
|---|---|---|---|
| 9.5 | 55 | 40.6 | 14.5 |

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ª | | +27° | | 1ª | | +27° | | 1ª—2ª | | +27° | | 2ª | | +27° | | 2ª—3ª | | +27° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 9.5 | 6 | 58.1 | 31.3 | | 7.2 | 31 | 7.2 | 1.4 | K | 9.5 | 54 | 16.2 | 58,8 | | 9.5 | 18 | 58.5 | 47.4 | | 9.0 | 39 | 48.2 | 47.7 | |
| 8.8 | 8 | 12.7 | 48.6 | K | 7.8 | | 24.1 | 22.5 | K | 8.9 | | 21.4 | 24.7 | | 9.4 | 19 | 29.4 | 34.2 | | 9.3 | | 51.0 | 27.0 | |
| 9.0 | | 45.0 | 30.0 | | 9.5 | | 50.6 | 10.6 | | 9.3 | | 41.4 | 11,4 | | 9.1 | | 40.5 | 12.8 | a | 9.4 | 40 | 47.7 | 57.2 | B |
| 9.3 | | 49.0 | 12.2 | B | 8.6 | | 53.7 | 34.9 | L | 9.3 | | 57.0 | 0.8 | | 8.5 | | 47.5 | 37.3 | | 9.5 | | 48.5 | 50.7 | B |
| 8.8 | | 53.6 | 4.4 | | 9.5 | 32 | 9.2 | 16.5 | | 9.5 | 55 | 40.6 | 55.0 | B | 9.0 | 20 | 32.4 | 4.6 | | 9.4 | 41 | 25.4 | 0.5 | |
| 8.0 | 9 | 4.9 | 13.8 | K | 8.3 | | 9.5 | 52.0 | K | 8.5 | 56 | 1.3 | 52.9 | K | 9.4 | | 40.2 | 39.4 | a | 9.5 | | 53.6 | 25.2 | |
| 8.5 | | 58.3 | 10.3 | K | 9.5 | | 29.2 | 36.9 | | 9.0 | | 22.3 | 48.2 | K | 9.5 | | 44.0 | 51.8 | | 9.4 | 43 | 6.0 | 50.6 | B |
| 9.3 | 10 | 17.4 | 26.5 | | 9.5 | | 47.2 | 9.4 | | 9.5 | | 40.4 | 33.0 | | 9.0 | 21 | 8.0 | 22.9 | K | 8.4 | 44 | 18.4 | 29.1 | |
| 9.1 | | 30.9 | 54.7 | ab | 9.0 | | 53.7 | 14.9 | | 9.0 | 57 | 37.3 | 24.3 | B | 9.2 | | 29.4 | 11.0 | B | 9.5 | | 26.2 | 6.1 | |
| 9.5 | | 52.0 | 7.2 | | 8.7 | 33 | 3.7 | 44.5 | K | 8.8 | 58 | 19.1 | 7.8 | K | 9.4 | 22 | 7.6 | 50.8 | | 9.5 | 45 | 29.2 | 5.1 | |
| 9.3 | 11 | 16.8 | 9.3 | | 8.6 | | 40.8 | 23.8 | | 9.5 | | 19.2 | 37.2 | | 8.5 | | 12.2 | 9.1 | B | 9.3 | | 46.5 | 16.3 | |
| 9.2 | | 31.0 | 12.3 | B | 9.3 | 34 | 20.1 | 15.6 | | 9.5 | | 43.2 | 55.4 | | 9.5 | 23 | 44.7 | 2.5 | | 9.3 | | 50.2 | 57.7 | |
| 9.5 | 12 | 2.4 | 34.6 | | 9.5 | 35 | 2.7 | 6.7 | | 9.1 | | 49.1 | 34.3 | | 8.6 | | 46.2 | 33.7 | K | 9.2 | | 59.2 | 43.8 | B |
| 9.5 | | 7.1 | 53.4 | | 9.1 | | 8.2 | 20.4 | K | 9.5 | 59 | 56.3 | 33.2 | | 7.9 | | 50.8 | 56.3 | K | 9.3 | 46 | 38.9 | 5.2 | a |
| 5.0 | 13 | 6.4 | 58.6 | Kb | 9.5 | | 21.0 | 41.5 | | 9.0 | 0 | 4.6 | 37.3 | | 9.1 | 24 | 44.0 | 25.2 | b | 7.2 | | 48.0 | 8.1 | K |
| 9.0 | | 22.8 | 34.9 | | 9.5 | 36 | 7.5 | 50.7 | | 9.0 | | 49.6 | 8.1 | K | 9.5 | 25 | 10.5 | 17.4 | | 8.3 | | 51.4 | 33.5 | L |
| 9.3 | | 24.1 | 53.1 | | 7.5 | | 42.6 | 44.1 | K | 8.0 | 1 | 0.5 | 42.7 | K | 9.2 | | 15.4 | 34.6 | | 8.0 | 47 | 19.4 | 39.6 | L |
| 9.5 | 14 | 30.3 | 13.8 | | 9.1 | 37 | 1.1 | 30.2 | a | 9.5 | 2 | 16.3 | 10.6 | | 9.5 | | 20.4 | 42.8 | a | 9.5 | 48 | 15.5 | 2.2 | |
| 9.5 | | 48.6 | 21.9 | | 9.0 | | 23.6 | 33.5 | B | 9.3 | | 18.1 | 33.1 | K | 9.3 | | 40.0 | 5.0 | | 9.5 | 49 | 29.9 | 26.2 | |
| 9.5 | | 51.7 | 36.0 | | 9.1 | 38 | 0.9 | 16.3 | a | 9.4 | | 56.3 | 52.9 | B | 9.5 | | 48.5 | 13.6 | | 9.5 | | 46.3 | 33.4 | |
| 9.5 | 16 | 7.1 | 15.0 | | 9.5 | | 43.8 | 53.1 | | 9.0 | 3 | 32.8 | 38.1 | B | 8.6 | 26 | 17.4 | 45.3 | K | 9.5 | 50 | 5.5 | 3.3 | |
| 9.5 | | 41.8 | 4.2 | | 8.2 | 39 | 31.6 | 45.2 | Sb | 9.5 | | 53.0 | 33.4 | | 9.1 | | 17.5 | 16.1 | ab | 9.5 | 51 | 9.0 | 58.3 | B |
| 8.7 | | 53.6 | 42.7 | L | 9.1 | | 37.2 | 20.4 | K | 9.2 | 4 | 39.2 | 22.0 | K | 9.5 | | 33.5 | 31.8 | | 9.3 | | 23.7 | 26.5 | K |
| 9.5 | | 55.2 | 33.0 | | 9.0 | | 47.7 | 11.1 | K | 9.0 | 5 | 14.0 | 15.2 | K | 9.3 | 27 | 35.1 | 5.8 | | 9.2 | 52 | 1.0 | 44.7 | K |
| 7.7 | 17 | 8.4 | 48.2 | L | 9.3 | | 51.8 | 8.4 | | 9.5 | | 49.1 | 1.3 | | 8.3 | | 47.6 | 55.6 | Bb | 9.4 | | 28.8 | 39.2 | |
| 9.4 | | 13.5 | 0.4 | | 9.0 | 40 | 58.2 | 31.8 | | 9.0 | | 50.3 | 43.0 | B | 9.5 | 28 | 15.9 | 35.9 | | 9.3 | 53 | 2.3 | 56.4 | K |
| 9.0 | | 29.7 | 48.5 | | 8.3 | 41 | 19.3 | 58.2 | L | 9.5 | 6 | 5.3 | 48.0 | | 9.5 | | 24.4 | 29.0 | | 9.4 | | 58.9 | 28.3 | |
| 8.8 | | 46.6 | 19.6 | K | 8.7 | 42 | 22.6 | 12.2 | K | 9.0 | | 12.7 | 16.0 | K | 9.0 | 29 | 9.3 | 22.9 | B | 6.5 | 54 | 51.6 | 42.1 | K |
| 9.2 | 18 | 42.0 | 48.8 | K | 9.3 | | 29.1 | 13.3 | K | 9.5 | 7 | 2.0 | 28.9 | | 9.5 | | 15.5 | 34.4 | | 8.0 | | 54.5 | 0.5 | K |
| 9.5 | | 59.4 | 36.1 | | 9.5 | | 40.0 | 49.8 | | 8.9 | | 2.6 | 22.5 | | 8.5 | | 18.3 | 42.2 | B | 9.4 | 55 | 5.9 | 23.9 | |
| 8.9 | 19 | 2.7 | 11.9 | B | 9.5 | 44 | 7.2 | 21.5 | | 9.5 | | 40.3 | 17.9 | | 8.6 | | 30.9 | 24.9 | | 8.4 | | 21.3 | 56.6 | K |
| 9.2 | | 18.5 | 20.6 | a | 9.5 | | 26.1 | 20.5 | | 9.2 | | 46.0 | 7.7 | | 8.5 | 30 | 28.0 | 16.0 | | 9.5 | | 57.8 | 14.8 | |
| 9.5 | | 56.5 | 11.3 | | 9.1 | | 38.0 | 14.0 | K | 9.5 | 8 | 4.7 | 7.9 | | 9.5 | | 57.2 | 54.3 | | 9.4 | 56 | 12.4 | 57.4 | |
| 9.5 | 20 | 58.4 | 36.8 | | 9.5 | | 41.4 | 46.7 | | 9.0 | | 47.3 | 49.4 | B | 9.5 | | 59.0 | 21.9 | | 8.5 | | 28.5 | 20.7 | K |
| 9.4 | 21 | 29.0 | 16.5 | | 9.5 | | 53.7 | 10.4 | | 9.4 | | 50.8 | 55.2 | | 9.1 | 31 | 42.8 | 58.1 | K | 9.5 | | 32.6 | 22.5 | B |
| 8.0 | 22 | 3.8 | 44.4 | K | 8.3 | | 59.4 | 17.7 | K | 9.3 | | 53.6 | 37.8 | B | 9.5 | | 51.9 | 3.0 | | 9.5 | | 44.7 | 51.3 | |
| 9.1 | | 34.6 | 2.4 | a | 9.5 | 46 | 8.1 | 27.4 | | 9.5 | 9 | 55.3 | 2.0 | | 9.5 | | 56.5 | 48.0 | | 8.5 | | 58.9 | 18.2 | K |
| 9.5 | 23 | 25.8 | 13.3 | | 9.3 | | 11.7 | 5.8 | a | 9.5 | 10 | 4.6 | 51.3 | B | 9.4 | 32 | 25.0 | 30.0 | | 8.4 | 57 | 9.6 | 7.4 | K |
| 9.5 | | 26.7 | 17.9 | | 9.3 | | 40.8 | 12.2 | | 9.0 | | 5.3 | 16.2 | | 8.8 | | 40.5 | 10.5 | K | 9.5 | 1 | 8.1 | 24.6 | |
| 9.4 | | 27.3 | 33.3 | | 7.5 | | 43.2 | 7.2 | K | 5.8 | | 34.5 | 58.2 | Kb | 8.8 | 33 | 5.0 | 26.6 | | 6.5 | | 29.2 | 16.3 | K |
| 9.3 | | 38.6 | 38.9 | Kb | 9.5 | 47 | 21.5 | 55.4 | | 9.2 | | 54.7 | 32.8 | K | 9.5 | | 31.7 | 2.5 | | 8.9 | | 58.9 | 46.9 | K |
| 9.5 | 24 | 34.1 | 43.3 | | 8.9 | | 23.4 | 37.2 | | 9.5 | 11 | 54.8 | 11.5 | | 9.4 | | 45.4 | 35.6 | | 9.5 | 4 | 32.6 | 22.5 | |
| 9.5 | | 55.5 | 1.8 | | 8.8 | | 28.7 | 19.5 | K | 7.8 | 12 | 22.9 | 51.3 | K | 9.3 | | 55.2 | 17.5 | B | 9.5 | | 39.7 | 27.6 | |
| 8.8 | 25 | 3.2 | 10.5 | | 9.5 | | 58.4 | 46.4 | | 9.0 | | 45.5 | 28.4 | | 5.0 | 34 | 58.0 | 5.9 | K | 9.5 | 5 | 20.4 | 7.5 | |
| 9.5 | | 38.8 | 17.4 | a | 9.5 | 48 | 13.3 | 20.9 | | 9.5 | | 50.0 | 10.7 | B | 8.9 | 35 | 17.0 | 31.3 | K | 9.5 | | 49.6 | 20.4 | b |
| 9.5 | 26 | 27.5 | 44.7 | | 9.5 | | 13.6 | 8.3 | a | 8.6 | | 57.9 | 24.3 | K | 9.2 | | 19 3 | 35.0 | | 9.5 | 7 | 30.5 | 40.9 | |
| 9.0 | 27 | 9.1 | 42.5 | | 9.5 | | 16.1 | 37.1 | | 9.5 | 14 | 8.7 | 49.8 | | 9.5 | | 31.4 | 55.0 | | 9.5 | 8 | 0.7 | 58.6 | a |
| 7.3 | | 31.4 | 32.0 | R | 9.5 | | 26.9 | 57.4 | | 8.8 | | 14.0 | 19.1 | B | 7.8 | 36 | 0.4 | 23.2 | L | 8.6 | | 19.6 | 56.7 | Kb |
| 9.5 | 28 | 3.9 | 50.4 | | 9.5 | | 56.7 | 50.2 | | 8.3 | | 54.0 | 28.7 | K | 9.3 | | 15.9 | 11.1 | | 9.2 | | 56.8 | 56.8 | K |
| 9.5 | | 12.1 | 0.9 | | 6.5 | 49 | 30.6 | 4.9 | Kb | 9.2 | 15 | 39.5 | 37.3 | a | 9.3 | | 50.5 | 28.4 | | 9.2 | 9 | 54.7 | 5.5 | K |
| 9.5 | | 18.5 | 15.3 | | 7.7 | | 46.8 | 49.1 | K | 9.1 | | 53.7 | 7.2 | a | 9.3 | | 54.1 | 3.1 | | 9.5 | | 59.8 | 6.5 | B |
| 9.3 | | 22.2 | 40.3 | | 9.0 | 50 | 15.4 | 31.5 | | 9.3 | 16 | 2.1 | 48.7 | | 9.5 | 37 | 44.4 | 20.8 | | 7.7 | 10 | 56.4 | 0.9 | K |
| 9.5 | 29 | 4.1 | 11.0 | B | 9.5 | 51 | 23.3 | 4.4 | | 8.0 | | 16.9 | 0.9 | K | 9.5 | | 45.0 | 15.0 | | 9.0 | 11 | 27.7 | 47.5 | Kb |
| 9.3 | | 19.7 | 53.4 | | 9.5 | | 33.3 | 43.5 | | 8.1 | | 55.2 | 0.9 | K | 9.2 | | 54.9 | 5.2 | Bb | 9.0 | 12 | 0.8 | 54.6 | K |
| 9.5 | | 36.7 | 48.6 | | 9.5 | | 51.9 | 26.4 | | 9.0 | | 59.2 | 4.3 | K | 9.0 | | 55.7 | 26.3 | | 9.5 | | 40.7 | 15.9 | |
| 9.3 | | 39.2 | 24.2 | K | 9.4 | 52 | 9.2 | 29.2 | | 8.6 | 17 | 0.8 | 20.2 | | 9.5 | 38 | 25.0 | 28.4 | | 9.5 | | 41.1 | 52.4 | B |
| 9.5 | | 49.1 | 8.2 | | 8.3 | | 17.2 | 3.1 | K | 9.5 | 18 | 15.0 | 33.9 | | 9.4 | | 26.8 | 7.6 | | 9.5 | | 44.0 | 49.4 | |
| 9.3 | | 57.6 | 55.5 | B | 8.6 | | 18.9 | 10.7 | Kb | 8.5 | | 18.4 | 23.6 | K | 9.0 | | 40.9 | 21.1 | | 9.5 | | 58.6 | 49.1 | |
| 9.4 | 30 | 6.7 | 54.0 | | 9.5 | 53 | 6.7 | 30.3 | | 9.5 | | 33.9 | 17.1 | | 9.5 | 39 | 38.4 | 3.2 | | 9.4 | 13 | 19.0 | 52.0 | B |
| 9.5 | | 10.8 | 59.3 | | 6.5 | | 51.3 | 42.7 | K | 9.5 | | 44.0 | 41.8 | a | 9.5 | | 38.5 | 22.2 | | 5.7 | | 29.7 | 5.5 | Kb |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 33.07 | 3.14 | | 10pr. | | 33.75 | 3.01 | | 10pr. | | 34.39 | 2.84 | | 10pr. | | 34.94 | 2.65 | | 10pr. | | 35.53 | 2.41 | |

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵐ | | +27° | | | 3ᵐ | | +27° | | | 3ᵐ—4ᵐ | | +27° | | | 4ᵐ—5ᵐ | | +27° | | | 5ᵐ | | +27° | |
| m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | |
| 8.5 | 14 | 15.7 | 11.5 | K | 7.9 | 36 | 42.1 | 44.5 | K | 9.1 | 54 | 7.0 | 16.3 | B | 9.5 | 30 | 56.3 | 5.8 | | 9.3 | 6 | 40.7 | 35.1 | |
| 9.5 | 15 | 6.1 | 50.3 | | 9.0 | 37 | 35.2 | 18.4 | | 9.3 | | 54.8 | 59.9 | B | 9.4 | 31 | 35.7 | 31.9 | *a* | 9.1 | 7 | 14.5 | 14.4 | *ab* |
| 9.1 | | 30.7 | 54.3 | K | 9.1 | | 51.0 | 1.2 | | 8.2 | 55 | 1.2 | 45.6 | K | 9.3 | 32 | 1.8 | 33.4 | Bb | 9.0 | | 20.9 | 40.5 | |
| 9.5 | | 49.0 | 2.7 | | 9.5 | 38 | 24.1 | 12.2 | | 8.3 | | 4.2 | 17.4 | K | 9.4 | | 2.5 | 6.6 | | 8.8 | | 45.8 | 32.7 | |
| 9.1 | | 53.6 | 26.6 | K | 9.5 | 39 | 15.2 | 31.4 | | 9.2 | | 34.3 | 17.7 | | 9.3 | | 20.4 | 21.0 | | 9.0 | 8 | 7.4 | 12.3 | |
| 9.5 | 16 | 12.2 | 20.1 | | 9.4 | | 16.4 | 22.1 | | 9.4 | | 57.6 | 32.7 | | 9.3 | | 24.1 | 8.8 | | 8.6 | | 14.9 | 36.1 | |
| 9.5 | 17 | 45.1 | 11.8 | *a* | 8.5 | | 24.2 | 11.5 | K | 9.1 | 56 | 1.7 | 8.4 | | 9.4 | 33 | 29.9 | 8.9 | B | 9.4 | | 50.7 | 26.2 | |
| 9.5 | 18 | 18.0 | 4.6 | | 9.5 | 40 | 1.1 | 25.2 | | 7.8 | | 19.1 | 12.2 | K | 8.0 | 34 | 35.0 | 24.4 | K | 9.5 | | 56 0 | 31.7 | B |
| 9.1 | | 54.7 | 14.2 | K | 8.8 | | 6.1 | 37.0 | K | 7.8 | | 34.7 | 29.7 | K | 9.5 | | 50.1 | 58.8 | | 9.5 | 9 | 5.7 | 4.5 | |
| 9.5 | 21 | 18.8 | 59.5 | | 9.3 | | 42.5 | 51.8 | | 8.8 | | 43.8 | 59.6 | | 9.3 | 35 | 56.2 | 1.3 | | 8.3 | | 34.3 | 55.4 | Kb |
| 9.2 | | 24.2 | 38.0 | *b* | 9.0 | | 53.4 | 21.8 | | 9.5 | 57 | 18.7 | 38.0 | | 9.0 | 37 | 0.1 | 3.5 | B | 9.5 | | 41.3 | 19.3 | |
| 9.5 | | 26.6 | 26.6 | | 9.5 | 41 | 0.0 | 55.4 | | 9.1 | | 40.6 | 8.3 | K | 9.3 | | 10.1 | 13.4 | | 9.4 | 10 | 22.1 | 26.5 | |
| 8.0 | 22 | 14.2 | 12.9 | K | 9.5 | | 21.9 | 25.9 | | 5.1 | | 43.7 | 13.6 | Kb | 9.5 | | 24.0 | 42.9 | | 9.1 | | 39.5 | 0.8 | |
| 8.0 | | 19.1 | 13.2 | K | 9.5 | | 41.2 | 26.3 | | 8.5 | | 50.8 | 7.6 | K | 8.3 | | 32.1 | 38.9 | Kb | 9.2 | 11 | 5.7 | 29.4 | *b* |
| 5.7 | | 35.8 | 3.8 | K | 9.3 | 42 | 26.8 | 9.3 | B | 8.7 | 58 | 19.1 | 6.3 | K | 9.0 | | 51.8 | 57.4 | B | 9.0 | | 27.5 | 55.0 | |
| 9.4 | | 56.0 | 53.9 | | 9.4 | | 30.1 | 1.7 | B | 9.5 | 59 | 19.1 | 24.7 | | 9.3 | 38 | 51.7 | 27.8 | | 9.4 | | 47.3 | 16.2 | |
| 9.0 | 23 | 10.1 | 21.2 | | 9.5 | | 39.7 | 1.4 | *a* | 9.5 | | 43.5 | 51.4 | | 9.2 | 40 | 14.5 | 28.8 | *b* | 9.3 | | 47.6 | 56.2 | |
| 9.3 | | 14.7 | 37.0 | | 9.3 | | 41.7 | 13.6 | | 9.5 | | 47.0 | 33.3 | Bb | 9.3 | | 32.7 | 34.8 | | 6.5 | | 54.9 | 48.2 | L |
| 8.8 | | 50.7 | 52.4 | Kb | 9.4 | 43 | 5.2 | 24.8 | | 9.5 | 0 | 4.1 | 12.2 | | 8.4 | 41 | 19.6 | 59.3 | L | 9.0 | | 55.1 | 59.0 | |
| 9.5 | 24 | 7.6 | 17.7 | | 9.4 | | 5.5 | 1.3 | B | 9.5 | | 23.6 | 14.0 | | 8.8 | | 19.8 | 52.0 | | 9.4 | 12 | 5.8 | 46.5 | |
| 9.0 | | 28.6 | 47.0 | K | 9.5 | | 8.6 | 54.5 | | 9.5 | | 42.6 | 30.2 | | 6.0 | 43 | 44.9 | 38.9 | K | 9.5 | | 33.3 | 42.2 | |
| 9.4 | | 34.5 | 17.3 | | 8.8 | | 8.7 | 36.2 | K | 9.4 | | 55.5 | 0.7 | *a* | 8.7 | | 50.8 | 3.8 | Kb | 9.0 | | 34.3 | 16.8 | Bb |
| 9.3 | 25 | 35.8 | 34.6 | | 8.8 | | 11.6 | 32.1 | K | 9.5 | 1 | 37.4 | 18.8 | | 9.5 | | 52.7 | 6.8 | | 9.4 | | 43.3 | 15.0 | |
| 9.4 | 26 | 20.0 | 26.7 | | 9.4 | | 31.9 | 7.1 | *a* | 9.5 | 2 | 14.6 | 43.2 | | 8.2 | | 57.5 | 50.7 | K | 9.3 | | 44.2 | 56.8 | |
| 8.7 | | 36.8 | 3.6 | L | 8.6 | | 35.1 | 41.0 | K | 9.5 | | 21.0 | 32.6 | | 9.5 | 44 | 20.6 | 10.0 | | 8.8 | 13 | 27.4 | 56.0 | |
| 8.5 | | 39.2 | 22.5 | K | 8.6 | 44 | 6.0 | 4.8 | | 9.5 | 3 | 5.8 | 4.6 | | 9.5 | | 59.1 | 40.9 | | 9.4 | 15 | 46.5 | 34.5 | |
| 9.1 | | 51.1 | 16.3 | | 8.5 | | 28.6 | 34.9 | K | 9.5 | 4 | 8.4 | 39.9 | | 9.5 | 46 | 17.5 | 6.1 | | 9.5 | | 54.3 | 42.7 | |
| 9.5 | 27 | 1.2 | 36.3 | | 9.5 | | 36.5 | 46.7 | | 9.5 | | 53.7 | 5.0 | *b* | 8.6 | | 52.6 | 35.1 | K | 9.4 | 16 | 15.2 | 55.8 | |
| 8.0 | | 19.6 | 6.8 | K | 7.8 | | 46.1 | 42.1 | K | 8.1 | 5 | 35.7 | 35.0 | K | 9.4 | 47 | 30.1 | 37.5 | | 8.9 | | 29.6 | 49.6 | |
| 9.4 | | 58.5 | 13.4 | *a* | 9.1 | | 46.1 | 33.2 | | 9.4 | 7 | 4.1 | 3.5 | | 9.5 | | 48.0 | 6.0 | | 9.5 | | 45.4 | 19.5 | |
| 9.5 | 28 | 16.9 | 1.5 | | 9.4 | | 52.3 | 52.5 | | 8.7 | 9 | 29.6 | 43.7 | K | 9.1 | 48 | 37.2 | 57.2 | | 7.8 | 17 | 55.2 | 28.8 | K |
| 9.5 | | 20.7 | 6.8 | | 9.5 | 45 | 8.6 | 55.8 | B | 9.4 | | 30.4 | 20.3 | | 8.6 | | 40.5 | 8.6 | K | 9.3 | 18 | 34.0 | 45.8 | |
| 9.5 | | 33.0 | 14.9 | B | 9.5 | | 18.1 | 53.3 | | 9.1 | | 58.7 | 35.8 | *b* | 9.5 | | 55.8 | 25.3 | B | 9.1 | | 52.1 | 23.1 | *b* |
| 8.8 | | 44.1 | 57.7 | K | 9.4 | | 30.8 | 56.9 | *B* | 9.5 | 11 | 21.4 | 55.7 | | 9.5 | 50 | 15.2 | 48.2 | | 9.4 | | 55.8 | 21.4 | |
| 9.3 | 29 | 24.8 | 6.8 | | 9.4 | | 40.7 | 56.5 | | 5.5 | | 27.0 | 0.1 | K | 9.2 | | 36.5 | 51.9 | *b* | 9.4 | 19 | 36.6 | 55.7 | |
| 9.3 | | 28.1 | 39.3 | | 9.4 | 46 | 1.4 | 34.8 | *B* | 7.5 | 12 | 21.1 | 0.4 | K | 7.2 | | 53.1 | 5.4 | S | 9.2 | | 46.2 | 36.7 | |
| 8.8 | | 43.7 | 52.7 | K | 8.0 | | 8.2 | 46.3 | K | 8.7 | | 59.2 | 56.9 | K | 9.1 | 51 | 9.9 | 17.9 | | 9.5 | | 53.4 | 42.6 | |
| 9.5 | 30 | 14.9 | 0.7 | | 9.3 | | 9.2 | 20.8 | | 8.0 | 14 | 45.3 | 50.9 | K | 9.4 | 52 | 4.6 | 59.3 | | 8.7 | 20 | 24.8 | 43.3 | K |
| 9.5 | | 16.8 | 54.2 | | 9.5 | | 44.0 | 50.0 | B | 9.5 | 17 | 20.7 | 29.3 | *ab* | 9.1 | 53 | 37.3 | 54.9 | *b* | 9.5 | | 26.5 | 2.3 | |
| 8.7 | | 23.6 | 28.4 | S | 8.5 | | 55.2 | 44.2 | K | 7.0 | 19 | 19.7 | 27.5 | K | 9.1 | | 48.7 | 49.9 | | 9.1 | 21 | 13.1 | 35.8 | R |
| 9.5 | | 48.1 | 3.5 | | 9.3 | 47 | 7.7 | 11.1 | | 6.5 | 20 | 23.8 | 4.0 | K | 9.5 | 54 | 44.7 | 57.4 | | 9.2 | | 55.8 | 1.8 | |
| 8.6 | | 51.2 | 17.3 | | 9.5 | | 28.2 | 23.2 | *a* | 6.5 | 21 | 18.5 | 48.7 | K | 9.1 | 55 | 1.1 | 20.8 | | 9.5 | 22 | 5.6 | 26.3 | |
| 9.5 | 31 | 9.2 | 24.5 | | 9.5 | | 43.6 | 53.0 | | 9.5 | 23 | 49.9 | 25.5 | | 6.5 | | 35.6 | 29.3 | K | 7.3 | | 16.1 | 39.4 | K |
| 9.5 | | 11.4 | 51.0 | | 9.4 | | 48.1 | 49.3 | B | 9.5 | 24 | 0.7 | 16.5 | *a* | 9.2 | | 57.1 | 29.2 | *a* | 9.5 | | 35.5 | 21.3 | |
| 9.3 | | 15.2 | 14.9 | | 9.2 | 48 | 8.0 | 19.5 | B | 9.0 | 25 | 44.3 | 13.4 | K | 9.5 | 56 | 4.7 | 44.0 | | 9.5 | | 44.9 | 21.9 | B |
| 9.5 | | 40.1 | 53.2 | | 9.1 | | 47.2 | 39.4 | Kb | 9.5 | | 51.1 | 56.3 | | 9.0 | | 12.2 | 27.2 | *B* | 9.5 | | 57.8 | 26.0 | *a* |
| 9.5 | | 44.1 | 24.5 | | 9.5 | | 48.7 | 33.2 | | 9.0 | | 52.4 | 43.4 | | 9.1 | | 53.6 | 55.1 | *b* | 9.5 | 24 | 1.0 | 6.8 | |
| 9.5 | 32 | 38.8 | 11.3 | | 9.5 | | 59.7 | 56.8 | | 9.1 | 26 | 31.7 | 48.8 | | 9.1 | 57 | 38.0 | 57.4 | R | 9.5 | | 3.7 | 4.1 | |
| 9.5 | | 47.2 | 9.7 | | 9.2 | 49 | 22.9 | 31.5 | B | 9.0 | 27 | 11.1 | 56.7 | K | 9.2 | | 52.4 | 58.1 | *a* | 9.0 | | 14.8 | 48.4 | |
| 8.1 | 33 | 21.4 | 50.0 | Kb | 9.5 | | 52.3 | 4.3 | | 9.2 | | 28.3 | 58 5 | | 9.5 | 58 | 41.0 | 15.5 | | 9.5 | | 31.4 | 50.9 | |
| 9.4 | | 26.5 | 50.2 | *a* | 8.3 | 51 | 13.5 | 7.5 | K | 9.5 | | 50.5 | 54.2 | B | 9.0 | 0 | 16.6 | 6.3 | Kb | 8.0 | | 50.1 | 3.7 | Kb |
| 9.5 | | 51.7 | 21.4 | | 9.1 | | 19.7 | 11.1 | | 9.4 | 28 | 1.6 | 42.6 | B | 5.5 | | 40.1 | 51.0 | K | 9.5 | 25 | 0.7 | 47.7 | |
| 9.2 | 34 | 25.6 | 21.6 | B | 9.5 | 52 | 9.6 | 14.9 | | 7.3 | | 9.7 | 36.8 | K | 8.9 | | 51.4 | 28.5 | | 9.2 | | 10.8 | 28.2 | B |
| 9.5 | | 30.4 | 0.6 | | 9.5 | | 27.4 | 6.5 | | 9.5 | | 23.7 | 27.5 | | 7.3 | | 58.6 | 22.3 | L | 7.8 | | 17.0 | 13.8 | K |
| 8.5 | 35 | 34.1 | 45.5 | K | 9.5 | | 28.1 | 21.1 | *a* | 9.5 | 29 | 13.3 | 35.5 | | 9.5 | 1 | 13.8 | 6.2 | | 9.3 | | 18.3 | 59.1 | |
| 6.6 | | 48.4 | 26.1 | K | 8.5 | | 33.7 | 12.2 | B | 9.5 | | 49.0 | 3.3 | | 9.3 | 2 | 33.0 | 22.6 | *a* | 9.5 | | 29.7 | 3.0 | |
| 9.5 | | 48.7 | 34.9 | | 9.3 | 53 | 17.0 | 38.4 | | 9.2 | | 55.1 | 53.3 | K | 8.8 | 3 | 30.7 | 24.8 | | 9.2 | | 30.9 | 29.2 | |
| 7.0 | | 54.2 | 27.9 | B | 7.5 | | 21.6 | 43.8 | K | 9.5 | 30 | 19.7 | 27.1 | | 9.1 | | 51.2 | 35.6 | Bb | 8.0 | | 31.4 | 56.7 | B |
| 8.7 | 36 | 9.7 | 5.2 | | 9.5 | | 54.6 | 47.5 | | 8.8 | | 31.1 | 43.8 | B | 9.2 | 4 | 42.9 | 2.4 | Kb | 8.2 | | 31.8 | 47.5 | *B* |
| 9.5 | | 16.2 | 24.5 | | 9.5 | 54 | 1.4 | 47.2 | | 9.4 | | 38.0 | 51.4 | | 9.3 | 6 | 21.7 | 34.8 | | 9.5 | | 45.5 | 13.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 36.20 | 2.05 | | 10 pr. | | 36.50 | 1.86 | | 10 pr. | | 36.87 | 1.56 | | 10 pr. | | 37.34 | 1.03 | | 10 pr. | | 37.55 | 0.62 | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵐ | | +27° | | | 5ᵐ | | +27° | | | 5ᵐ | | +27° | | | 5ᵐ—6ᵐ | | +27° | | | 6ᵐ | | +27° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 25′ | 56.9 | 2.2 | | 9.5 | 37′ | 22.5 | 11.3 | | 9.4 | 47′ | 51.4 | 50.2 | | 9.4 | 57′ | 29.3 | 54.7 | | 9.0 | 7′ | 57.3 | 53.9 | R |
| 8.8 | 26 | 9.7 | 24.9 | L | 9.5 | | 34.0 | 14.9 | | 8.9 | | 58.1 | 34.4 | B | 9.4 | | 29.4 | 38.4 | B | 9.5 | 8 | 6 3 | 3.0 | |
| 9.1 | | 14.9 | 43.4 | α | 9.4 | | 51.9 | 36.3 | | 7.7 | 48 | 0.9 | 16.9 | K | 9.2 | | 38.7 | 6.0 | | 9.1 | | 14.2 | 20.3 | R |
| 9.4 | | 37.2 | 13.0 | | 9.2 | | 56.7 | 52.6 | | 9.5 | | 8.0 | 38.9 | | 9.4 | | 40.0 | 54.5 | | 9.5 | | 15.0 | 40.8 | |
| 9.5 | | 48.5 | 6.3 | | 9.5 | 38 | 30.5 | 48.4 | | 9.4 | | 11.8 | 20.6 | Kb | 9.5 | | 47.6 | 58.9 | | 9.0 | | 19.7 | 7.2 | Kb |
| 7.1 | | 50.0 | 33.7 | K | 8.0 | | 38.6 | 34.5 | Lb | 9.3 | | 18.8 | 35.7 | α | 9.4 | | 58.4 | 33.6 | | 9.5 | | 20.3 | 47.0 | |
| 9.4 | 27 | 1.3 | 6.8 | | 9.5 | | 38.7 | 49.1 | | 9.3 | | 25.4 | 52.2 | | 9.4 | 58 | 10.7 | 41.5 | | 9.5 | | 31.7 | 50.7 | |
| 9 5 | | 14.0 | 49.0 | | 9.5 | 39 | 9.2 | 7.1 | | 9.5 | | 40.0 | 34.2 | | 9.3 | | 20.3 | 49.6 | | 9.3 | | 35.3 | 13.7 | α |
| 9.5 | | 14.6 | 22.2 | | 9.4 | | 10.3 | 10.6 | | 9.2 | | 42.8 | 6.0 | | 9.5 | | 26.3 | 17.0 | | 9.0 | | 48.4 | 14.4 | K |
| 9.4 | | 17.8 | 11.3 | | 9.5 | | 28.1 | 7.5 | | 9.5 | | 46.4 | 41.0 | | 9.5 | | 29.5 | 25.2 | | 9.5 | | 49.4 | 32.9 | |
| 8.5 | | 32.8 | 48.8 | K | 9.5 | | 35.0 | 8.5 | | 9.5 | 49 | 2.8 | 1.5 | | 8.5 | | 31.3 | 52.7 | K | 9.2 | | 57.2 | 44.5 | |
| 9.3 | | 42.1 | 23.6 | | 9.5 | | 38.3 | 56.5 | | 9.1 | | 20.7 | 43.5 | K | 9.2 | | 33.4 | 57.4 | | 9.5 | 9 | 3.6 | 0.9 | |
| 9.4 | | 56.7 | 31.8 | | 9.4 | | 39.5 | 16.9 | | 9.5 | | 35.8 | 49.2 | | 9.5 | | 38.0 | 9.1 | | 9.1 | | 11.3 | 23.2 | |
| 9.5 | 28 | 6.2 | 8.3 | | 8.1 | | 43.4 | 18.7 | L | 9.5 | | 44.8 | 3.5 | | 8.2 | | 52.3 | 26.6 | L | 7.1 | | 16.3 | 15.3 | K |
| 9.4 | | 10.9 | 10.6 | α | 9.5 | | 45.1 | 8.6 | | 8.2 | | 47.9 | 35.4 | K | 9.5 | 59 | 11.2 | 33.8 | | 9.5 | | 38.4 | 47.6 | |
| 9.5 | | 25.3 | 50.5 | | 9.3 | 40 | 12.2 | 40.9 | | 9.0 | | 53.7 | 45.8 | K | 9.5 | | 15.2 | 57.2 | | 9.4 | | 46.2 | 43.0 | |
| 9.5 | | 26.1 | 18.3 | | 9.3 | | 20.3 | 55.7 | | 9.5 | | 53.8 | 17.4 | | 9.2 | | 15.3 | 20.3 | B | 9.5 | | 49.1 | 49.2 | |
| 8.8 | | 35.8 | 10.7 | K | 9.5 | | 28.0 | 1.1 | | 7.9 | | 59.5 | 32.5 | K | 9.4 | | 17.1 | 19.6 | | 9.5 | | 55.0 | 51.4 | |
| 9.4 | 29 | 0.4 | 42.3 | | 9.4 | | 30.2 | 7.2 | | 9.4 | 50 | 3.2 | 39.4 | | 9.3 | | 17.3 | 20.0 | B | 9.3 | | 57.5 | 57.0 | |
| 9.3 | | 31.1 | 58.6 | α | 7.0 | | 31.8 | 30.0 | K | 9.0 | | 3.8 | 33.2 | ✓L | 9.1 | | 23.3 | 48.7 | b | 8.4 | 10 | 11.8 | 2.5 | L |
| 9.5 | | 32.7 | 15.9 | | 8.8 | | 39.9 | 4.8 | K | 9.5 | | 14.4 | 3.6 | | 9.3 | | 27.4 | 10.0 | | 9.2 | | 16.4 | 59.9 | K |
| 9.3 | | 35.1 | 55.4 | B | 9.3 | | 47.5 | 41.8 | | 9.4 | | 39.7 | 12.0 | | 9.5 | | 35.5 | 26.0 | | 9.2 | | 18.0 | 17.1 | |
| 9.0 | | 59.8 | 54.7 | | 9.5 | 41 | 3.5 | 2.3 | | 7.0 | 51 | 0.6 | 15.5 | K | 9.5 | | 49.9 | 41.2 | | 9.3 | | 21.3 | 6.8 | |
| 9.4 | 30 | 4.0 | 47.5 | | 9.5 | | 6.9 | 27.5 | | 9.5 | | 44.7 | 49.7 | | 9.5 | 0 | 10.6 | 57.0 | | 9.1 | | 48.3 | 11.5 | B |
| 9.1 | | 5.0 | 24.8 | | 9.5 | | 27.9 | 32.7 | | 6.8 | | 54.0 | 33.5 | K | 9.4 | | 14.3 | 20.8 | | 9.4 | | 54.3 | 13.3 | |
| 9.5 | | 5.4 | 33.1 | | 7.2 | | 33.8 | 27.3 | K | 9.4 | | 54.8 | 0.5 | | 8.0 | | 21.3 | 12.6 | K | 8.3 | | 58.2 | 26.5 | L |
| 9.5 | | 24.2 | 43.3 | | 7.7 | | 41.6 | 38.1 | K | 9.5 | 52 | 9.5 | 19.5 | | 9.5 | | 51.0 | 48.1 | | 9.1 | 11 | 6.8 | 2.1 | |
| 8.8 | | 37.8 | 41.6 | K | 6.5 | | 50.3 | 55.1 | L | 9.1 | | 13.1 | 16.3 | α | 9.4 | 1 | 13.2 | 2.6 | | 8.7 | | 9.3 | 40.7 | |
| 9.5 | | 39.1 | 3.3 | | 9.5 | 42 | 8.7 | 24.5 | | 9.5 | | 19.0 | 32.1 | | 9.5 | | 33.3 | 30.1 | | 9.0 | | 18.7 | 20.3 | L |
| 9.2 | | 50.2 | 23.8 | | 9.1 | | 14.6 | 37.3 | | 9.4 | | 19.6 | 42.0 | | 9.5 | | 41.3 | 18.2 | | 8.5 | | 19.0 | 40.9 | B |
| 9.2 | 31 | 23.8 | 49.2 | | 8.3 | | 32.0 | 47.8 | K | 9.5 | | 20.0 | 3.6 | | 9.3 | | 43.5 | 56.1 | b | 9.4 | | 19.0 | 37.9 | |
| 8.4 | | 26.7 | 21.5 | | 9.5 | 43 | 32.8 | 40.9 | | 9.5 | | 39.0 | 41.8 | | 8.9 | 2 | 27.3 | 5.6 | ✓ | 9.4 | | 32.1 | 39.2 | |
| 8.2 | | 33.8 | 42.0 | K | 9.5 | | 35.1 | 16.4 | | 9.5 | | 56.1 | 11.5 | | 8.2 | | 42.3 | 9.8 | R | 9.3 | | 33.2 | 45.8 | |
| 9.4 | | 51.5 | 21.1 | | 9.4 | | 45.5 | 19.9 | | 9.5 | | 57.5 | 5.6 | | 9.4 | | 46.6 | 57.0 | | 9.5 | | 41.3 | 14.9 | |
| 9.3 | | 55.4 | 35.8 | | 9.0 | | 47.6 | 57.4 | | 8.9 | | 58.3 | 12.0 | K | 9.5 | | 52.4 | 11.7 | | 9.5 | 12 | 14.3 | 5.7 | |
| 9.4 | 32 | 2.3 | 22.5 | α | 9.5 | | 58.4 | 33.2 | | 9.1 | 53 | 4.4 | 45.2 | | 9.5 | 3 | 7.3 | 52.0 | | 9.5 | | 17.4 | 11.4 | |
| 8.7 | | 20.8 | 33.5 | | 9.1 | 44 | 3.4 | 35.0 | B | 9.5 | | 12.5 | 1.7 | | 9.5 | | 12.3 | 30.0 | Rb | 9.5 | | 18.2 | 51.9 | |
| 9.3 | | 25.2 | 36.0 | α | 9.1 | | 5.8 | 0.4 | α | 9.2 | | 16.4 | 28.1 | Kb | 9.5 | | 36.3 | 41.8 | | 9.4 | | 40.5 | 51.2 | |
| 8.4 | | 55.9 | 41.3 | Lb | 5.5 | | 12.8 | 34.2 | Kb | 9.1 | | 26.3 | 24.4 | K | 8.5 | | 54.3 | 27.5 | K | 9.3 | | 46.3 | 1.9 | |
| 9.2 | | 59.8 | 3.7 | | 9.0 | | 34.3 | 29.5 | K | 9.3 | | 26.7 | 54.0 | | 9.5 | 4 | 0.2 | 58.8 | | 9.5 | | 47.3 | 11.7 | |
| 9.4 | 33 | 39.6 | 36.6 | | 9.3 | | 38.0 | 22.1 | | 9.5 | | 48.9 | 30.3 | | 9.5 | | 7.5 | 40.4 | | 9.2 | | 49.3 | 35.7 | Kb |
| 9.4 | | 42.0 | 33.0 | | 9.3 | | 46.8 | 1.6 | | 9.4 | 54 | 0.0 | 26.2 | α | 9.4 | | 18.2 | 18.7 | | 9.0 | | 49.8 | 34.0 | K |
| 9.3 | | 43.0 | 23.9 | | 9.4 | 45 | 28.7 | 17.9 | | 8.7 | | 19.6 | 38.3 | K | 9.5 | | 21.3 | 14.7 | | 9.3 | 13 | 11.8 | 24.9 | |
| 9.5 | 34 | 12.8 | 53.5 | | 9.5 | | 44.6 | 33.0 | | 9.2 | | 20.0 | 42.9 | | 9.0 | | 25.8 | 12.2 | K | 9.5 | | 16.0 | 14.1 | B |
| 9.6 | | 26.1 | 35.6 | | 9.5 | | 47.3 | 8.1 | | 9.5 | | 41.5 | 48.3 | | 9.5 | | 33.6 | 38.1 | | 9.5 | | 17.0 | 17.9 | |
| 7.8 | | 43.8 | 13.3 | K | 8.0 | | 59.2 | 18.4 | K | 7.8 | | 53.9 | 34.2 | K | 9.5 | | 55.3 | 49.8 | | 9.5 | | 19.7 | 14.5 | α |
| 9.4 | | 45.0 | 27.6 | | 9.1 | 46 | 0.8 | 3.8 | K | 9.5 | 55 | 43.2 | 48.8 | | 9.5 | 5 | 14.3 | 17.2 | | 9.4 | | 22.5 | 10.5 | |
| 9.5 | 35 | 8.6 | 52.8 | | 9.4 | | 6.5 | 7.6 | | 8.7 | | 50.8 | 1.1 | K | 8.2 | | 28.8 | 38.9 | B | 9.0 | | 42.3 | 32.5 | |
| 7.8 | | 14.8 | 39.7 | K | 9.2 | | 11.6 | 53.0 | | 9.2 | | 53.3 | 43.1 | | 9.1 | | 37.5 | 24.8 | α | 8.4 | | 54.3 | 30.7 | L |
| 9.0 | | 22.8 | 9.6 | K | 9.5 | | 12.5 | 18.5 | | 9.5 | | 56.5 | 58.0 | | 9.0 | | 44.8 | 24.1 | | 7.8 | | 58.3 | 47.7 | K |
| 9.5 | | 50.4 | 52.1 | | 9.2 | | 14.0 | 4.6 | K | 9.5 | 56 | 36.8 | 29.2 | | 9.5 | | 49.4 | 2.5 | | 8.2 | 14 | 4.7 | 14.9 | L |
| 9.4 | | 57.8 | 4.9 | | 9.4 | | 23.1 | 57.0 | | 9.4 | | 44.7 | 48.8 | B | 8.8 | | 50.6 | 55.6 | R | 7.8 | | 25.9 | 11.2 | L |
| 9.5 | 36 | 17.7 | 36.0 | | 9.4 | | 27.1 | 59.8 | | 9.5 | | 50.4 | 52.3 | | 9.5 | 6 | 16.0 | 32.0 | | 9.4 | | 36.4 | 21.8 | |
| 9.5 | | 18.3 | 5.6 | | 7.7 | | 33.0 | 40.9 | K | 9.5 | 57 | 0.5 | 49.4 | | 9.5 | | 38.9 | 8.1 | | 9.5 | 15 | 0.3 | 4.8 | |
| 9.5 | | 21.3 | 21.4 | | 9.2 | | 44.7 | 56.7 | K | 8.3 | | 7.3 | 56.4 | L | 9.2 | | 42.3 | 15.7 | α | 9.4 | | 5.0 | 14.7 | |
| 9.1 | | 26.8 | 11.3 | Kb | 9.5 | | 54.0 | 51.8 | | 9.5 | | 13.0 | 52.5 | | 8.0 | | 45.3 | 54.5 | K | 9.5 | | 27.3 | 34.0 | |
| 8.9 | | 33.8 | 47.4 | K | 9.5 | 47 | 10.8 | 0.2 | | 9.3 | | 13.5 | 54.6 | | 9.3 | | 47.0 | 41.2 | | 9.5 | | 37.9 | 47.3 | |
| 9.1 | | 49.4 | 53.3 | α | 8.8 | | 11.2 | 8.8 | K | 9.3 | | 15.3 | 42.2 | B | 9.5 | 7 | 17.2 | 40.0 | | 9.5 | 16 | 47.0 | 55.7 | |
| 9.5 | 37 | 2.8 | 4.4 | | 9.5 | | 26.8 | 48 6 | | 8.5 | | 24.4 | 3.8 | Kb | 9.4 | | 20.3 | 26.5 | | 9.5 | | 47.3 | 42.4 | |
| 9.5 | | 3.1 | 47.4 | | 9.5 | | 48.0 | 53.0 | | 9.5 | | 26.3 | 20.2 | | 9.3 | | 24.3 | 15.9 | R | 9.3 | | 55.3 | 34.7 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | — | | | | + | — | |
| 10pr. | | 37.62 | 0.42 | | 10pr. | | 37.65 | 0.26 | | 10pr. | | 37.67 | 0.12 | | 10pr. | | 37.68 | 0.03 | | 10pr. | | 37.67 | 0.17 | |

| 1101—1160 | | | | 1161—1220 | | | | 1221—1280 | | | | 1281—1340 | | | | 1341—1400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵐ | | +27° | | 6ᵐ | | +27° | | 6ᵐ | | +27° | | 6ᵐ—7ᵐ | | +27° | | 7ᵐ | | +27° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | m | ° | ′ ″ | ′ | m | ° | ′ ″ | ′ | m | ° | ′ ″ | ′ | |
| 9.3 | 16 | 57.9 | 37.7 | | 9.5 | 26 | 42.3 | 6.9 | 9.3 | 36 | 47.8 | 48.0 | 8.3 | 48 | 59.0 | 11.7 | 9.1 | 4 | 55.8 | 54.4 | |
| 8.9 | 17 | 5.3 | 5.6 | K | 9.2 | | 47.2 | 47.4 | *a* | 8.7 | 37 | 13.9 | 57.6 | K | 8.3 | 49 | 6.9 | 49.4 | 8.9 | 5 | 47.2 | 10.2 | |
| 9.5 | | 18.5 | 16.0 | | 9.4 | | 58.8 | 52.7 | | 9.1 | | 28.8 | 38.9 | K | 9.4 | | 19.5 | 40.8 | 9.1 | | 59.2 | 0.8 | |
| 9.5 | | 26.4 | 44.3 | | 6.8 | 27 | 21.3 | 23.6 | K | 9.5 | | 57.0 | 50.5 | | 9.5 | | 36.0 | 46.0 | 9.4 | 6 | 30.4 | 47.2 | |
| 9.4 | | 28.8 | 15.8 | | 9.5 | | 30.5 | 42.5 | | 9.4 | 38 | 3.0 | 5.8 | | 9.5 | | 54.0 | 51.8 | 9.2 | | 42.5 | 5.7 | |
| 9.1 | | 40.3 | 46.3 | *ab* | 9.5 | | 46.8 | 12.5 | | 8.2 | | 13.1 | 16.5 | *B* | 9.1 | | 55.4 | 29.1 | Bb | 8.6 | | 44.9 | 43.6 | K |
| 9.5 | | 45.3 | 7.8 | | 9.2 | | 47.7 | 3.3 | K | 9.2 | | 28.2 | 53.7 | | 9.4 | 50 | 20.4 | 14.7 | 9.5 | 7 | 6.5 | 2.6 | |
| 9.5 | 18 | 0.0 | 52.1 | | 9.4 | | 49.6 | 57.7 | | 9.4 | | 30.5 | 57.5 | | 9.5 | | 42.0 | 54.5 | 9.5 | | 18.0 | 23.4 | |
| 9.0 | | 0.3 | 22.6 | | 8.6 | | 53.3 | 50.5 | K | 9.5 | | 39.1 | 32.6 | *a* | 9.4 | | 58.7 | 41.8 | 9.5 | | 29.9 | 8.6 | |
| 9.4 | | 13.8 | 5.3 | B | 9.4 | | 53.8 | 39.1 | | 9.2 | | 47.3 | 4.4 | Kb | 9.1 | 51 | 1.0 | 39.1 | 9.2 | | 58.6 | 8.0 | B |
| 9.4 | | 15.3 | 34.9 | | 9.5 | 28 | 6.0 | 8.5 | | 9.5 | 39 | 0.6 | 53.1 | | 8.8 | | 8.0 | 56.7 | 9.5 | | 59.7 | 32.6 | *a* |
| 9.4 | | 26.5 | 10.3 | | 9.1 | | 14.0 | 23.3 | K | 9.5 | | 3.4 | 44.8 | | 7.8 | | 13.5 | 5.0 | K | 9.5 | 8 | 0.8 | 1.5 | |
| 9.5 | | 31.3 | 35.1 | | 9.5 | | 18.9 | 4.6 | B | 9.5 | | 29.3 | 52.7 | | 9.0 | | 39.2 | 30.2 | R | 9.3 | | 28.9 | 24.4 | |
| 9.5 | | 37.3 | 49.9 | | 9.5 | | 22.3 | 28.2 | | 9.5 | | 34.0 | 5.8 | | 9.0 | | 41.5 | 27.1 | K | 7.5 | | 58.2 | 23.0 | K |
| 9.5 | | 39.3 | 41.3 | | 9.5 | | 24.0 | 5.4 | | 9.5 | | 57.5 | 7.4 | | 9.0 | | 45.0 | 33.9 | K | 9.0 | 9 | 11.9 | 48.1 | |
| 9.4 | 19 | 20.2 | 50.6 | | 9.5 | | 36.3 | 2.1 | | 7.2 | 40 | 7.3 | 20.6 | K | 7.3 | | 55.0 | 20.9 | K | 8.1 | | 25.9 | 31.9 | K |
| 7.7 | | 25.3 | 43.0 | K | 9.5 | | 51.3 | 5.7 | | 9.5 | | 20.0 | 0.8 | | 9.4 | 52 | 4.9 | 34.4 | | 9.3 | | 46.2 | 31.9 | B |
| 9.5 | | 25.3 | 2.4 | | 9.5 | 29 | 5.4 | 20.1 | | 9.3 | | 38.3 | 37.3 | | 9.4 | | 8.9 | 46.9 | | 9.2 | | 56.6 | 28.9 | |
| 9.3 | | 2[illegible].9 | 0.6 | B | 9.5 | | 14.9 | 57.7 | | 9.5 | | 44.3 | 3.0 | | 9.3 | | 12.0 | 58.6 | B | 9.5 | 10 | 7.0 | 38.8 | |
| 9.4 | | 37.5 | 5.6 | | 9.5 | | 26.3 | 22.9 | | 8.2 | 41 | 0.0 | 9.9 | K | 9.0 | | 13.1 | 33.6 | B | 8.5 | | 14.4 | 16.1 | L |
| 9.2 | | 42.0 | 15.9 | | 8.0 | | 32.3 | 1.4 | K | 9.5 | | 14.9 | 29.0 | | 8.2 | | 21.0 | 34.7 | K | 9.3 | | 16.4 | 4.5 | |
| 7.0 | | 52.3 | 3.3 | K | 7.4 | | 47.4 | 55.2 | K | 9.5 | | 18.1 | 25.5 | | 9.5 | | 31.9 | 12.0 | | 7.2 | | 30.9 | 5.2 | K |
| 9.3 | | 52.8 | 31.0 | | 9.5 | 30 | 35.8 | 1.6 | | 9.5 | | 36.2 | 50.2 | B | 9.5 | 53 | 23.0 | 20.0 | | 9.1 | | 36.7 | 12.9 | B |
| 8.7 | 20 | 4.3 | 7.0 | K | 9.5 | | 46.4 | 2.0 | | 9.5 | | 37.2 | 48.0 | *a* | 9.1 | | 41.0 | 32.5 | *b* | 9.1 | | 56.0 | 18.8 | *a* |
| 9.0 | | 4.8 | 45.0 | | 9.5 | 31 | 18.3 | 4.4 | | 9.4 | | 50.7 | 31.3 | | 9.5 | 54 | 3.1 | 51.2 | | 9.4 | 11 | 27.8 | 26.9 | |
| 9.5 | | 25.3 | 47.5 | | 9.5 | | 36.9 | 59.0 | | 9.5 | | 58.0 | 30.2 | | 9.3 | | 8.4 | 10.9 | | 9.1 | | 47.4 | 28.2 | B |
| 9.4 | | 33.0 | 34.0 | | 9.5 | | 44.0 | 33.6 | | 9.5 | 42 | 12.3 | 40.3 | *a* | 8.0 | | 35.4 | 13.4 | K | 9.0 | | 55.9 | 36.5 | K |
| 9.0 | | 37.1 | 37.9 | | 9.5 | | 57.3 | 46.5 | | 9.0 | | 18.9 | 56.8 | B | 8.2 | | 46.7 | 2.6 | K | 9.1 | 12 | 7.2 | 36.7 | K |
| 8.6 | | 37.5 | 42.8 | L | 9.4 | 32 | 19.8 | 20.1 | | 9.5 | | 34.3 | 33.4 | | 9.3 | 55 | 7.9 | 53.8 | | 8.2 | | 29.7 | 21.3 | K |
| 8.9 | 21 | 6.2 | 2.4 | K | 9.5 | | 22.3 | 19.9 | | 9.0 | 43 | 0.4 | 40.9 | | 9.1 | 56 | 17.4 | 21.3 | *b* | 9.5 | 14 | 10.0 | 15.4 | |
| 9.5 | | 13.3 | 49.7 | | 9.4 | | 25.0 | 21.9 | | 9.5 | | 19.2 | 2.4 | | 9.5 | | 39.6 | 41.4 | | 9.0 | | 25.2 | 6.1 | K |
| 9.5 | | 19.3 | 35.7 | | 9.5 | | 25.8 | 25.1 | | 9.1 | | 54.5 | 39.4 | | 9.5 | 57 | 14.0 | 14.7 | | 9.4 | 15 | 19.4 | 17.7 | |
| 9.1 | | 21.0 | 31.3 | K | 8.4 | | 34.3 | 31.0 | L | 9.2 | 44 | 6.8 | 5.9 | | 9.5 | | 30.9 | 32.3 | | 9.5 | | 19.8 | 3.9 | |
| 9.5 | | 21.8 | 25.4 | | 7.5 | | 40.0 | 12.7 | K | 9.5 | | 25.5 | 2.8 | | 9.5 | | 36.5 | 4.5 | | 6.9 | | 31.7 | 55.0 | Lb |
| 9.3 | | 34.7 | 57.3 | | 8.5 | | 40.8 | 33.5 | | 9.4 | | 44.9 | 45.4 | | 9.4 | | 52.2 | 1.8 | | 9.5 | | 39.6 | 39.9 | |
| 9.3 | | 54.3 | 32.5 | K | 9.3 | | 56.9 | 55.7 | | 8.9 | 45 | 1.4 | 28.5 | K | 9.5 | | 57.7 | 34.3 | | 8.7 | | 42.1 | 37.7 | |
| 9.5 | 22 | 7.0 | 28.1 | | 9.0 | | 58.1 | 17.2 | | 9.5 | | 23.2 | 50.9 | | 9.5 | 58 | 4.9 | 14.8 | | 9.2 | 16 | 5.7 | 53.3 | |
| 9.4 | | 7.8 | 32.1 | *a* | 9.4 | 33 | 20.9 | 15.5 | | 8.5 | | 23.4 | 38.1 | Kb | 9.4 | | 5.1 | 40.0 | | 9.5 | | 29.0 | 35.9 | |
| 9.4 | | 28.3 | 12.2 | | 8.9 | | 29.3 | 33.8 | | 9.5 | | 36.9 | 14.1 | | 9.1 | | 51.6 | 54.6 | Bb | 9.5 | | 58.4 | 19.4 | |
| 9.5 | | 32.3 | 6.3 | | 9.4 | | 42.0 | 43.4 | | 9.5 | | 43.6 | 43.2 | B | 9.5 | 59 | 41.9 | 55.3 | | 9.1 | 17 | 23.8 | 57.0 | |
| 7.5 | 23 | 54.8 | 55.5 | B | 9.5 | | 48.4 | 39.0 | | 9.5 | | 45.4 | 14.4 | | 9.5 | | 47.2 | 32.0 | | 9.5 | | 24.7 | 54.8 | |
| 9.2 | 24 | 2.4 | 48.9 | | 9.3 | | 55.3 | 13.9 | | 9.5 | | 54.0 | 20.3 | | *9.4 | 0 | 2.0 | 48.1 | B | 9.5 | | 28.5 | 30.5 | |
| 9.1 | | 9.5 | 47.5 | B | 9.4 | | 56.8 | 7.0 | | 9.1 | 46 | 8.9 | 45.7 | | 8.8 | 1 | 6.4 | 17.7 | K | 9.0 | | 37.5 | 25.6 | K |
| 8.8 | | 13.2 | 22.6 | | 8.6 | 34 | 11.5 | 4.5 | K | 8.7 | | 9.7 | 31.9 | K | 9.5 | | 6.7 | 47.3 | | 9.1 | | 40.7 | 50.3 | |
| 9.4 | | 31.6 | 57.2 | | 9.4 | | 17.6 | 6.3 | | 9.5 | | 34.5 | 42.2 | | 9.5 | | 53.0 | 27.5 | | 8.8 | | 53.7 | 47.0 | K |
| 9.5 | | 33.0 | 43.8 | | 9.4 | | 19.2 | 22.4 | B | 9.2 | | 39.0 | 37.8 | | 9.3 | 2 | 14.2 | 1.3 | | 9.4 | | 58.9 | 34.0 | |
| 9.5 | | 49.3 | 30.4 | B | 9.3 | | 21.3 | 12.4 | | 9.2 | | 39.2 | 52.5 | | 5.7 | | 22.9 | 6.6 | Kb | 8.2 | 18 | 16.5 | 34.9 | K |
| 8.0 | | 54.3 | 9.0 | K | 9.4 | | 24.0 | 28.1 | | 9.3 | | 42.7 | 5 7 | B | 9.3 | | 25.4 | 12.0 | | 9.3 | | 46.7 | 49.7 | |
| 9.3 | | 58.8 | 39.5 | B | 9.2 | | 43.7 | 15.5 | K | 8.2 | | 44.5 | 25.7 | K | 9.3 | | 44.5 | 12.0 | | 8.1 | | 49.5 | 34.9 | K |
| 9.0 | 25 | 1.0 | 59.3 | | 9.2 | | 45.3 | 34.0 | *a* | 7.5 | | 52.2 | 27.8 | K | 9.4 | 3 | 1.1 | 55.3 | | 9.4 | | 56.4 | 22.5 | |
| 9.3 | | 11.3 | 43.1 | K | 9.2 | | 46.3 | 7.1 | K | 9.1 | | 57.4 | 29.1 | | 9.5 | | 2.7 | 21.0 | | 9.5 | 19 | 2.7 | 51.5 | |
| 9.5 | | 36.5 | 47.1 | | 8.2 | 35 | 7.3 | 37.2 | K | 9.4 | 47 | 12.0 | 3.5 | *a* | 9.2 | | 10.9 | 40.8 | K | 9.4 | | 21.6 | 43.1 | |
| 8.9 | | 42.3 | 9.3 | | 9.2 | | 9.8 | 27.8 | | 9.1 | | 17.5 | 1.8 | K | 9.2 | | 17.8 | 6.6 | *a* | 9.4 | | 25.1 | 40.6 | |
| 9.5 | | 43.8 | 30.3 | | 9.4 | | 34.8 | 0.6 | | 9.3 | | 23.0 | 29.7 | | 9.0 | | 25.9 | 52.0 | K | 8.9 | | 36.8 | 6.8 | K |
| 9.3 | | 55.3 | 50.4 | | 9.5 | | 38.5 | 1.5 | | 9.2 | | 34.5 | 32.9 | K | 9.5 | | 29.3 | 5.6 | | 7.1 | | 39.7 | 50.5 | K |
| 9.3 | 26 | 16.0 | 44.7 | | 9.5 | | 49.3 | 12.7 | | 8.8 | 48 | 0.8 | 57.7 | K | 9.1 | | 32.5 | 19 6 | K | 9.5 | 20 | 27.7 | 52.5 | |
| 9.0 | | 16.8 | 39.3 | K | 9.5 | 36 | 9.4 | 42.5 | | 9.5 | | 1.5 | 24.4 | | 6.8 | | 46.5 | 30.1 | K | 8.3 | | 34.3 | 13.2 | *B* |
| 9.5 | | 22.3 | 27.2 | | 9.5 | | 22.3 | 12.7 | | 9.4 | | 26.3 | 41.1 | | 9.3 | | 51.5 | 0.8 | R | 9.2 | | 58.3 | 5.3 | |
| 8.9 | | 35.3 | 47.7 | | 7.2 | | 29.2 | 48.8 | K | 9.4 | | 45.5 | 38.4 | | 9.4 | 4 | 25.2 | 50.5 | | 9.4 | | 58.9 | 41.4 | |
| 9.5 | | 40.3 | 37.8 | | 9.5 | | 46.9 | 34.7 | | 9.0 | | 46.3 | 2.9 | | 9.5 | | 39.0 | 35.0 | | 9.4 | 21 | 30.5 | 26.6 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 37.65 | 0.31 | | 10pr. | | 37.61 | 0.47 | | 10pr. | | 37.55 | 0.62 | | 10pr. | | 37.47 | 0.82 | | 10pr. | | 37.32 | 1.07 | |

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9.4 | 59 59.8 | 48.0 | B

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ | | +27° | | | 7ᵘ | | +27° | | | 7ᵘ—8ᵘ | | +27° | | | 8ᵘ | | +27° | | | 8ᵘ | | +27° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 21 | 45.4 | 15.0 | | 9.3 | 35 | 21.5 | 32.0 | *a* | 9.3 | 51 | 10.2 | 22.8 | B | 9.4 | 9 | 36.4 | 5.8 | B | 9.1 | 29 | 15.8 | 4.1 | *a* |
| 9.5 | 22 | 12.5 | 35.0 | | 9.5 | | 30.5 | 34.5 | | 9.4 | 53 | 9.3 | 14.7 | *a* | 8.7 | | 57.7 | 49.0 | B | 9.5 | 30 | 7.3 | 15.7 | |
| 8.1 | | 24.7 | 55.4 | Kb | 9.4 | | 35.0 | 32.2 | B | 8.8 | | 17.3 | 17.2 | B | 9.5 | 10 | 4.1 | 3.1 | | 9.5 | | 14.4 | 23.1 | *a* |
| 9.4 | 23 | 3.4 | 22.1 | | 8.4 | | 37.8 | 49.3 | B | 8.2 | | 20.6 | 1.5 | K | 9.5 | | 16.3 | 34.0 | | 9.5 | | 26.2 | 36.1 | |
| 8.9 | | 8.5 | 24.8 | K | 9.5 | 36 | 7.7 | 40.4 | | 9.2 | | 32.9 | 51.2 | | 8.8 | | 23.5 | 31.0 | | 9.4 | | 35.0 | 5.8 | |
| 8.0 | | 14.5 | 25.5 | K | 9.5 | | 12.1 | 59.4 | | 9.3 | | 42.9 | 29.2 | | 8.2 | | 46.6 | 5.4 | K | 9.3 | 31 | 1.8 | 1.5 | |
| 9.4 | | 21.2 | 11.1 | B | 9.5 | | 13.6 | 39.1 | | 9.1 | | 59.1 | 43.3 | | 9.3 | | 54.0 | 18.8 | | 9.3 | | 38.6 | 10.5 | |
| 9.5 | | 23.3 | 54.2 | | 9.5 | | 34.5 | 34.7 | | 8.9 | 54 | 9.7 | 50.9 | B | 8.1 | 11 | 12.9 | 19.1 | L | 9.5 | | 48.9 | 1.2 | |
| 8.5 | | 47.4 | 57.2 | B | 9.2 | | 49.7 | 52.2 | | 8.6 | | 48.4 | 43.3 | | 5.7 | | 15.6 | 41.3 | K | 9.5 | 32 | 8.8 | 20.5 | *a* |
| 9.3 | | 51.2 | 1.4 | B | 8.0 | | 58.3 | 4.3 | K | 9.5 | 55 | 17.1 | 52.4 | | 9.4 | | 19.0 | 8.0 | | 9.5 | | 13.4 | 24.0 | B |
| 8.8 | 24 | 10.6 | 44.3 | K | 9.5 | 37 | 3.8 | 59.4 | | 9.5 | | 56.6 | 1.4 | | 9.2 | | 39.7 | 38.9 | | 8.3 | | 18.9 | 36.5 | K |
| 9.5 | | 34.7 | 47.0 | | 9.5 | | 20.7 | 50.5 | | 9.0 | 56 | 5.6 | 5.7 | | 8.9 | | 55.6 | 25.4 | K | 9.5 | | 41.3 | 51.5 | |
| 9.5 | | 37.3 | 5.5 | | 9.5 | | 33.5 | 28.0 | | 9.3 | | 19.1 | 27.0 | B | 9.5 | 12 | 13.2 | 24.9 | | 9.4 | | 42.7 | 55.3 | |
| 9.3 | 25 | 35.3 | 7.5 | | 9.5 | | 33.9 | 23.1 | | 9.5 | | 20.0 | 1.9 | | 8.5 | | 16.6 | 48.7 | K | 9.5 | 34 | 17.6 | 15.3 | |
| 9.3 | | 36.1 | 42.8 | *a* | 9.5 | | 40.6 | 39.6 | | 9.5 | | 38.9 | 35.5 | | 9.4 | | 30.7 | 6.0 | | 9.5 | | 25.3 | 54.7 | |
| 9.5 | | 48.3 | 3.6 | | 9.5 | | 53.5 | 35.2 | | 7.5 | | 46.2 | 56.1 | K | 8.3 | | 41.8 | 37.1 | L | 9.5 | | 42.0 | 35.4 | |
| 9.5 | | 56.5 | 27.0 | | 9.5 | | 59.3 | 3.0 | | 9.3 | 57 | 6.5 | 33.9 | B | 8.7 | 13 | 1.6 | 53.6 | K | 9.2 | 35 | 11.9 | 40.6 | |
| 9.5 | 26 | 13.4 | 14.9 | | 9.5 | 38 | 8.2 | 47.8 | | 9.5 | | 39.8 | 57.6 | | 8.8 | | 40.9 | 5.7 | K | 7.3 | | 12.6 | 44.8 | K |
| 9.5 | | 26.5 | 27.5 | | 9.4 | 39 | 5.3 | 6.8 | *a* | 9.1 | | 40.8 | 50.1 | Bb | 7.6 | | 58.9 | 59.1 | K | 9.5 | | 23.2 | 24.8 | |
| 9.5 | | 35.8 | 57.6 | | 9.5 | | 45.3 | 19.6 | | 9.5 | | 56.1 | 24.7 | *a* | 9.4 | 14 | 7.2 | 8.7 | | 9.1 | | 49.6 | 13.0 | *ab* |
| 9.1 | | 40.5 | 30.7 | | 9.4 | | 49.4 | 19.1 | | 7.7 | 58 | 53.2 | 26.3 | K | 8.4 | | 15.6 | 33.2 | Lb | 9.5 | 37 | 5.8 | 38.7 | |
| 9.3 | | 44.5 | 34.9 | | 9.3 | | 53.8 | 57.2 | *a* | 9.3 | 59 | 2.1 | 24.5 | K | 9.0 | | 16.6 | 15.4 | | 9.5 | | 10.5 | 56.1 | |
| 9.3 | | 51.7 | 49.7 | | 9.5 | 40 | 16.4 | 23.3 | | 9.5 | | 29.5 | 3.4 | | 9.5 | | 24.0 | 24.8 | B | 8.2 | | 35.1 | 12.7 | B |
| 4.2 | | 58.3 | 12.7 | Kb | 9.5 | | 21.4 | 18.6 | | 7.0 | | 58.6 | 54.7 | Kb | 8.7 | | 54.4 | 40.3 | K | 9.2 | | 57.6 | 3.5 | |
| 9.5 | 27 | 21.5 | 31.4 | | 8.6 | | 31.3 | 6.5 | K | 9.4 | 0 | 8.6 | 51.3 | | 8.8 | 15 | 4.8 | 8.9 | K | 9.5 | 38 | 1.0 | 37.1 | |
| 9.0 | | 33.3 | 10.2 | K | 9.4 | | 39.4 | 55.6 | B | 8.5 | | 14.4 | 27.5 | | 8.6 | | 37.6 | 25.5 | L | 9.5 | | 2.4 | 51.5 | |
| 9.5 | | 42.7 | 56.4 | | 9.5 | | 39.6 | 58.1 | | 9.4 | | 25.0 | 19.1 | *a* | 9.4 | | 59.7 | 34.9 | | 8.5 | | 23.3 | 15.9 | K |
| 9.0 | 28 | 7.7 | 52.7 | | 9.2 | | 55.7 | 48.2 | K | 9.5 | | 26.1 | 52.3 | | 9.4 | 16 | 40.0 | 57.3 | | 9.5 | 39 | 5.2 | 24.3 | |
| 9.5 | | 31.6 | 43.4 | | 9.4 | | 57.8 | 52.5 | | 9.4 | | 29.1 | 17.1 | B | 9.3 | | 57.1 | 33.2 | | 9.5 | | 46.7 | 9.9 | |
| 8.7 | 29 | 32.2 | 6.7 | K | 7.7 | 41 | 0.1 | 43.0 | K | 9.5 | | 29.4 | 11.6 | | 9.4 | 17 | 31.3 | 0.2 | | 9.5 | 40 | 5.0 | 30.3 | |
| 9.5 | | 32.3 | 13.5 | | 9.5 | 42 | 51.7 | 52.0 | | 9.5 | | 36.2 | 50.6 | | 9.5 | | 39.7 | 1.6 | | 9.4 | | 23.1 | 50.7 | *b* |
| 9.2 | | 44.0 | 13.3 | B | 9.5 | | 51.9 | 20.4 | | 9.4 | | 46.6 | 35.4 | | 5.7 | 18 | 0.2 | 24.6 | S | 8.5 | | 58.7 | 20.2 | K |
| 9.5 | | 50.5 | 13.7 | | 9.5 | 43 | 11.7 | 53.1 | | 9.5 | 1 | 4.1 | 55.0 | | 8.7 | | 44.5 | 19.4 | | 9.5 | 41 | 34.5 | 56.2 | |
| 9.5 | 30 | 0.5 | 14.5 | | 9.5 | | 33.5 | 30.7 | | 7.8 | | 24.6 | 30.6 | K | 9.3 | 20 | 26.1 | 12.0 | Bb | 7.5 | 42 | 8.0 | 22.0 | Kb |
| 9.5 | | 10.0 | 26.8 | | 9.5 | | 42.7 | 2.0 | | 9.5 | 2 | 31.4 | 5.8 | | 9.5 | | 28.4 | 7.5 | | 9.5 | | 45.5 | 42.7 | |
| 9.2 | | 23.5 | 54.6 | B | 9.5 | | 44.5 | 30.0 | | 9.5 | | 56.1 | 49.9 | | 9.5 | 21 | 6.6 | 29.1 | | 9.5 | 43 | 17.4 | 13.1 | |
| 9.4 | | 23.5 | 32.5 | | 8.9 | | 45.1 | 40.1 | | 9.2 | 3 | 0.1 | 9.5 | K | 9.5 | 22 | 1.7 | 37.6 | | 9.5 | | 19.2 | 10.3 | |
| 8.9 | | 27.0 | 27.4 | K | 9.5 | 44 | 32.7 | 0.6 | | 9.2 | 4 | 9.5 | 33.4 | | 9.5 | | 7.0 | 25.5 | | 9.5 | | 51.9 | 1.4 | |
| 9.5 | | 54.6 | 42.3 | | 5.0 | | 37.3 | 8.0 | Kb | 9.5 | | 25.5 | 0.5 | | 9.5 | | 29.9 | 33.4 | | 9.0 | | 54.3 | 33.6 | K |
| 8.5 | | 57.2 | 2.8 | L | 9.3 | | 57.0 | 59.2 | | 9.3 | | 51.1 | 20.5 | B | 9.4 | | 34.6 | 49.9 | | 9.5 | 44 | 6.6 | 48.5 | |
| 9.4 | 31 | 5.5 | 57.4 | | 8.8 | 46 | 15.1 | 28.2 | Kb | 9.5 | 5 | 0.0 | 23.3 | *a* | 9.4 | | 59.1 | 55.6 | | 9.5 | 45 | 3.5 | 52.8 | |
| 9.5 | | 8.4 | 22.9 | B | 9.4 | | 27.6 | 37.8 | | 9.4 | | 2.8 | 2.7 | | 9.5 | 23 | 0.8 | 37.6 | | 8.5 | | 10.2 | 27.9 | K |
| 8.5 | | 11.6 | 38.5 | K | 9.4 | | 45.6 | 23.0 | *a* | 8.3 | | 12.7 | 33.0 | K | 9.0 | | 57.7 | 59.3 | | 9.0 | | 26.0 | 16.8 | |
| 9.5 | | 38.2 | 25.0 | *a* | 9.5 | | 50.1 | 38.1 | | 9.3 | | 38.1 | 43.3 | | 9.2 | 24 | 20.8 | 47.1 | B | 9.3 | | 33.8 | 2.1 | |
| 9.5 | | 44.4 | 21.9 | | 9.5 | | 58.6 | 12.0 | | 9.5 | | 42.6 | 49.2 | | 9.5 | | 34.4 | 36.6 | | 7.5 | | 43.0 | 28.2 | K |
| 8.9 | 32 | 0.5 | 58.7 | K | 9.3 | 47 | 2.1 | 36.1 | | 7.6 | | 51.3 | 8.7 | K | 9.5 | | 48.3 | 57.2 | | 9.5 | 46 | 36.9 | 55.2 | |
| 9.1 | | 1.2 | 2.4 | K | 9.5 | | 14.2 | 2.3 | | 8.0 | | 51.4 | 35.8 | K | 8.5 | | 52.6 | 49.9 | K | 9.4 | | 48.0 | 37.7 | *a* |
| 9.5 | | 12.0 | 10.0 | | 9.5 | | 25.1 | 23.7 | | 8.4 | 6 | 2.7 | 32.6 | K | 9.4 | 25 | 24.0 | 1.4 | B | 9.4 | | 55.1 | 17.7 | |
| 9.0 | | 14.7 | 53.0 | K | 9.4 | | 41.3 | 29.5 | | 9.5 | | 25.2 | 1.4 | | 8.5 | | 25.5 | 54.9 | K | 9.4 | | 55.9 | 36.5 | B |
| 9.5 | | 30.0 | 12.1 | | 9.5 | 48 | 2.7 | 46.5 | B | 9.1 | | 28.6 | 56.1 | | 9.3 | | 58.2 | 59.1 | *a* | 9.5 | 47 | 20.9 | 47.8 | |
| 9.4 | 33 | 13.3 | 33.3 | B | 9.4 | | 6.4 | 1.0 | | 8.8 | | 39.2 | 34.4 | K | 9.0 | 26 | 21.6 | 2.8 | L | 9.5 | 48 | 11.2 | 37.1 | |
| 9.5 | | 26.2 | 59.8 | | 9.2 | | 20.3 | 55.5 | | 9.4 | 7 | 14.1 | 27.5 | *a* | 9.5 | | 24.0 | 12.1 | | 9.5 | | 36.0 | 6.3 | *a* |
| 9.3 | | 26.6 | 43.5 | B | 7.7 | | 47.9 | 53.2 | K | 9.5 | 8 | 21.8 | 11.6 | | 9.1 | | 24.6 | 26.5 | *b* | 9.5 | | 36.5 | 37.5 | |
| 8.7 | | 32.0 | 19.8 | B | 9.4 | 49 | 19.2 | 57.0 | | 9.1 | | 25.2 | 1.6 | | 9.2 | | 31.6 | 24.0 | | 9.2 | | 51.2 | 51.1 | *b* |
| 9.5 | | 34.0 | 45.5 | | 9.5 | | 43.3 | 44.7 | | 7.5 | | 33.6 | 29.1 | Kb | 9.5 | 27 | 20.5 | 56.3 | | 8.8 | 49 | 26.9 | 2.4 | K |
| 9.5 | | 47.5 | 21.8 | | 9.4 | 50 | 14.5 | 32.3 | *a* | 7.7 | | 42.9 | 50.7 | K | 9.1 | | 59.2 | 38.6 | Bb | 8.9 | | 31.3 | 6.5 | Kb |
| 9.5 | 34 | 8.2 | 30.4 | B | 9.4 | | 17.1 | 49.5 | | 9.1 | | 56.7 | 36.7 | B | 9.5 | 28 | 0.3 | 39.6 | | 9.5 | | 45.2 | 14.5 | |
| 9.5 | | 14.2 | 30.6 | | 9.2 | | 24.0 | 29.3 | Bb | 8.8 | 9 | 4.1 | 13.7 | | 9.5 | | 38.1 | 43.1 | | 8.2 | | 46.4 | 2.5 | K |
| 9.4 | | 39.8 | 57.4 | | 9.5 | | 35.5 | 59.2 | | 9.5 | | 23.0 | 58.8 | | 9.5 | | 44.9 | 22.8 | | 9.0 | 50 | 10.9 | 47.5 | |
| 8.9 | 35 | 13.5 | 29.0 | B | 9.5 | | 47.6 | 7.7 | | 9.3 | | 27.6 | 50.8 | | 8.6 | | 55.1 | 7.5 | | 9.1 | | 31.6 | 13.4 | *a* |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10 pr. | | 37.16 | 1.27 | | 10 pr. | | 37.01 | 1.43 | | 10 pr. | | 36.74 | 1.68 | | 10 pr. | | 36.46 | 1.89 | | 10 pr. | | 36.05 | 2.15 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ʰ—9ʰ | | +27° | | | 9ʰ | | +27° | | | 9ʰ—10ʰ | | +27° | | | 10ʰ | | +27° | | | 10ʰ—11ʰ | | +27° | |
| m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ″ | ′ | | | m | | ′ | ″ | ′ | | | m | | ′ | ″ | ′ | |
| 9.4 | 51 | 28.1 | 5.8 | | | 9.3 | 21 | 36.4 | 29.6 | *a* | | 8.8 | 45 | 40.9 | 58.4 | K | | 9.5 | 14 | 13.5 | 57.7 | | | 9.3 | 42 | 29.1 | 39.1 | |
| 9.5 | | 39.2 | 23.0 | B | | 9.4 | | 51.5 | 46.5 | | | 9.5 | 46 | 20.3 | 7.6 | | | 9.3 | 15 | 7.3 | 57.6 | | | 8.6 | | 29.4 | 16.7 | K |
| 8.6 | 52 | 21.6 | 53.6 | K | | 9.5 | 22 | 8.6 | 33.4 | | | 9.4 | | 58.3 | 55.6 | | | 9.0 | | 12.3 | 39.4 | | | 9.5 | | 57.8 | 44.3 | |
| 9.5 | | 52.5 | 45.4 | | | 9.2 | | 31.9 | 9.7 | | | 8.0 | 47 | 34.2 | 31.9 | Kb | | 8.6 | | 18.3 | 12.3 | K | | 9.1 | 43 | 8.0 | 37.4 | *b* |
| 9.5 | | 59.7 | 35.1 | | | 9.3 | | 32.6 | 22.8 | *a* | | 9.5 | | 56.0 | 55.2 | | | 9.1 | | 29.8 | 0.8 | K | | 9.2 | | 22.7 | 42.8 | |
| 9.4 | 53 | 19.2 | 14.8 | | | 9.4 | 23 | 0.8 | 14.0 | | | 9.5 | | 59.3 | 49.1 | | | 9.1 | | 50.2 | 48.4 | *b* | | 9.5 | 44 | 3.1 | 11.6 | *a* |
| 9.1 | | 54.6 | 29.6 | | | 9.5 | | 6.0 | 6.2 | | | 9.5 | 48 | 45.6 | 39.4 | | | 9.3 | | 54.2 | 29.1 | | | 9.4 | | 21.2 | 1.8 | |
| 8.5 | 54 | 39.5 | 47.1 | K | | 8.4 | | 16.4 | 22.4 | | | 9.3 | 49 | 18.7 | 12.3 | | | 9.0 | 16 | 0.5 | 5.0 | K | | 9.5 | | 23.4 | 13.6 | *a* |
| 9.2 | 56 | 48.2 | 19.5 | | | 9.5 | | 36.1 | 47.1 | | | 9.1 | | 19.4 | 40.0 | *b* | | 9.5 | 17 | 19.8 | 37.1 | | | 9.5 | 45 | 9.1 | 7.5 | |
| 9.4 | | 52.3 | 1.4 | | | 8.0 | | 37.6 | 27.9 | K | | 9.2 | | 26.2 | 48.4 | | | 8.5 | 18 | 34.3 | 16.4 | K | | 9.4 | | 18.3 | 14.0 | B |
| 9.0 | 57 | 5.0 | 46.8 | | | 9.3 | | 40.5 | 4.5 | | | 9.5 | | 27.7 | 40.7 | | | 9.5 | | 44.2 | 5.5 | B | | 9.0 | 46 | 53.4 | 27.0 | |
| 9.0 | | 10.7 | 54.7 | | | 9.2 | | 53.4 | 1.2 | | | 9.2 | | 47.3 | 7.4 | *a* | | 9.5 | | 51.7 | 43.6 | | | 9.5 | 48 | 27.6 | 47.0 | |
| 9.1 | | 35.2 | 14.8 | *ab* | | 9.1 | 24 | 6.2 | 14.4 | *b* | | 9.5 | 50 | 6.2 | 30.2 | | | 8.1 | | 52.5 | 23.7 | K | | 9.5 | | 28.3 | 52.9 | |
| 8.9 | 59 | 3.3 | 10.6 | | | 9.1 | | 8.9 | 43.9 | *a* | | 9.5 | | 50.5 | 6.9 | B | | 9.3 | 19 | 49.7 | 50.5 | | | 9.5 | | 46.7 | 7.2 | |
| 6.0 | 0 | 15.1 | 13.3 | Kb | | 7.0 | | 19.8 | 39.3 | K | | 9.5 | 52 | 5.3 | 35.0 | | | 8.2 | | 50.9 | 57.7 | K | | 9.3 | 49 | 5.9 | 55.7 | Bb |
| 9.3 | | 19.6 | 14.7 | B | | 8.3 | | 32.5 | 50.2 | B | | 9.5 | | 5.4 | 11.7 | | | 8.9 | 20 | 17.8 | 1.6 | K | | 9.5 | | 6.0 | 51.9 | |
| 9.5 | | 22.2 | 30.2 | | | 9.5 | 25 | 5.0 | 43.0 | | | 9.5 | 54 | 5.1 | 2.5 | B | | 7.5 | | 38.8 | 39.5 | L | | 9.5 | | 11.5 | 17.0 | |
| 9.5 | 1 | 41.4 | 56.5 | | | 9.5 | | 5.9 | 57.3 | B | | 9.5 | | 34.9 | 31.9 | | | 9.5 | 22 | 8.6 | 6.3 | B | | 9.5 | | 15.8 | 3.9 | |
| 9.4 | | 48.5 | 13.5 | | | 8.0 | | 34.7 | 59.9 | Kb | | 9.4 | | 37.4 | 21.9 | Bb | | 9.5 | 23 | 35.0 | 43.6 | | | 9.3 | | 18.8 | 33.2 | |
| 9.3 | 2 | 25.5 | 48.1 | | | 8.3 | | 35.0 | 26.8 | | | 9.5 | 55 | 14.1 | 3.6 | | | 9.4 | | 56.3 | 35.7 | | | 8.5 | 50 | 25.7 | 9.8 | L |
| 9.5 | | 34.0 | 0.4 | | | 8.8 | 27 | 6.8 | 44.0 | Kb | | 9.4 | | 26.9 | 48.7 | | | 8.2 | 24 | 41.8 | 2.5 | L | | 9.5 | | 37.4 | 29.0 | B |
| 9.0 | 3 | 50.1 | 27.9 | | | 9.5 | | 52.4 | 0.2 | | | 9.4 | 56 | 18.9 | 43.5 | B | | 9.5 | 25 | 10.1 | 6.5 | | | 9.5 | | 52.2 | 23.0 | B |
| 9.3 | | 51.2 | 14.6 | | | 9.5 | | 58.6 | 20.0 | | | 9.5 | | 54.8 | 57.0 | | | 9.5 | | 57.4 | 7.4 | | | 9.4 | 51 | 55.9 | 6.1 | *a* |
| 9.5 | 4 | 18.0 | 35.4 | | | 9.4 | 28 | 1.6 | 45.0 | | | 8.6 | 57 | 15.1 | 11.0 | K | | 9.3 | 26 | 17.9 | 37.3 | Bb | | 9.3 | 52 | 3.2 | 8.2 | *a* |
| 9.5 | | 30.4 | 34.4 | | | 9.5 | | 14.1 | 16.7 | | | 9.4 | 58 | 11.3 | 43.9 | | | 9.5 | 27 | 11.0 | 58.9 | B | | 8.9 | | 48.7 | 6.1 | |
| 9.5 | | 59.3 | 8.6 | | | 9.1 | | 15.5 | 47.0 | *b* | | 9.1 | | 23.8 | 49.5 | *b* | | 9.5 | | 20.6 | 59.3 | B | | 8.9 | | 53.1 | 30.5 | |
| 8.8 | 5 | 4.7 | 1.9 | | | 9.3 | | 16.2 | 14.5 | B | | 8.3 | 59 | 7.7 | 36.1 | K | | 9.0 | | 21.8 | 2.0 | S | | 8.7 | | 53.5 | 53.7 | K |
| 9.5 | | 31.6 | 2.8 | | | 9.5 | 29 | 8.5 | 4.2 | B | | 7.5 | | 14.3 | 29.4 | K | | 9.4 | | 42.2 | 3.9 | | | 8.0 | 53 | 5.1 | 54.1 | K |
| 9.1 | | 32.9 | 17.5 | *a* | | 9.5 | | 55.6 | 57.4 | | | 9.5 | | 38.6 | 56.3 | | | 9.5 | 28 | 7.3 | 17.8 | | | 9.5 | | 42.4 | 30.9 | |
| 9.5 | | 50.9 | 4.3 | | | 8.6 | 30 | 10.7 | 11.3 | | | 8.9 | | 37.9 | 22.5 | B | | 9.5 | | 39.2 | 29.5 | | | 8.6 | 55 | 21.0 | 16.0 | K |
| 9.2 | | 59.8 | 5.1 | *a* | | 9.1 | | 40.0 | 18.9 | *ab* | | 8.8 | | 42.8 | 11.3 | | | 9.3 | | 43.8 | 11.4 | | | 9.5 | 56 | 48.3 | 56.4 | B |
| 9.2 | 6 | 18.4 | 50.9 | *b* | | 9.4 | 31 | 24.8 | 6.9 | | | 8.0 | | 56.3 | 28.8 | K | | 9.5 | 29 | 14.9 | 21.9 | | | 9.4 | | 55.0 | 35.4 | *a* |
| 9.5 | | 59.2 | 52.0 | | | 9.5 | | 37.0 | 11.3 | | | 7.8 | 1 | 17.2 | 45.9 | K | | 9.5 | | 17.3 | 49.1 | | | 9.0 | | 59.8 | 34.6 | B |
| 8.1 | 7 | 39.2 | 3.5 | K | | 8.7 | 32 | 38.5 | 16.5 | | | 9.5 | | 42.3 | 18.8 | | | 8.4 | 30 | 6.0 | 21.3 | K | | 9.3 | 57 | 7.3 | 8.2 | |
| 9.5 | 8 | 22.1 | 38.5 | | | 8.7 | | 47.4 | 46.7 | | | 9.5 | 2 | 3.2 | 49.8 | | | 9.1 | | 49.7 | 57.9 | *b* | | 9.5 | | 28.5 | 49.0 | |
| 9.5 | | 28.6 | 22.3 | | | 9.4 | | 49.1 | 7.4 | | | 9.4 | | 26.9 | 1.6 | *a* | | 9.2 | | 54.7 | 26.4 | K | | 9.0 | | 36.3 | 30.4 | K |
| 8.5 | | 58.3 | 2.8 | K | | 9.5 | 33 | 35.6 | 9.8 | | | 9.5 | 3 | 14.3 | 29.5 | | | 8.1 | 31 | 39.3 | 23.6 | K | | 9.5 | | 37.3 | 34.2 | |
| 9.4 | 9 | 33.5 | 45.1 | *a* | | 9.5 | | 42.5 | 42.6 | | | 9.4 | | 15.7 | 7.6 | | | 9.2 | | 56.3 | 31.5 | K | | 8.6 | 58 | 33.5 | 50.7 | |
| 9.3 | | 51.5 | 53.7 | | | 9.2 | | 45.4 | 39.5 | | | 9.2 | 4 | 5.6 | 2.6 | B | | 9.3 | 32 | 8.7 | 1.2 | *a* | | 8.5 | | 42.8 | 40.1 | |
| 9.5 | 11 | 3.2 | 57.8 | | | 8.5 | 34 | 51.5 | 52.0 | K | | 8.5 | | 8.4 | 49.0 | K | | 9.5 | | 46.2 | 41.9 | B | | 9.4 | | 54.3 | 28.6 | *a* |
| 9.5 | | 7.4 | 11.1 | | | 9.4 | 35 | 20 5 | 32.3 | | | 9.4 | 5 | 35.1 | 2.1 | | | 9.4 | | 52.2 | 0.9 | B | | 9.4 | | 55.8 | 5.6 | |
| 8.5 | | 32.7 | 48.1 | K | | 9.5 | | 20.7 | 1.5 | | | 6.5 | | 38.7 | 51.7 | L | | 9.5 | 33 | 21.8 | 34.0 | | | 9.1 | 59 | 53.7 | 1.3 | *b* |
| 8.8 | | 48.5 | 32.8 | | | 9.3 | | 51.9 | 25.0 | | | 9.5 | 6 | 10.3 | 20.8 | | | 8.6 | | 32.5 | 9.4 | K | | 9.1 | 0 | 8.3 | 47.0 | Kb |
| 9.5 | 12 | 59.5 | 34.4 | | | 9.2 | 36 | 20.9 | 56.8 | K | | 9.5 | | 51.8 | 13.0 | | | 9.6 | | 36.1 | 3.8 | *a* | | 9.5 | | 54.1 | 27.4 | |
| 8.6 | 13 | 13.4 | 29.3 | K | | 9.3 | | 35.3 | 58.2 | *a* | | 9.4 | 8 | 12.2 | 21.0 | | | 8.8 | | 58.3 | 47.0 | | | 9.5 | 1 | 34.0 | 37.4 | |
| 9.5 | | 40.9 | 36.1 | | | 7.8 | 37 | 33.0 | 43.9 | K | | 8.9 | | 30.2 | 50.1 | K | | 9.3 | 34 | 52.7 | 20.0 | | | 9.4 | 2 | 39.8 | 36.6 | |
| 9.4 | | 54.5 | 7.9 | *a* | | 9.5 | 38 | 22.7 | 5.1 | | | 9.5 | | 36.0 | 54.2 | | | 5.3 | 35 | 4.4 | 5.4 | K | | 9.0 | | 41.6 | 17.0 | Kb |
| 9.5 | 14 | 47.6 | 18.2 | *a* | | 8.5 | | 22.7 | 34.7 | K | | 9.5 | | 53.5 | 56.1 | | | 9.5 | | 50.1 | 37.3 | | | 8.2 | 3 | 9.7 | 3.4 | L |
| 9.4 | 15 | 45.5 | 5.6 | | | 8.4 | | 32.1 | 49.6 | K | | 9.4 | 9 | 29.5 | 6.3 | | | 9.1 | | 56.5 | 27.1 | K | | 8.9 | | 33.8 | 48.3 | B |
| 8.3 | 16 | 16.6 | 17.9 | *B* | | 9.5 | | 41.3 | 5.2 | | | 9.5 | 10 | 25.0 | 8.3 | B | | 9.5 | 37 | 8.3 | 1.5 | | | 9.5 | | 40.3 | 55.6 | B |
| 9.5 | 17 | 1.3 | 8.4 | B | | 9.0 | 39 | 36.2 | 46.7 | Kb | | 8.9 | | 37.3 | 57.0 | | | 9.4 | | 32.6 | 38.7 | B | | 7.7 | | 56.7 | 37.0 | K |
| 9.5 | | 34.9 | 36.8 | | | 9.5 | | 44.5 | 36.0 | | | 9.4 | 11 | 39.2 | 30.2 | | | 9.5 | | 42.9 | 13.2 | | | 7.5 | 5 | 19.6 | 51.1 | K |
| 9.5 | 18 | 30.5 | 45.1 | | | 9.5 | 40 | 33.0 | 10.6 | B | | 9.5 | | 41.8 | 47.1 | | | 9.5 | 38 | 24.4 | 50.4 | | | 7.5 | | 31.1 | 57.6 | K |
| 9.5 | 19 | 5.9 | 56.1 | B | | 8.7 | 41 | 48.4 | 29.2 | Lb | | 9.2 | | 44.8 | 35.4 | | | 9.5 | | 45.5 | 19.4 | | | 9.5 | | 39.8 | 59.6 | B |
| 9.4 | | 8.6 | 27.9 | | | 9.3 | 42 | 51.9 | 52.9 | | | 9.0 | | 50.3 | 16.5 | K | | 9.4 | | 57.9 | 11.9 | B | | 9.4 | 6 | 16.9 | 24.2 | |
| 8.9 | | 51.0 | 31.3 | | | 9.5 | | 54.8 | 0.8 | | | 9.4 | 12 | 32.1 | 1.4 | | | 7.3 | 39 | 24.4 | 40.4 | B | | 9.5 | | 25.4 | 27.0 | |
| 9.2 | | 57.2 | 42.3 | | | 9.4 | 43 | 17.0 | 49.1 | | | 9.1 | | 48.3 | 24.0 | | | 9.5 | 40 | 0.0 | 59.7 | | | 9.4 | | 42.1 | 31.2 | |
| 9.2 | 20 | 35.2 | 15.8 | | | 8.8 | | 49.4 | 34.7 | K | | 8.3 | 13 | 1.5 | 37.7 | K | | 8.6 | 41 | 5.7 | 34.6 | K | | 8.2 | 7 | 20.1 | 2.9 | K |
| 9.4 | | 55.6 | 22.4 | *a* | | 8.0 | 44 | 5.9 | 39.2 | K | | 8.5 | | 1.8 | 26.0 | K | | 9.5 | | 40.0 | 59.0 | | | 8.8 | | 29.9 | 49.7 | |
| 3 | 21 | 27.0 | 47.5 | | | 9.5 | | 39.6 | 19.6 | | | 9.5 | | 30.2 | 46.0 | | | 9.5 | | 42.4 | 44.2 | | | 8.3 | | 29.9 | 14.2 | |
| | | + | − | | | | | + | − | | | | | + | − | | | | | + | − | | | | | + | − | |
| 10 pr. | | 35.51 | 2.42 | | | 10 pr. | | 34.94 | 2.65 | | | 10 pr. | | 34.21 | 2.89 | | | 10 pr. | | 33.42 | 3.08 | | | 10 pr. | | 32.63 | 3.21 | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11ª | | +27° | | | 11ª—12ª | | +27° | | | 12ª | | +27° | | | 12ª—13ª | | +27° | | | 13ª | | +27° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.2 | 8 | 6.5 | 33.9 | | 9.5 | 41 | 49.5 | 54.2 | | 9.0 | 16 | 24.9 | 24.3 | B | 9.5 | 44 | 48.4 | 34.2 | | 9.5 | 14 | 40.5 | 11.5 | |
| 8.7 | | 32.7 | 0.4 | Kb | 9.5 | 42 | 0.8 | 2.5 | | 8.6 | | 24.9 | 48.0 | | 9.1 | 45 | 13.8 | 16.3 | | 9.5 | 15 | 15.3 | 43.5 | |
| 9.4 | 9 | 36.8 | 21.5 | | 9.5 | 44 | 21.1 | 10.3 | *a* | 9.4 | | 33.0 | 29.1 | | 9.5 | | 14.8 | 47.0 | | 8.7 | | 21.4 | 54.2 | |
| 9.5 | 10 | 38.1 | 47.7 | | 9.3 | 45 | 40.7 | 12.1 | *a* | 9.5 | | 51.5 | 52.9 | | 9.4 | | 30.5 | 21.5 | | 8.7 | | 24.9 | 27.0 | |
| 9.5 | 11 | 50.2 | 4.7 | | 9.1 | | 43.1 | 31.9 | *b* | 9.5 | 17 | 46.9 | 8.7 | | 9.3 | | 38.8 | 3.4 | | 8.1 | | 26.9 | 17.4 | Kb |
| 9.5 | | 54.9 | 39.8 | | 9.4 | 46 | 9.2 | 13.3 | *a* | 9.5 | 18 | 10.4 | 49.7 | | 9.5 | | 43.8 | 12.2 | | 9.5 | | 43.3 | 8.9 | |
| 9.4 | 12 | 33.6 | 52.6 | B | 9.5 | | 9.4 | 34.7 | | 9.1 | | 16.6 | 54.9 | K | 7.5 | 46 | 1.4 | 35.3 | Kb | 9.0 | 16 | 21.5 | 9.6 | K |
| 9.3 | 14 | 0.7 | 5.8 | *b* | 9.3 | | 37.6 | 12.3 | Bb | 9.4 | | 17.2 | 53.7 | B | 9.3 | | 39.8 | 47.0 | | 9.3 | 17 | 18.4 | 27.5 | |
| 8.7 | | 42.3 | 39.4 | Kb | 9.4 | 48 | 25.9 | 44.1 | B | 8.7 | | 34.9 | 34.5 | | 7.5 | | 52.8 | 34.4 | K | 9.5 | 18 | 7.0 | 34.6 | |
| 9.5 | | 42.6 | 53.0 | | 6.8 | | 53.6 | 29.5 | K | 9.4 | | 48.6 | 32.5 | *a* | 9.5 | 47 | 15.4 | 52.6 | | 9.5 | | 58.6 | 16.4 | |
| 9.3 | 15 | 5.6 | 28.3 | B | 8.4 | 49 | 44.6 | 58.0 | K | 9.5 | | 56.6 | 32.9 | | 9.4 | 48 | 16.5 | 10.3 | | 9.3 | 19 | 19.5 | 57.8 | Kb |
| 9.4 | | 16.2 | 24.8 | | 9.5 | | 51.7 | 4.8 | | 9.3 | 19 | 8.7 | 31.5 | | 9.5 | | 30.8 | 51.1 | | 8.4 | 20 | 2.9 | 0.8 | K |
| 9.4 | | 26.9 | 50.4 | *a* | 7.5 | | 56.6 | 33.7 | L | 8.7 | | 33.9 | 37.9 | R | 9.5 | | 38.3 | 43.5 | | 9.2 | | 43.4 | 4.0 | *a* |
| 9.1 | | 51.8 | 48.4 | *ab* | 9.4 | 50 | 44.1 | 7.5 | | 5.2 | | 44.4 | 37.6 | L | 9.5 | | 40.5 | 59.0 | *a* | 9.5 | | 45.8 | 51.5 | |
| 9.3 | | 59.3 | 29.1 | | 9.0 | | 44.6 | 41.9 | K | 8.3 | | 58.2 | 51.4 | S | 9.3 | 49 | 1.3 | 15.3 | | 7.8 | 21 | 6.9 | 35.6 | Kb |
| 9.4 | 17 | 15.5 | 59.2 | *a* | 8.2 | | 59.6 | 39.1 | K | 9.3 | 20 | 5.4 | 56.3 | B | 9.5 | | 34.7 | 9.6 | | 9.5 | | 23.9 | 17.1 | |
| 9.5 | | 53.8 | 45.2 | | 9.1 | 51 | 2.0 | 44.7 | | 9.5 | | 27.0 | 15.2 | | 9.5 | 50 | 43.8 | 49.3 | | 8.4 | | 37.8 | 56.7 | K |
| 9.5 | | 55.6 | 21.5 | | 9.3 | | 34.6 | 18.8 | | 6.5 | 21 | 24.3 | 2.1 | K | 9.5 | 51 | 24.3 | 23.2 | *b* | 9.0 | 22 | 8.8 | 45.1 | B |
| 9.0 | 18 | 5.3 | 57.8 | | 9.4 | | 39.4 | 31.2 | | 9.5 | | 40.1 | 20.7 | | 9.2 | | 34.1 | 58.7 | B | 9.3 | | 18.0 | 42.1 | |
| 9.0 | | 5.5 | 50.9 | | 8.2 | | 52.8 | 55.0 | L | 9.2 | 23 | 23.5 | 51.4 | K | 9.5 | | 39.3 | 12.2 | | 9.4 | | 32.6 | 53.2 | B |
| 7.0 | | 6.7 | 33.5 | L | 9.4 | 52 | 36.4 | 28.2 | R | 9.5 | | 51.5 | 27.2 | | 8.2 | | 42.7 | 54.3 | S | 9.5 | 23 | 37.4 | 3.5 | |
| 8.0 | 19 | 1.6 | 10.9 | K | 9.1 | | 45.7 | 25.7 | R | 8.9 | 24 | 12.5 | 13.8 | | 9.5 | 52 | 22.8 | 55.9 | | 6.8 | 24 | 12.4 | 8.3 | K |
| 9.5 | | 4.4 | 35.7 | | 9.5 | 53 | 7.1 | 1.3 | | 8.2 | | 20.8 | 52.6 | K | 9.5 | 53 | 19.9 | 32.9 | | 9.5 | | 37.6 | 23.9 | |
| 7.9 | | 58.3 | 13.8 | Kb | 9.5 | 54 | 8.1 | 43.2 | | 8.8 | | 30.9 | 48.3 | K | 9.5 | 54 | 16.3 | 3.3 | | 7.5 | 25 | 1.6 | 21.8 | K |
| 9.4 | 20 | 2.0 | 1.4 | *a* | 9.5 | 55 | 24.7 | 32.6 | | 8.7 | 25 | 8.4 | 34.6 | L | 9.5 | 55 | 2.8 | 30.1 | | 8.9 | 26 | 11.3 | 7.9 | |
| 9.3 | | 13.6 | 44.2 | | 9.5 | | 28.3 | 53.7 | | 9.4 | | 35.9 | 56.3 | | 9.5 | | 36.4 | 15.7 | | 9.5 | | 58.0 | 21.2 | |
| 9.3 | | 19.6 | 44.2 | | 8.8 | | 30.4 | 48.6 | | 9.1 | 26 | 40.4 | 38.6 | K | 9.5 | | 52.3 | 37.3 | | 9.5 | 27 | 3.9 | 51.5 | |
| 9.4 | | 37.7 | 7.5 | | 9.5 | | 32.8 | 16.9 | B | 9.5 | | 45.9 | 44.1 | | 9.1 | | 53.8 | 10.8 | K | 7.8 | | 37.0 | 1.0 | K |
| 9.5 | 21 | 22.1 | 32.2 | | 9.5 | | 42.1 | 30.1 | | 9.1 | | 47.9 | 38.9 | K | 9.2 | 57 | 19.3 | 4.2 | *a* | 9.1 | 28 | 44.0 | 27.0 | K |
| 8.8 | | 45.7 | 21.6 | R | 9.3 | 56 | 53.7 | 49.1 | | 8.5 | 27 | 9.9 | 5.8 | L | 9.1 | | 35.0 | 3.1 | Kb | 9.5 | 29 | 21.8 | 8.6 | |
| 8.7 | 22 | 3.2 | 22.6 | R | 9.5 | | 57.0 | 59.5 | B | 9.3 | | 36.4 | 36.6 | Kb | 9.5 | | 37.3 | 32.2 | | 9.5 | 30 | 5.7 | 4.2 | |
| 9.4 | | 6.5 | 34.0 | | 8.6 | 58 | 10.2 | 9.1 | | 9.5 | 29 | 42.4 | 51.0 | | 7.6 | 58 | 42.8 | 22.1 | K | 9.4 | | 52.8 | 0.4 | B |
| 9.1 | | 44.4 | 10.9 | K | 8.5 | | 30.8 | 16.5 | | 9.3 | 30 | 47.5 | 14.5 | *a* | 9.2 | | 51.3 | 0.2 | Kb | 8.2 | 31 | 8.5 | 32.2 | Kb |
| 8.3 | | 48.4 | 43.3 | K | 8.8 | | 31.1 | 29.6 | Kb | 9.2 | 31 | 3.2 | 11.1 | K | 9.5 | 59 | 21.8 | 41.4 | | 9.2 | | 20.5 | 33.9 | K |
| 9.1 | 25 | 43.1 | 22.6 | *b* | 9.5 | 59 | 14.4 | 54.5 | | 9.0 | | 11.3 | 7.0 | K | 9.5 | | 32.8 | 37.3 | | 9.0 | 32 | 29.8 | 18.1 | Lb |
| 9.5 | 26 | 16.7 | 24.7 | | 9.3 | | 38.5 | 49.0 | | 9.0 | | 36.9 | 32.1 | K | 8.7 | | 49.8 | 58.5 | B | 7.2 | | 40.9 | 26.3 | K |
| 9.2 | 27 | 14.9 | 59.7 | Kb | 9.5 | | 39.5 | 42.0 | | 9.0 | 32 | 43.9 | 18.3 | K | 7.5 | 0 | 28.3 | 17.7 | L | 9.1 | 33 | 17.5 | 13.2 | K |
| 9.5 | 28 | 20.2 | 29.1 | *a* | 9.3 | 0 | 13.4 | 56.0 | | 7.9 | 33 | 47.3 | 56.3 | K | 9.5 | | 37.5 | 21.5 | | 9.5 | 34 | 58.8 | 42.7 | |
| 8.7 | | 42.0 | 46.4 | K | 9.4 | | 22.6 | 57.1 | | 9.4 | 34 | 18.0 | 30.6 | | 8.0 | 1 | 5.5 | 43.3 | B | 9.4 | 38 | 11.3 | 55.5 | |
| 9.4 | 30 | 36.8 | 27.7 | *a* | 6.8 | 1 | 12.6 | 18.2 | K | 9.5 | | 29.4 | 43.9 | | 9.4 | | 14.6 | 56.9 | | 9.5 | | 12.0 | 11.5 | |
| 9.4 | 31 | 38.3 | 27.8 | B | 9.5 | | 50.4 | 33.0 | | 9.5 | | 41.4 | 38.1 | | 9.5 | 3 | 6.3 | 41.1 | | 9.5 | | 24.6 | 35.9 | |
| 9.3 | | 45.6 | 0.8 | B | 8.9 | 2 | 39.8 | 51.6 | K | 9.5 | | 41.4 | 3.4 | | 9.5 | | 11.9 | 25.6 | | 9.5 | | 31.7 | 58.3 | |
| 9.5 | | 50.0 | 6.4 | | 9.0 | 6 | 10.4 | 50.7 | | 9.0 | 35 | 2.5 | 9.0 | K | 9.3 | | 28.7 | 3.1 | K | 9.3 | | 36.3 | 50.7 | |
| 8.0 | 32 | 3.4 | 45.7 | K | 9.3 | | 15.6 | 56.0 | K | 9.5 | | 45.3 | 22.0 | B | 8.2 | 4 | 31.2 | 8.4 | K | 9.2 | 39 | 3.1 | 49.6 | |
| 9.5 | 33 | 40.4 | 24.1 | | 7.3 | | 57.5 | 17.8 | K | 8.9 | 36 | 10.3 | 13.9 | | 9.5 | | 42.5 | 44.9 | | 8.1 | | 11.5 | 56.9 | K |
| 9.5 | 34 | 45.1 | 33.0 | *b* | 9.3 | 7 | 6.8 | 2.3 | | 9.5 | 38 | 28.8 | 2.7 | | 9.3 | 5 | 18.3 | 28.3 | K | 9.5 | | 26.2 | 8.6 | |
| 9.5 | 35 | 30.4 | 39.6 | *b* | 9.5 | | 37.9 | 1.2 | | 9.0 | | 30.1 | 53.8 | L | 8.0 | | 52.9 | 41.0 | K | 9.3 | | 34.3 | 19.4 | K |
| 9.5 | | 40.7 | 35.4 | | 8.9 | 8 | 26.8 | 5.6 | | 9.0 | 39 | 21.1 | 7.4 | K | 9.3 | 6 | 21.9 | 33.2 | K | 7.9 | | 38.9 | 55.1 | K |
| 9.5 | 36 | 56.4 | 12.7 | | 9.1 | | 55.1 | 47.5 | *b* | 8.8 | | 46.3 | 45.3 | Kb | 9.5 | 10 | 6.0 | 52.8 | | 9.5 | | 54.0 | 58.9 | |
| 9.5 | 38 | 23.1 | 21.4 | | 9.4 | | 58.7 | 45.2 | | 9.3 | | 59.7 | 49.7 | K | 9.1 | | 30.8 | 55.5 | *ab* | 9.5 | 40 | 0.2 | 7.9 | |
| 9.2 | | 23.9 | 12.8 | *b* | 9.5 | 9 | 28.0 | 3.3 | *a* | 9.5 | 40 | 39.3 | 37.3 | | 9.5 | | 50.3 | 8.4 | | 9.5 | | 23.3 | 8.1 | |
| 9.3 | | 29.4 | 50.5 | | 9.1 | | 53.8 | 0.5 | | 8.0 | | 56.7 | 53.9 | B | 9.5 | 11 | 8.3 | 54.2 | | 9.5 | 41 | 13.6 | 38.8 | |
| 9.1 | | 31.2 | 38.8 | K | 9.5 | 11 | 34.2 | 7.5 | | 8.1 | 41 | 30.8 | 23.6 | K | 8.6 | | 19.9 | 3.1 | K | 8.7 | | 21.8 | 14.7 | K |
| 9.2 | 39 | 22.2 | 50.6 | *a* | 5.0 | 13 | 1.9 | 25.2 | L | 9.1 | 42 | 5.9 | 40.0 | *ab* | 8.1 | | 43.9 | 8.0 | L | 9.1 | | 53.9 | 27.7 | K |
| 8.7 | | 24.4 | 49.6 | B | 6.0 | | 23.3 | 51.9 | K | 8.7 | | 27.1 | 0.6 | K | 8.7 | | 52.7 | 4.5 | Lb | 9.3 | 42 | 6.3 | 21.0 | |
| 9.4 | | 30.3 | 44.3 | | 8.0 | 14 | 26.4 | 24.8 | Kb | 7.3 | | 43.3 | 12.8 | K | 9.4 | 12 | 22.0 | 56.7 | | 7.0 | | 27.9 | 43.0 | 8b |
| 9.0 | | 57.0 | 15.4 | Kb | 9.1 | | 31.4 | 19.4 | K | 9.1 | 43 | 25.8 | 0.5 | K | 8.9 | | 33.0 | 40.5 | | 9.3 | | 39.5 | 58.3 | |
| 9.5 | 40 | 17.1 | 59.3 | | 7.8 | 15 | 17.9 | 24.2 | K | 9.5 | | 29.2 | 56.5 | | 8.6 | 13 | 32.9 | 25.6 | Kb | 9.1 | | 48.3 | 10.1 | K |
| 9.4 | | 31.6 | 28.9 | | 8.1 | | 22.1 | 56.3 | B | 9.5 | | 40.9 | 37.0 | | 9.4 | 14 | 19.0 | 31.6 | | 8.5 | 43 | 42.8 | 1.4 | Kb |
| 9.5 | | 40.4 | 23.7 | | 8.8 | 16 | 12.3 | 22.0 | | 9.3 | 44 | 1.3 | 11.4 | K | 9.3 | | 36.0 | 33.6 | B | 9.5 | | 45.4 | 47.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 31.87 | 3.29 | | 10pr. | | 30.82 | 3.34 | | 10pr. | | 29.89 | 3.32 | | 10pr. | | 28.99 | 3.24 | | 10pr. | | 28.07 | 3.09 | |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13ᵘ—14ᵘ | | +27° | | | 14ᵘ | | +27° | | | 14ᵘ—15ᵘ | | +27° | | | 15ᵘ | | +27° | | | 15ᵘ—16ᵘ | | +27° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.2 | 44′ | 32.5 | 50.8 | K | 9.5 | 11′ | 49.5 | 48.3 | | 9.0 | 41′ | 9.7 | 39.4 | *b* | 9.0 | 15′ | 43.5 | 54.7 | | 9.1 | 42′ | 0.0 | 51.8 | |
| 9.3 | | 45.2 | 32.5 | K | 9.4 | 12 | 10.9 | 53.0 | | 9.4 | | 18.3 | 55.4 | | 9.1 | 16 | 22.0 | 58.4 | *a* | 9.5 | | 29.2 | 36.1 | B |
| 9.5 | 45 | 21.9 | 20.9 | | 9.3 | | 46.4 | 1.8 | B | 8.8 | 42 | 40.9 | 1.9 | | 9.5 | 18 | 47.4 | 44.9 | | 9.4 | | 34.7 | 17.8 | |
| 9.5 | 46 | 22.7 | 9.4 | *a* | 9.5 | | 57.5 | 57.4 | | 9.5 | | 53.5 | 15.8 | | 8.2 | 19 | 33.3 | 7.6 | K | 9.3 | 43 | 30.0 | 17.8 | |
| 9.5 | | 36.3 | 12.8 | | 9.5 | 13 | 47.6 | 43.2 | | 9.5 | 45 | 49.0 | 22.2 | | 8.5 | | 36.7 | 32.4 | | 8.7 | | 45.5 | 44.8 | *Kb* |
| 8.3 | | 39.2 | 48.1 | B | 8.8 | | 49.4 | 37.4 | | 9.1 | 46 | 3.5 | 42.5 | *Rb* | 9.2 | | 55.2 | 0.3 | | 9.3 | 44 | 0.0 | 45.2 | *a* |
| 9.4 | | 52.0 | 8.8 | B | 7.6 | 14 | 3.9 | 14.4 | K | 9.5 | | 11.9 | 24.2 | | 8.5 | 20 | 4.7 | 13.5 | *Kb* | 9.5 | | 42.5 | 42.8 | |
| 9.4 | | 59.1 | 20.3 | | 9.4 | 15 | 33.7 | 31.3 | B | 9.2 | | 21.2 | 30.4 | | 9.2 | | 28.7 | 57.7 | B | 9.0 | 45 | 0.2 | 23.5 | |
| 9.5 | 48 | 53.1 | 29.5 | | 9.1 | | 53.7 | 3.8 | | 9.3 | | 26.9 | 38.6 | B | 8.0 | | 29.2 | 54.7 | B | 9.5 | | 10.1 | 4.2 | |
| 9.2 | 49 | 53.0 | 52.9 | K | 9.5 | | 57.2 | 28.3 | | 7.8 | | 34.7 | 3.5 | K | 9.3 | | 43.7 | 54.5 | | 9.3 | 46 | 35.2 | 7.9 | |
| 9.5 | 50 | 38.7 | 57.0 | | 8.8 | 16 | 0.0 | 9.8 | | 9.2 | | 57.0 | 29.7 | | 8.0 | | 48.7 | 46.7 | K | 8.6 | 47 | 5.2 | 37.5 | |
| 8.3 | | 43.3 | 7.8 | K | 9.2 | | 33.6 | 51.8 | K | 9.5 | 47 | 3.4 | 7.4 | B | 9.3 | | 57.2 | 29.4 | | 9.1 | | 23.9 | 20.3 | *b* |
| 9.0 | | 57.9 | 22.6 | | 9.1 | 17 | 1.1 | 28.1 | *b* | 9.5 | | 59.0 | 26.5 | | 8.3 | 22 | 11.6 | 0.8 | K | 9.0 | | 41.5 | 5.4 | L |
| 9.0 | 52 | 2.8 | 45.3 | | 8.0 | | 25.1 | 56.0 | K | 9.0 | 48 | 25.0 | 24.0 | K | 7.3 | | 37.6 | 38.3 | K | 9.5 | 48 | 58.8 | 10.5 | |
| 9.0 | | 26.4 | 43.3 | | 9.0 | 19 | 7.6 | 34.2 | B | 8.3 | | 25.8 | 5.2 | K | 8.3 | 23 | 15.7 | 35.6 | K | 8.0 | 50 | 3.2 | 27.6 | L |
| 9.0 | | 39.9 | 32.6 | K | 9.4 | 20 | 1.0 | 50.4 | | 9.5 | 49 | 28.2 | 43.9 | | 8.5 | | 50.0 | 42.8 | K | 9.4 | | 16.5 | 5.4 | |
| 8.7 | 53 | 13.6 | 58.6 | L | 9.5 | | 4.0 | 53.7 | | 9.5 | | 31.5 | 25.3 | *a* | 9.5 | 24 | 0.0 | 23.5 | | 9.4 | 51 | 9.7 | 45.7 | |
| 8.5 | | 27.8 | 50.3 | K | 8.4 | | 36.1 | 2.8 | K | 7.0 | 51 | 56.0 | 24.5 | K | 9.5 | 25 | 3.4 | 6.4 | | 4.0 | | 35.7 | 18.1 | K |
| 9.5 | 55 | 3.9 | 42.9 | | 8.8 | | 40.8 | 38.1 | | 9.5 | 52 | 34.6 | 34.5 | | 8.5 | | 5.7 | 50.3 | K | 9.5 | 52 | 0.6 | 21.8 | B |
| 9.5 | | 33.8 | 19.2 | | 9.2 | 21 | 4.8 | 17.1 | K | 8.8 | | 51.1 | 51.7 | L | 9.3 | | 6.9 | 23.7 | B | 9.5 | | 27.0 | 23.0 | |
| 9.3 | | 57.3 | 30.9 | *Bb* | 9.2 | | 9.9 | 23.7 | | 9.0 | 53 | 16.9 | 50.9 | L | 9.1 | | 52.4 | 3.4 | *ab* | 9.5 | | 27.5 | 28.5 | B |
| 9.4 | 56 | 24.4 | 19.9 | | 8.0 | | 33.1 | 14.1 | K | 8.3 | | 39.2 | 43.8 | K | 8.6 | 26 | 47.7 | 54.9 | K | 9.5 | | 28.9 | 1.4 | *a* |
| 9.5 | | 59.4 | 56.0 | | 9.0 | 22 | 53.9 | 24.2 | | 9.3 | 54 | 59.6 | 2.8 | | 9.3 | | 53.1 | 8.1 | B | 8.6 | | 30.0 | 16.8 | K |
| 9.4 | 57 | 17.3 | 2.5 | | 9.0 | 23 | 1.8 | 14.7 | | 9.5 | 55 | 20.3 | 11.7 | | 8.9 | 27 | 0.0 | 25.9 | | 9.0 | | 32.2 | 35.3 | B |
| 9.4 | | 42.6 | 0.2 | | 9.0 | | 44.6 | 2.1 | B | 8.7 | 56 | 22.3 | 59.5 | K | 9.3 | | 8.2 | 11.6 | | 8.9 | | 49.2 | 5.5 | L |
| 9.3 | | 44.4 | 36.4 | | 9.2 | 24 | 32.1 | 50.0 | *b* | 7.2 | 57 | 36.7 | 39.1 | *Kb* | 9.0 | | 15.9 | 7.9 | B | 9.3 | | 56.5 | 32.5 | |
| 9.3 | | 52.8 | 17.8 | K | 9.2 | | 51.4 | 3.5 | K | 4.7 | 58 | 15.0 | 31.4 | K | 8.7 | | 43.5 | 11.3 | S | 9.0 | | 58.2 | 27.0 | |
| 9.5 | 59 | 0.8 | 27.1 | | 6.2 | 25 | 55.3 | 19.9 | K | 9.5 | | 55.5 | 6.5 | | 9.2 | | 47.0 | 58.8 | | 9.5 | 54 | 31.0 | 16.9 | |
| 9.2 | | 14.5 | 35.0 | K | 9.5 | 26 | 15.0 | 2.4 | | 9.3 | 59 | 48.0 | 26.2 | | 8.2 | | 58.6 | 0.8 | K | 9.5 | | 48.7 | 26.4 | *a* |
| 9.4 | | 36.4 | 39.1 | *a* | 9.2 | | 18.9 | 41.5 | | 8.2 | 0 | 6.7 | 0.3 | K | 9.3 | 28 | 22.8 | 42.1 | B | 8.2 | 55 | 9.8 | 33.3 | K |
| 9.5 | | 52.7 | 54.3 | | 8.8 | | 35.0 | 41.5 | K | 9.5 | | 19.0 | 23.5 | | 9.4 | | 27.0 | 57.5 | B | 9.5 | | 12.2 | 46.1 | |
| 9.1 | 0 | 5.8 | 47.7 | | 9.5 | | 38.3 | 22.0 | | 9.5 | | 29.0 | 7.6 | | 2.0 | | 34.1 | 12.4 | K | 9.0 | | 20.1 | 52.3 | |
| 9.0 | | 17.4 | 39.2 | K | 9.3 | 27 | 4.3 | 40.8 | | 9.5 | | 30.5 | 53.2 | | 8.6 | | 36.0 | 22.8 | K | 9.5 | 56 | 28.1 | 56.4 | |
| 9.5 | 1 | 16.9 | 47.7 | | 9.1 | | 55.7 | 4.5 | K | 9.5 | | 54.5 | 56.5 | | 8.5 | | 36.5 | 45.5 | K | 9.0 | | 31.2 | 4.5 | K |
| 8.7 | | 30.3 | 13.7 | K | 9.5 | 28 | 58.3 | 16.1 | | 9.5 | 1 | 20.2 | 16.2 | | 9.4 | 29 | 9.3 | 22.8 | B | 7.7 | | 38.2 | 1.1 | K |
| 8.0 | | 37.2 | 27.1 | K | 8.3 | 29 | 39.4 | 2.5 | B | 9.0 | | 34.7 | 48.4 | | 9.3 | | 11.3 | 40.0 | | 9.4 | | 49.7 | 43.6 | |
| 9.5 | 2 | 18.4 | 47.0 | | 9.4 | | 54.3 | 41.8 | | 7.9 | | 59.4 | 15.5 | *Kb* | 9.0 | 30 | 28.4 | 38.7 | K | 9.5 | 57 | 12.2 | 30.2 | |
| 9.5 | | 24.3 | 2.7 | | 9.4 | | 59.0 | 21.1 | | 9.5 | 2 | 45.2 | 29.7 | | 9.4 | | 32.1 | 54.8 | | 9.4 | | 44.8 | 40.9 | |
| 9.5 | | 30.5 | 59.2 | | 9.5 | 30 | 36.0 | 22.1 | *B* | 9.3 | | 58.8 | 30.2 | B | 9.4 | | 33.2 | 13.7 | *B* | 9.1 | 58 | 20.0 | 10.0 | *a* |
| 8.1 | | 58.3 | 34.7 | K | var | | 47.8 | 22.0 | B | 9.5 | 3 | 33.7 | 0.6 | | 8.9 | 31 | 0.7 | 14.2 | *Kb* | 9.4 | | 45.4 | 47.4 | B |
| 9.5 | 3 | 13.9 | 25.8 | | 9.3 | 32 | 1.6 | 0.2 | B | 8.0 | 4 | 11.5 | 58.4 | *Kb* | 9.3 | | 55.0 | 47.6 | | 9.0 | 59 | 4.3 | 12.3 | |
| 8.2 | | 35.4 | 17.5 | K | 9.5 | | 6.1 | 25.4 | | 9.4 | 8 | 12.4 | 7.3 | | 9.0 | 34 | 40.0 | 22.5 | | 8.9 | | 14.9 | 6.7 | L |
| 9.5 | 5 | 37.6 | 31.1 | B | 8.5 | | 45.7 | 1.3 | K | 9.5 | | 24.3 | 39.6 | | 9.4 | | 50.1 | 36.2 | | 9.5 | | 39.7 | 57.5 | |
| 9.2 | | 39.0 | 7.2 | | 8.2 | | 56.4 | 26.4 | *Kb* | 9.4 | | 25.7 | 13.7 | | 9.2 | 35 | 28.7 | 0.2 | B | 9.4 | | 53.6 | 20.6 | |
| 9.5 | | 51.5 | 59.8 | | 9.5 | 33 | 13.5 | 59.8 | | 9.5 | | 42.8 | 7.3 | | 9.4 | | 41.8 | 1.5 | | 9.4 | 0 | 54.2 | 39.5 | |
| 9.3 | 6 | 7.8 | 25.7 | K | 9.5 | | 19.8 | 29.8 | | 9.5 | 9 | 17.0 | 54.3 | | 9.0 | | 46.5 | 23.0 | | 9.5 | 1 | 39.7 | 22.7 | |
| 9.5 | | 14.3 | 48.6 | B | 9.5 | | 41.5 | 10.5 | | 9.1 | | 21.7 | 46.3 | | 9.5 | 36 | 5.4 | 42.8 | | 9.5 | 2 | 23.4 | 2.1 | |
| 9.1 | 7 | 27.4 | 24.4 | | 9.5 | 34 | 52.7 | 23.0 | | 8.3 | | 37.5 | 53.6 | K | 8.5 | | 39.7 | 18.4 | K | 9.5 | | 29.2 | 28.9 | |
| 8.2 | | 42.1 | 22.7 | S | 9.5 | 35 | 24.3 | 48.8 | | 8.5 | | 52.2 | 2.0 | K | 9.3 | 37 | 16.5 | 33.8 | | 9.5 | | 54.7 | 54.8 | |
| 9.5 | 8 | 4.3 | 40.5 | | 9.5 | 36 | 58.9 | 58.3 | | 9.1 | 10 | 4.7 | 28.3 | | 9.1 | | 36.0 | 42.2 | *a* | 9.2 | 3 | 7.2 | 13.1 | *a* |
| 8.5 | | 14.3 | 10.5 | K | 9.0 | 37 | 1.1 | 22.0 | K | 9.5 | | 42.1 | 45.7 | B | 9.2 | 38 | 14.6 | 47.0 | *Bb* | 7.5 | | 24.0 | 45.7 | *Lb* |
| 9.5 | | 40.9 | 33.3 | | 8.5 | | 1.3 | 16.4 | K | 9.1 | | 55.7 | 22.4 | | 9.0 | | 33.4 | 11.2 | | 9.4 | | 27.5 | 43.0 | *a* |
| 9.5 | 9 | 16.8 | 57.6 | | 5.8 | | 2.7 | 8.9 | *Kb* | 9.1 | 11 | 0.3 | 47.3 | | 9.3 | 39 | 35.9 | 7.1 | | 8.0 | | 38.7 | 20.9 | L |
| 8.6 | | 56.9 | 17.5 | K | 9.5 | | 55.9 | 54.7 | | 7.9 | | 19.0 | 32.8 | K | 9.2 | | 36.3 | 25.7 | *b* | 9.2 | | 56.8 | 17.5 | |
| 9.5 | | 58.8 | 34.1 | | 9.0 | 38 | 9.3 | 18.0 | | 9.3 | | 41.4 | 53.7 | | 9.1 | | 47.4 | 3.6 | *a* | 6.7 | 4 | 6.5 | 7.8 | K |
| 8.5 | 10 | 20.0 | 2.4 | K | 9.3 | | 26.1 | 11.6 | | 9.5 | | 43.7 | 11.0 | | 9.4 | 41 | 1.3 | 55.6 | | 9.3 | | 38.2 | 12.3 | |
| 8.7 | | 41.5 | 58.0 | L | 2.3 | | 39.6 | 41.0 | K | 6.5 | 12 | 9.3 | 22.4 | K | 8.8 | | 3.7 | 58.2 | | 7.3 | 5 | 10.2 | 17.0 | L |
| 9.4 | 11 | 17.3 | 58.1 | | 9.2 | 39 | 29.3 | 48.0 | | 8.9 | 14 | 58.0 | 33.5 | | 8.2 | | 10.6 | 39.7 | *Kb* | 9.5 | | 38.8 | 38.5 | |
| 9.4 | | 25.7 | 53.1 | B | 9.2 | 40 | 6.4 | 1.1 | | 8.8 | 15 | 18.2 | 30.1 | | 9.2 | | 17.3 | 15.5 | *a* | 9.4 | | 41.6 | 40.5 | *a* |
| 7.8 | | 38.2 | 27.8 | K | 9.3 | | 52.2 | 53.5 | | 9.5 | | 32.0 | 11.7 | | 9.0 | | 47.9 | 10.4 | | 9.3 | | 52.2 | 29.6 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *27.25* | *2.89* | | *10pr.* | | *26.58* | *2.68* | | *10pr.* | | *25.80* | *2.36* | | *10pr.* | | *25.23* | *2.05* | | *10pr.* | | *24.77* | *1.73* | |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16ᵐ | | +27° | | | 16ᵐ | | +27° | | | 16ᵐ—17ᵐ | | +27° | | | 17ᵐ | | +27° | | | 17ᵐ | | +27° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.6 | 5 | 57.2 | 59.0 | Kb | 6.5 | 31 | 57.8 | 20.8 | K | 9.5 | 50 | 33.5 | 45.9 | | 9.5 | 10 | 38.7 | 7.4 | a | 9.0 | 28 | 35.0 | 13.0 | K |
| 9.5 | 6 | 24.2 | 53.0 | | 8.8 | 32 | 11.9 | 37.7 | K | 9.2 | | 38.4 | 6.5 | K | 8.8 | | 46.5 | 50.4 | | 9.5 | | 55.0 | 37.3 | |
| 6.5 | | 47.0 | 3.1 | K | 9.0 | | 20.5 | 44.9 | K | 9.3 | | 57.5 | 47.6 | B | 9.2 | 11 | 16.0 | 7.2 | K | 9.4 | 29 | 11.5 | 38.1 | |
| 9.4 | | 50.8 | 50.8 | | 9.0 | 33 | 18.4 | 10.5 | B | 9.1 | 51 | 6.0 | 21.4 | K | 8.8 | 12 | 6.4 | 3.8 | K | 9.5 | | 28.8 | 38.7 | |
| 9.5 | 7 | 6.6 | 5.7 | | 9.5 | | 18.4 | 5.5 | | 9.3 | | 45.0 | 7.4 | B | 9.5 | | 17.0 | 37.9 | | 9.2 | | 39.2 | 44.0 | |
| 9.5 | | 9.2 | 33.8 | | 9.1 | | 45.8 | 17.8 | a | 9.5 | | 52.4 | 7.2 | B | 9.0 | | 23.2 | 52.5 | | 9.0 | 30 | 14.4 | 34.9 | K |
| 8.3 | | 17.5 | 26.5 | K | 9.4 | 34 | 59.5 | 22.2 | | 9.5 | 52 | 18.2 | 8.4 | B | 8.0 | | 36.3 | 5.5 | Kb | 9.4 | | 34.0 | 56.2 | |
| 9.2 | | 25.8 | 40.5 | a | 6.0 | 35 | 45.6 | 12.3 | K | 8.3 | | 59.9 | 52.9 | K | 9.1 | 13 | 0.7 | 3.3 | K | 9.2 | | 36.5 | 11.4 | K |
| 9.4 | | 32.3 | 3.2 | | 9.4 | | 51.3 | 45.7 | | 9.2 | 53 | 0.4 | 21.5 | | 9.5 | | 14.2 | 44.7 | | 7.0 | | 36.5 | 40.9 | K |
| 9.3 | | 42.2 | 14.6 | | 9.5 | 36 | 14.9 | 15.5 | B | 9.4 | | 6.2 | 43.5 | B | 7.1 | | 36.5 | 26.3 | K | 9.1 | | 42.9 | 7.0 | K |
| 9.5 | 8 | 38.8 | 0.5 | | 9.5 | 37 | 14.0 | 35.2 | | 9.1 | | 54.8 | 38.2 | a | 9.5 | 14 | 29.7 | 52.7 | | 9.5 | | 45.9 | 19.1 | |
| 9.5 | | 39.4 | 32.2 | | 9.4 | | 17.0 | 49.4 | Bb | 9.5 | | 58.5 | 6.8 | | 8.7 | | 51.0 | 40.2 | K | 9.0 | 31 | 19.7 | 48.2 | |
| 6.5 | 9 | 53.1 | 48.4 | K | 9.5 | | 33.3 | 33.0 | B | 7.2 | 54 | 4.3 | 32.9 | K | 9.5 | 15 | 24.4 | 34.5 | | 9.2 | | 27.8 | 58.9 | K |
| 9.4 | 10 | 50.1 | 14.6 | | 9.5 | | 40.3 | 4.9 | B | 9.4 | | 22.1 | 15.3 | B | 9.0 | | 40.3 | 4.4 | K | 9.5 | 32 | 2.0 | 45.0 | a |
| 9.5 | | 51.0 | 48.0 | R | 9.5 | | 57.0 | 31.3 | | 9.5 | | 43.9 | 3.5 | a | 9.0 | | 51.7 | 20.8 | K | 9.5 | | 10.6 | 57.4 | |
| 8.4 | | 59.8 | 39.5 | B | 9.5 | 39 | 4.8 | 16.7 | | 9.5 | | 59.8 | 16.5 | | 9.5 | 16 | 55.4 | 22.0 | | 9.0 | | 38.4 | 40.9 | |
| 9.5 | 11 | 30.9 | 32.9 | | 9.4 | | 5.5 | 26.4 | | 9.3 | 55 | 8.7 | 21.3 | | 7.8 | 17 | 3.8 | 59.7 | K | 8.9 | 33 | 13.4 | 20.0 | |
| 9.3 | 13 | 8.2 | 10.5 | | 9.5 | | 16.0 | 29.0 | | 6.5 | | 20.5 | 24.8 | B | 9.5 | | 16.5 | 2.2 | | 7.5 | | 17.4 | 8.8 | K |
| 9.5 | | 11.0 | 42.0 | B | 9.4 | | 32.3 | 43.4 | | 9.3 | | 37.5 | 15.5 | B | 9.0 | | 29.0 | 53.9 | | 9.3 | | 25.5 | 38.0 | a |
| 9.3 | | 14.8 | 45.9 | B | 8.2 | | 41.8 | 23.5 | K | 9.4 | 56 | 6.6 | 42.5 | | 9.0 | | 33.5 | 52.5 | | 9.3 | | 51.9 | 27.7 | Kb |
| 9.4 | | 27.8 | 41.7 | B | 8.6 | | 48.7 | 26.8 | K | 9.5 | | 40.7 | 40.2 | | 9.5 | 18 | 23.6 | 56.9 | | 9.5 | | 53.7 | 50.1 | |
| 8.8 | | 53.3 | 7.9 | K | 9.1 | 40 | 18.8 | 24.1 | B | 9.0 | 57 | 1.9 | 58.4 | | 9.5 | 19 | 2.3 | 16.7 | | 9.5 | | 58.9 | 15.5 | |
| 7.5 | 14 | 16.5 | 41.2 | K | 8.5 | | 29.7 | 21.7 | K | 9.2 | | 13.2 | 0.7 | K | 9.5 | | 22.7 | 34.1 | | 9.4 | 34 | 51.5 | 28.5 | B |
| 9.5 | | 37.1 | 42.2 | | 9.1 | | 32.6 | 42.9 | ab | 9.4 | 58 | 11.9 | 12.1 | a | 9.5 | | 28.8 | 54.5 | | 9.5 | 35 | 1.8 | 23.3 | |
| 9.3 | | 46.1 | 39.8 | K | 9.4 | | 53.0 | 20.1 | | 9.3 | | 22.2 | 56.7 | | 8.5 | | 35.6 | 46.0 | | 9.1 | | 44.0 | 57.3 | |
| 9.2 | 15 | 8.5 | 55.7 | | 8.7 | | 53.5 | 11.5 | L | 9.5 | | 23.8 | 6.8 | | 9.5 | | 37.1 | 56.3 | | 9.0 | | 45.0 | 46.9 | K |
| 9.2 | | 8.8 | 51.4 | | 9.3 | 41 | 5.6 | 16.8 | B | 9.5 | | 25.2 | 30.1 | | 9.1 | | 53.4 | 26.9 | B | 9.0 | | 50.6 | 4.4 | K |
| 9.3 | | 10.7 | 37.2 | B | 9.5 | | 31.2 | 54.3 | B | 8.3 | | 41.0 | 15.0 | K | 7.6 | | 57.4 | 26.3 | K | 8.8 | | 52.4 | 56.4 | K |
| 8.5 | | 22.2 | 43.2 | K | 9.1 | | 46.8 | 7.4 | a | 9.3 | | 52.4 | 5.8 | | 6.5 | 20 | 12.2 | 0.2 | K | 9.4 | | 57.4 | 3.4 | B |
| 9.2 | | 32.8 | 33.5 | K | 9.5 | 42 | 11.3 | 25.7 | | 9.4 | | 57.0 | 49.1 | B | 9.4 | | 18.3 | 16.0 | | 7.1 | 36 | 17.4 | 42.4 | K |
| 8.8 | | 58.8 | 44.6 | K | 9.3 | | 32.4 | 39.7 | | 9.1 | 59 | 14.0 | 21.2 | Kb | 9.3 | | 28.7 | 52.2 | | 9.3 | | 32.2 | 47.5 | B |
| 9.4 | 16 | 15.7 | 48.7 | B | 9.5 | | 36.2 | 5.4 | | 8.1 | | 16.1 | 3.6 | K | 9.4 | | 38.0 | 13.9 | | 9.2 | | 37.9 | 49.5 | a |
| 9.5 | | 43.5 | 15.3 | | 9.4 | | 43.5 | 15.5 | B | 9.5 | | 20.3 | 43.3 | | 7.7 | | 48.7 | 21.5 | K | 9.2 | | 55.7 | 40.3 | K |
| 9.4 | | 57.5 | 26.3 | b | 9.5 | 43 | 15.3 | 1.6 | | 9.3 | | 31.5 | 7.8 | | 9.3 | 21 | 6.2 | 40.6 | | 9.5 | 37 | 4.5 | 14.6 | |
| 9.5 | 17 | 4.1 | 48.7 | | 9.1 | 44 | 9.1 | 4.2 | a | 9.5 | | 52.1 | 21.9 | | 9.5 | | 25.9 | 4.0 | | 9.2 | | 20.0 | 46.4 | K |
| 9.5 | | 4.6 | 46.2 | | 9.3 | | 9.6 | 18.8 | B | 9.4 | 0 | 6.0 | 14.2 | | 9.5 | | 33.6 | 5.2 | B | 9.5 | | 35.4 | 26.6 | |
| 9.3 | | 8.7 | 48.5 | B | 9.5 | | 18.0 | 32.3 | | 9.5 | | 11.0 | 23.7 | | 8.4 | | 47.2 | 8.1 | K | 7.9 | | 39.8 | 6.1 | K |
| 9.1 | | 36.2 | 28.5 | ab | 8.9 | | 18.1 | 13.1 | B | 9.5 | | 19.3 | 19.9 | B | 9.5 | 22 | 6.2 | 15.9 | | 9.3 | 38 | 32.0 | 36.8 | K |
| 8.5 | 18 | 4.5 | 40.7 | L | 9.1 | | 27.2 | 25.3 | a | 9.1 | | 35.7 | 42.2 | ab | 8.3 | | 18.0 | 47.0 | | 9.4 | | 33.8 | 35.2 | B |
| 9.4 | | 30.8 | 58.5 | | 9.5 | | 34.0 | 18.2 | | 9.2 | | 55.1 | 41.0 | aB | 9.5 | 23 | 10.4 | 49.0 | | 9.5 | 39 | 3.3 | 40.0 | |
| 9.4 | | 53.4 | 0.7 | | 9.5 | | 53.5 | 52.5 | | 8.9 | 1 | 4.8 | 11.9 | | 9.2 | | 17.2 | 32.0 | K | 8.8 | | 4.7 | 30.0 | Lb |
| 9.3 | 19 | 31.9 | 56.6 | | 8.5 | 45 | 6.3 | 21.4 | L | 9.5 | | 13.7 | 38.7 | B | 7.9 | | 30.5 | 59.7 | Lb | 9.4 | | 22.6 | 23.7 | B |
| 9.0 | 20 | 8.2 | 58.2 | | 9.5 | | 53.2 | 8.0 | B | 8.2 | | 58.4 | 19.7 | Lb | 9.5 | | 42.5 | 27.3 | | 9.0 | | 30.4 | 4.1 | |
| 9.1 | | 40.1 | 48.4 | K | 9.3 | 47 | 35.7 | 9.8 | | 7.7 | 2 | 9.9 | 17.1 | L | 8.3 | | 49.9 | 37.4 | K | 8.9 | | 34.8 | 53.1 | K |
| 9.1 | | 40.4 | 25.4 | a | 9.5 | 48 | 15.0 | 57.0 | | 9.5 | | 55.4 | 35.9 | | 9.1 | 24 | 1.9 | 32.5 | K | 9.5 | | 44.5 | 5.0 | |
| 8.9 | 21 | 23.1 | 12.6 | | 8.5 | | 17.4 | 49.8 | K | 8.7 | 3 | 7.0 | 48.8 | Kb | 9.1 | | 48.0 | 16.8 | K | 9.4 | | 48.7 | 55.3 | |
| 9.5 | | 23.8 | 34.0 | | 9.2 | | 30.6 | 50.8 | K | 9.2 | | 35.8 | 4.4 | K | 9.5 | | 53.2 | 45.5 | | 9.0 | 40 | 44.3 | 17.3 | K |
| 9.2 | | 36.8 | 58.7 | | 9.1 | | 32.2 | 32.7 | B | 9.2 | | 42.4 | 24.4 | a | 9.3 | 25 | 11.5 | 21.7 | | 3.5 | | 47.8 | 48.0 | K |
| 9.0 | 22 | 27.8 | 28.8 | K | 9.2 | | 36.8 | 23.8 | | 9.2 | | 50.0 | 24.4 | K | 9.5 | | 16.5 | 33.5 | | 9.4 | 41 | 26.9 | 28.6 | |
| 9.5 | 23 | 5.4 | 56.4 | | 9.1 | | 40.7 | 39.4 | B | 9.3 | 4 | 12.4 | 48.4 | | 9.5 | | 35.0 | 28.6 | | 9.5 | | 44.3 | 11.3 | B |
| 9.5 | | 10.1 | 22.6 | | 9.5 | | 44.7 | 52.1 | | 9.5 | | 50.2 | 46.4 | | 9.5 | | 43.1 | 9.0 | | 9.1 | | 56.7 | 51.1 | K |
| 9.5 | | 40.2 | 42.5 | | 9.3 | | 59.3 | 10.5 | | var | | 58.4 | 14.3 | | 9.1 | 26 | 2.1 | 30.5 | K | 8.5 | 42 | 34.4 | 7.3 | |
| 9.3 | | 46.4 | 3.1 | K | 9.4 | 49 | 32.4 | 8.2 | | 9.4 | 5 | 8.5 | 53.4 | | 9.1 | | 7.0 | 28.0 | a | 9.5 | | 36.4 | 57.5 | |
| 9.5 | 24 | 33.4 | 37.8 | | 9.3 | | 43.2 | 25.0 | B | 9.1 | | 12.0 | 21.8 | K | 9.1 | | 46.2 | 57.8 | b | 9.5 | 43 | 22.6 | 45.0 | |
| 8.9 | | 54.7 | 58.3 | K | 9.4 | | 55.2 | 54.6 | | 9.5 | | 33.2 | 7.5 | | 9.4 | 27 | 4.2 | 31.1 | B | 9.3 | 44 | 12.0 | 44.3 | |
| 9.5 | 26 | 52.1 | 11.9 | ab | 9.5 | | 55.8 | 5.2 | | 9.5 | 6 | 3.6 | 30.0 | B | 9.5 | | 23.5 | 59.8 | | 9.4 | | 23.6 | 3.6 | |
| 9.3 | 30 | 30.0 | 2.7 | K | 9.5 | 50 | 6.7 | 40.2 | | 9.0 | | 5.3 | 21.7 | K | 9.4 | | 49.2 | 4.7 | | 8.4 | | 47.6 | 58.3 | B |
| 9.3 | | 36.4 | 27.4 | | 9.4 | | 8.6 | 28.5 | | 9.2 | | 11.4 | 22.5 | K | 9.5 | 28 | 2.8 | 10.5 | a | 9.0 | 45 | 15.4 | 47.6 | |
| 3.2 | 31 | 12.4 | 3.7 | K | 8.6 | | 20.5 | 26.6 | Kb | 9.4 | 8 | 4.1 | 57.7 | | 9.5 | | 32.3 | 58.8 | | 9.4 | | 17.5 | 34.5 | |
| 8.0 | | 51.2 | 40.6 | K | 9.5 | | 28.7 | 0.3 | | 6.8 | 10 | 10.9 | 18.7 | K | 9.5 | | 34.3 | 21.6 | | 8.6 | | 20.3 | 14.9 | L |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 24.47 | 1.47 | | 10pr. | | 24.16 | 1.11 | | 10pr. | | 24.01 | 0.88 | | 10pr. | | 23.86 | 0.57 | | 10pr. | | 23.79 | 0.34 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ʰ—18ʰ | | +27° | | | 18ʰ | | +27° | | | 18ʰ | | +27° | | | 18ʰ | | +27° | | | 18ʰ | | +27° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.2 | 45 | 22.3 | 6.9 | K | 9.4 | 2 | 5.8 | 39.7 | B | 9.5 | 20 | 24.4 | 48.5 | *a* | 9.5 | 36 | 6.1 | 54.7 | | 9.1 | 46 | 18.3 | 9.6 | |
| 9.5 | 46 | 0.5 | 15.8 | | 9.3 | | 21.0 | 16.2 | | 9.3 | | 35.4 | 28.4 | | 9.5 | | 20.4 | 45.0 | | 7.6 | | 18.3 | 5.2 | B |
| 8.7 | | 24.9 | 55.0 | K | 9.1 | | 46.4 | 55.6 | | 8.5 | | 42.7 | 15.3 | K | 9.2 | | 23.1 | 1.1 | Kb | 9.1 | | 20.2 | 16.3 | |
| 8.5 | | 35.7 | 3.4 | Lb | 9.5 | | 52.4 | 24.0 | | 9.3 | | 49.0 | 17.4 | K | 8.7 | | 27.4 | 30.2 | S | 9.2 | | 21.1 | 4.2 | *a* |
| 7.7 | | 45.9 | 12.6 | K | 9.5 | 3 | 17.4 | 26.4 | | 9.2 | | 54.2 | 52.2 | *a* | 7.5 | | 41.2 | 59.4 | K | 9.2 | | 31.8 | 11.0 | B |
| 8.1 | | 51.7 | 52.4 | K | 9.3 | | 48.5 | 47.1 | | 9.4 | 21 | 19.5 | 50.2 | | 8.3 | | 44.7 | 31.9 | *B* | 9.5 | 47 | 6.3 | 10.5 | |
| 9.2 | 47 | 3.0 | 51.9 | | 9.5 | 4 | 28.9 | 31.2 | | 9.4 | | 25.4 | 39.3 | B | 8.5 | | 58.4 | 50.2 | | 9.2 | | 17.6 | 44.3 | K |
| 8.9 | | 4.2 | 34.7 | K | 9.3 | 5 | 7.7 | 7.5 | B | 9.5 | | 31.6 | 7.0 | | 9.0 | 37 | 41.4 | 37.0 | B | 9.5 | | 19.8 | 33.7 | |
| 9.4 | | 9.1 | 42.7 | | 8.3 | | 8.7 | 56.6 | | 9.0 | | 42.4 | 24.6 | Kb | 9.0 | | 42.3 | 35.3 | S | 9.5 | 48 | 10.4 | 17.4 | |
| 8.8 | | 39.1 | 23.3 | K | 9.4 | | 11.4 | 43.9 | | 9.5 | | 45.3 | 38.3 | *a* | 9.5 | | 53.6 | 18.8 | | 6.2 | | 27.3 | 43.6 | Kb |
| 9.4 | | 43.1 | 31.5 | *a* | 9.3 | | 22.1 | 19.1 | | 9.3 | 22 | 1.6 | 38.0 | | 8.4 | | 57.0 | 58.4 | Kb | 9.4 | | 36.1 | 52.4 | |
| 9.0 | 48 | 5.2 | 10.1 | K | 9.5 | | 32.0 | 44.3 | | 9.0 | | 14.0 | 2.3 | B | 9.5 | | 58.1 | 1.8 | | 9.5 | | 42.7 | 14.4 | |
| 9.3 | | 8.0 | 16.5 | | 9.5 | | 44.3 | 36.3 | | 9.2 | | 17.8 | 16.8 | | 9.5 | 38 | 26.2 | 11.2 | | 9.4 | | 58.8 | 39.2 | |
| 7.8 | | 21.3 | 22.7 | K | 8.7 | | 58.2 | 47.5 | B | 9.2 | | 27.7 | 18.2 | | 9.5 | | 29.5 | 23.5 | | 9.5 | 49 | 8.2 | 35.2 | |
| 9.3 | | 40.4 | 58.4 | | 8.7 | | 58.4 | 21.8 | K | 9.5 | 23 | 20.4 | 39.8 | | 7.3 | | 37.0 | 56.9 | K | 9.0 | | 9.4 | 42.8 | B |
| 7.8 | | 44.4 | 38.3 | K | 9.5 | 6 | 7.1 | 52.5 | | 9.5 | | 28.6 | 27.1 | *a* | 8.0 | | 43.0 | 23.3 | K | 9.5 | | 26.1 | 12.5 | |
| 9.4 | 49 | 5.5 | 15.0 | | 8.2 | | 22.8 | 37.1 | K | 9.0 | | 34.7 | 22.5 | K | 9.5 | | 54.3 | 14.4 | | 8.9 | | 27.2 | 33.7 | |
| 9.5 | 50 | 14.2 | 3.6 | | 9.5 | | 51.6 | 30.8 | | 9.5 | 24 | 1.0 | 32.6 | B | 9.5 | | 57.8 | 23.3 | | 9.0 | | 28.0 | 36.4 | |
| 9.2 | | 18.5 | 56.4 | *b* | 9.3 | | 53.1 | 25.0 | | 9.5 | | 8.8 | 54.2 | | 9.2 | 39 | 17.9 | 43.6 | | 9.5 | | 40.3 | 18.6 | |
| 9.3 | | 30.0 | 33.3 | | 9.5 | 7 | 10.8 | 57.0 | | 9.5 | | 44.0 | 59.7 | | 9.5 | | 36.7 | 52.7 | *a* | 9.3 | 50 | 7.4 | 11.9 | |
| 9.0 | | 31.3 | 27.4 | K | 9.5 | | 32.5 | 0.8 | | 9.5 | | 53.7 | 58.9 | *B* | 8.9 | | 48.5 | 17.6 | K | 9.5 | | 9.1 | 0.6 | *a* |
| 8.3 | 52 | 3.0 | 51.9 | K | 9.4 | 8 | 49.9 | 44.7 | B | 9.5 | 25 | 3.1 | 0.5 | | 9.4 | | 53.9 | 50.1 | | 9.4 | | 12.8 | 5.0 | |
| 7.9 | | 24.9 | 24.2 | K | 9.4 | | 50.2 | 48.3 | | 8.6 | | 32.8 | 44.5 | K | 9.5 | | 57.4 | 50.9 | | 9.5 | | 13.0 | 18.3 | |
| 9.2 | | 30.5 | 18.5 | | 9.2 | 9 | 7.8 | 9.3 | | 9.1 | | 56.4 | 48.4 | K | 9.4 | | 57.5 | 51.6 | B | 9.3 | | 17.9 | 16.1 | |
| 8.5 | | 37.4 | 59.0 | K | 9.3 | | 13.1 | 57.0 | | 9.4 | 26 | 31.9 | 17.7 | *ab* | 9.3 | 40 | 4.5 | 42.2 | *a* | 9.4 | | 26.7 | 38.2 | |
| 9.4 | 53 | 4.5 | 2.4 | | 9.4 | | 15.0 | 53.6 | B | 9.4 | | 49.9 | 47.5 | B | 9.2 | | 9.0 | 39.2 | K | 9.1 | | 28.1 | 1.1 | K |
| 9.0 | | 7.6 | 26.2 | | 9.1 | | 30.1 | 34.1 | Bb | 9.5 | 27 | 9.1 | 34.4 | | 9.1 | | 33.4 | 11.3 | | 9.3 | | 50.4 | 35.7 | |
| 9.5 | | 12.8 | 32.1 | | 8.0 | | 51.1 | 8.2 | K | 9.5 | | 11.3 | 1.8 | | 9.1 | | 40.1 | 7.0 | K | 9.0 | | 57.8 | 31.0 | |
| 9.5 | | 53.0 | 51.0 | | 9.5 | 10 | 23.2 | 46.4 | | 9.5 | 28 | 26.9 | 29.1 | | 9.2 | | 42.0 | 11.0 | | 9.5 | 51 | 6.0 | 13.4 | |
| 9.4 | 54 | 17.1 | 4.6 | | 9.3 | | 41.2 | 56.6 | B | 9.4 | 29 | 4.9 | 10.4 | B | 9.3 | | 47.4 | 17.9 | | 8.9 | | 7.3 | 6.2 | K |
| 9.1 | | 57.4 | 57.1 | K | 8.2 | | 57.1 | 3.0 | K | 9.3 | | 36.1 | 8.3 | | 8.0 | | 59.0 | 19.9 | L | 9.5 | | 11.0 | 21.8 | |
| 9.0 | 55 | 13.8 | 47.9 | K | 9.4 | 11 | 14.0 | 51.4 | | 9.5 | | 42.5 | 53.1 | | 9.1 | 41 | 14.4 | 18.9 | *a* | 9.1 | | 11.5 | 35.1 | *a* |
| 9.2 | | 26.7 | 49.4 | K | 9.3 | | 47.1 | 15.7 | | 8.0 | | 58.6 | 5.8 | K | 9.3 | | 21.9 | 36.3 | *a* | 9.5 | | 21.9 | 10.9 | |
| 9.1 | | 31.3 | 10.7 | *a* | 8.8 | | 52.4 | 38.4 | K | 9.5 | 30 | 12.4 | 11.9 | | 9.5 | | 25.1 | 4.8 | | 9.3 | | 23.7 | 44.5 | |
| 9.4 | | 34.3 | 7.7 | | 9.1 | 12 | 41.1 | 4.5 | K | 9.5 | | 15.8 | 47.7 | | 8.5 | | 49.5 | 24.8 | L | 9.3 | | 24.1 | 48.0 | |
| 9.5 | | 36.1 | 37.1 | | 9.5 | | 43.3 | 45.6 | *a* | 9.3 | | 42.4 | 43.0 | *a* | 9.5 | | 55.4 | 29.7 | | 9.0 | | 43.0 | 35.2 | |
| 9.2 | | 37.4 | 1.8 | | 8.8 | 13 | 3.3 | 9.1 | | 9.2 | | 43.6 | 32.6 | *b* | 9.5 | 42 | 18.6 | 45.5 | | 9.0 | | 43.5 | 29.5 | K |
| 8.9 | | 49.8 | 8.2 | B | 9.5 | | 27.0 | 1.0 | | 9.4 | | 44.5 | 27.6 | | 9.5 | | 40.0 | 12.4 | | 9.5 | 52 | 5.4 | 20.1 | |
| 9.5 | 56 | 4.2 | 37.7 | | 9.4 | | 44.9 | 47.4 | B | 9.2 | | 49.1 | 2.9 | *a* | 9.5 | | 52.5 | 56.0 | | 9.5 | | 8.6 | 37.1 | |
| 9.1 | | 19.4 | 56.1 | B | 8.2 | | 50.6 | 26.7 | K | 9.5 | | 54.3 | 24.0 | *a* | 9.5 | | 53.7 | 29.1 | | 9.4 | | 14.2 | 58.6 | B |
| 9.1 | | 27.6 | 38.8 | K | 9.0 | | 59.7 | 53.4 | K | 9.1 | | 55.2 | 50.1 | *a* | 9.4 | | 55.1 | 1.5 | | 9.4 | | 15.9 | 40.4 | |
| 9.3 | | 28.3 | 53.2 | | 9.1 | 14 | 42.4 | 37.0 | *a* | 9.3 | | 59.0 | 21.0 | *a* | 7.5 | 43 | 27.4 | 33.4 | L | 9.3 | | 19.0 | 41.1 | |
| 8.9 | 57 | 32.4 | 51.1 | | 7.0 | 15 | 4.6 | 28.4 | L | 9.4 | 31 | 3.6 | 59.3 | | 9.5 | | 32.8 | 54.5 | | 7.6 | | 21.0 | 58.4 | L |
| 9.2 | | 43.0 | 30.2 | K | 9.4 | | 28.4 | 19.1 | | 9.5 | | 42.4 | 21.8 | | 9.2 | | 36.0 | 18.3 | B | 8.5 | | 28.0 | 33.7 | K |
| 9.5 | | 43.5 | 12.9 | | *8.9 | | 45.9 | 46.0 | | 9.5 | | 53.9 | 40.1 | | 8.7 | | 37.0 | 38.7 | | 8.5 | | 28.5 | 35.7 | K |
| 8.5 | 58 | 45.4 | 55.6 | Kb | 9.4 | 17 | 1.4 | 36.7 | | 9.3 | 32 | 29.1 | 23.6 | | 8.6 | | 39.9 | 32.8 | B | 8.3 | | 31.6 | 31.7 | K |
| 9.5 | | 51.4 | 22.2 | B | 9.0 | | 6.6 | 26.7 | K | 8.8 | | 35.1 | 52.5 | | 9.5 | | 50.5 | 44.1 | | 9.5 | | 42.9 | 52.7 | |
| 7.5 | | 52.6 | 6.4 | K | 9.3 | | 33.7 | 27.0 | K | 9.2 | | 57.4 | 30.5 | *a* | 9.5 | 44 | 26.3 | 41.5 | | 9.0 | | 52.0 | 35.5 | K |
| 9.5 | | 58.5 | 55.9 | *a* | 9.4 | | 44.1 | 56.8 | | 8.8 | 33 | 2.9 | 44.1 | | 9.5 | | 28.9 | 32.8 | | 9.5 | 53 | 6.3 | 52.0 | |
| 9.5 | | 59.0 | 47.8 | | 8.5 | | 44.2 | 26.3 | K | 9.5 | | 22.4 | 56.7 | | 9.5 | | 40.0 | 21.7 | | 9.5 | | 8.0 | 56.2 | *a* |
| 7.9 | 59 | 25.5 | 32.5 | L | 9.2 | 18 | 5.6 | 43.9 | *a* | 9.5 | | 33.4 | 49.1 | | 9.4 | | 56.2 | 26.6 | | 9.5 | | 10.4 | 45.1 | |
| 9.5 | 0 | 3.6 | 30.1 | | 9.5 | | 28.9 | 21.1 | | 9.1 | 34 | 11.5 | 56.6 | *a* | 8.2 | 45 | 3.1 | 33.7 | K | 9.5 | | 17.2 | 11.8 | |
| 9.5 | | 57.5 | 3.5 | | 9.1 | | 29.4 | 43.9 | K | 9.0 | | 21.5 | 52.0 | | 9.5 | | 6.9 | 51.3 | | 9.0 | | 17.8 | 18.2 | |
| 9.4 | | 59.5 | 14.2 | | 9.2 | | 37.0 | 42.2 | K | 9.5 | 35 | 6.0 | 26.9 | B | 9.4 | | 7.0 | 44.5 | | 9.2 | | 48.4 | 23.2 | B |
| 9.4 | 1 | 1.3 | 16.6 | | 9.0 | 19 | 11.8 | 31.9 | R | 9.2 | | 8.8 | 45.0 | K | 9.3 | | 7.7 | 14.2 | B | 8.7 | | 48.6 | 2.5 | |
| 8.5 | | 3.6 | 38.0 | K | 6.5 | | 13.7 | 19.4 | S | 9.5 | | 9.5 | 37.9 | B | 9.5 | | 24.0 | 22.7 | | 9.5 | | 49.0 | 36.0 | |
| 9.3 | | 5.8 | 46.2 | | 9.1 | | 16.4 | 52.8 | *a* | 9.2 | | 10.3 | 57.6 | | 9.3 | | 24.0 | 55.6 | | 9.4 | 54 | 4.2 | 45.9 | |
| 9.5 | | 7.1 | 56.5 | | 9.4 | | 31.1 | 53.3 | B | 9.0 | | 12.6 | 15.7 | | 9.5 | | 47.5 | 45.7 | | 8.7 | | 31.0 | 26.6 | |
| 9.4 | | 29.9 | 34.2 | | 8.2 | | 51.7 | 37.4 | L | 9.2 | | 23.8 | 46.7 | K | 9.5 | | 53.1 | 16.3 | | 9.5 | | 39.3 | 4.1 | |
| 8.4 | 2 | 4.6 | 22.7 | | 9.0 | 20 | 0.6 | 0.6 | | 8.0 | | 33.0 | 47.4 | K | 9.5 | | 54.6 | 40.5 | | 9.5 | | 45.4 | 58.2 | |
| | | + | − | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *23.76* | *0.08* | | *10pr.* | | *23.76* | *0.16* | | *10pr.* | | *23.81* | *0.43* | | *10pr.* | | *23.87* | *0.59* | | *10pr.* | | *23.93* | *0.74* | |

| *3005 α* | | | | |
|---|---|---|---|---|
| *9.5* | *16* | *8.0* | *10.0* | *B* |

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵘ—19ᵘ | | +27° | | | 19ᵘ | | +27° | | | 19ᵘ | | +27° | | | 19ᵘ | | +27° | | | 19ᵘ | | +27° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 54 | 58.8 | 7.2 | α | 9.5 | 4 | 22.2 | 36.7 | | 9.0 | 11 | 4.8 | 6.4 | | 9.5 | 18 | 40.8 | 8.4 | | 9.3 | 30 | 3.0 | 57.3 | α |
| 9.5 | 55 | 13.2 | 54.0 | | 9.5 | | 30.0 | 43.4 | | 9.4 | | 12.6 | 37.6 | | 9.5 | | 46.0 | 48.5 | | 9.2 | | 33.6 | 54.8 | |
| 8.0 | | 23.3 | 2.3 | L | 9.5 | | 32.8 | 18.3 | | 9.5 | | 29.4 | 25.6 | | 9.3 | 19 | 1.2 | 33.5 | α | 9.3 | | 40.7 | 47.4 | α |
| 8.8 | | 42.5 | 11.1 | | 9.5 | | 35.0 | 55.2 | | 8.9 | | 42.7 | 40.2 | | 9.0 | | 3.5 | 18.2 | K | 7.8 | | 50.9 | 33.4 | K |
| 9.2 | | 43.3 | 5.7 | α | 9.4 | 5 | 4.6 | 24.1 | | 9.5 | | 48.8 | 25.1 | | 9.5 | | 12.3 | 33.1 | | 9.3 | 31 | 5.9 | 30.4 | B |
| 8.3 | | 55.4 | 54.9 | | 9.3 | | 5.6 | 48.4 | | 8.7 | | 48.9 | 36.1 | | 9.4 | | 34.3 | 49.8 | B | 8.4 | | 18.8 | 52.1 | |
| 8.4 | 56 | 0.7 | 14.7 | B | 9.2 | | 5.6 | 8.2 | K | 9.0 | | 53.9 | 34.8 | | 9.3 | | 37.4 | 53.5 | K | 9.0 | | 47.8 | 5.9 | Kb |
| 8.8 | | 3.6 | 5.6 | Kb | 9.3 | | 7.9 | 52.7 | | 9.0 | | 59.3 | 57.0 | | 9.5 | | 53.5 | 19.9 | | 9.3 | | 53.5 | 59.8 | |
| 9.5 | | 17.2 | 21.4 | | 9.5 | | 11.1 | 18.0 | | 9.4 | 12 | 1.4 | 50.7 | | 9.4 | 20 | 16.1 | 28.8 | | 9.4 | 32 | 33.8 | 20.1 | B |
| 9.3 | | 19.5 | 47.7 | B | 9.3 | | 15.3 | 43.0 | B | 9.5 | | 7.5 | 59.4 | | 9.1 | | 39.8 | 5.2 | Kb | 9.3 | | 56.0 | 45.2 | α |
| 9.2 | | 25.7 | 25.0 | | 9.5 | | 25.6 | 45.1 | | 9.2 | | 9.2 | 33.8 | α | 7.8 | | 40.1 | 1.9 | K | 9.3 | 33 | 0.6 | 45.9 | α |
| 8.8 | | 29.0 | 35.6 | | 9.3 | | 35.4 | 18.3 | | 9.4 | | 15.1 | 38.6 | | 9.3 | | 45.0 | 29.4 | | 8.7 | | 6.3 | 7.6 | K |
| 8.7 | | 29.5 | 36.2 | | 9.5 | | 38.4 | 52.0 | | 8.9 | | 19.6 | 23.3 | K | 9.3 | 21 | 4.5 | 52.4 | | 9.1 | | 32.1 | 57.3 | α |
| 9.2 | | 31.9 | 45.1 | R | 9.0 | | 41.0 | 6.5 | | 9.5 | | 29.2 | 35.0 | | 9.3 | | 14.6 | 39.1 | α | 8.5 | | 41.5 | 48.7 | K |
| 9.5 | | 47.0 | 3 8 | | 9.1 | | 49.9 | 21.8 | α | 9.3 | | 37.9 | 20.6 | | 8.8 | | 28.1 | 43.5 | | 9.5 | | 41.6 | 43.3 | |
| 9.2 | | 58.8 | 1.0 | K | 9.5 | | 55.1 | 30.6 | | 9.3 | | 39.1 | 35.0 | | 9.5 | | 56.0 | 25.2 | | 9.5 | | 49.8 | 30.5 | |
| 9.1 | 57 | 6.2 | 1.5 | K | 9.3 | | 59.0 | 42.3 | α | 9.5 | | 39.3 | 57.0 | | 8.2 | 22 | 24.1 | 37.3 | K | 8.7 | | 52.7 | 23.0 | |
| 9.3 | | 7.1 | 29.7 | | 9.1 | 6 | 4.1 | 23.1 | α | 9.3 | | 41.3 | 57.0 | | 9.2 | | 29.9 | 13.7 | B | 9.5 | | 59.3 | 29.6 | |
| 9.5 | | 19.3 | 49.4 | | 9.5 | | 9.6 | 40.7 | | 8.9 | 13 | 10.0 | 47.5 | R | 9.5 | | 31.6 | 16.9 | | 9.1 | 34 | 19.6 | 0.6 | α |
| 9.5 | | 21.1 | 19.3 | | 9.2 | | 14.9 | 56.2 | K | 6.7 | | 13.6 | 0.1 | L | 8.8 | | 39.0 | 4.1 | K | 9.4 | | 32.5 | 58.1 | |
| 9.5 | | 25.0 | 7.2 | | 9.5 | | 23.6 | 24.6 | | 9.5 | | 22.8 | 27.7 | | 9.5 | | 45.0 | 16.6 | | 8.0 | | 53.1 | 23.3 | K |
| 9.5 | | 25.5 | 9.2 | | 9.5 | | 25.8 | 24.6 | | 8.9 | | 31.7 | 17.4 | | 9.3 | | 51.5 | 21.3 | | 8.2 | 35 | 1.1 | 26.0 | K |
| 9.4 | | 40.3 | 58.2 | | 9.5 | | 40.1 | 7.9 | | 9.3 | | 32.9 | 22.4 | | 9.5 | | 55.8 | 56.3 | | 9.3 | | 11.8 | 50.0 | α |
| 9.1 | | 49.8 | 7.9 | B | 9.4 | | 44.5 | 41.6 | | 9.5 | | 46.7 | 34.8 | | 8.0 | 23 | 16.1 | 37.6 | K | 9.4 | | 18.5 | 12.0 | α |
| 8.8 | | 51.5 | 41.3 | | 8.9 | | 49.9 | 23.7 | | 9.5 | | 54.3 | 8.7 | | 9.0 | | 29.5 | 17.8 | | 9.4 | | 21.6 | 41.6 | |
| 9.1 | 58 | 3.0 | 17.3 | α | 9.1 | | 52.7 | 31.9 | α | 9.4 | 14 | 15.8 | 28.4 | | 9.3 | | 32.0 | 45.7 | | 7.7 | | 27.4 | 21.8 | K |
| 9.5 | | 16.8 | 30.9 | | 8.6 | 7 | 1.6 | 27.0 | | 9.5 | | 19.7 | 32.9 | | 9.0 | | 52.3 | 3.5 | | 9.0 | | 37.2 | 2.0 | |
| 7.4 | | 31.8 | 6.3 | K | 9.5 | | 14.5 | 44.5 | | 7.9 | | 19.9 | 38.4 | L | 9.5 | 24 | 20.6 | 54.9 | | 9.0 | | 37.3 | 2.6 | K |
| 9.0 | | 43.0 | 21.1 | | 9.5 | | 18.9 | 55.0 | | 9.3 | | 26.0 | 42.0 | | 8.9 | | 44.1 | 58.8 | B | 9.3 | | 37.8 | 35.6 | α |
| 9.3 | | 43.5 | 34.2 | | 8.7 | | 27.4 | 25.0 | | 9.3 | | 33.1 | 11.7 | | 3.0 | | 53.1 | 39.3 | S | 9.3 | | 57.0 | 36.8 | |
| 9.1 | | 45.5 | 7.7 | B | 9.5 | | 28.8 | 55.1 | | 9.3 | 15 | 2.3 | 13.6 | | 6.5 | | 54.1 | 39.6 | L | 7.1 | | 57.4 | 2.7 | K |
| 9.4 | | 47.3 | 17.4 | | 9.4 | | 32.1 | 43.5 | | 9.4 | | 17.4 | 25.3 | | 8.9 | | 58.2 | 17.4 | | 9.4 | 36 | 1.6 | 4.7 | α |
| 9.4 | | 51.1 | 9.2 | α | 9.5 | | 32.6 | 55.5 | | 9.4 | | 21.6 | 8.5 | α | 8.7 | 25 | 16.4 | 1.8 | | 9.2 | | 6.9 | 36.8 | |
| 9.3 | 59 | 5.8 | 29.3 | α | 9.3 | | 36.0 | 19.7 | | 8.9 | | 27.0 | 47.4 | | 9.0 | | 20.3 | 27.6 | | 8.8 | | 7.3 | 50.8 | |
| 7.6 | | 9.0 | 58.4 | Kb | 9.5 | | 40.3 | 59.4 | | 9.5 | | 35.2 | 33.4 | | 8.9 | | 21.2 | 38.6 | K | 9.0 | | 9.5 | 45.7 | |
| 9.5 | | 19.4 | 40.9 | | 9.2 | | 44.2 | 29.2 | | 9.5 | | 50.3 | 37.3 | | 9.2 | | 24.1 | 35.6 | B | 9.3 | | 11.8 | 6.6 | B |
| 8.8 | | 20.2 | 32.7 | | 9.1 | | 49.4 | 55.9 | b | 8.5 | | 50.6 | 9.9 | L | 9.0 | | 30.4 | 6.3 | K | 9.2 | | 17.0 | 36.0 | B |
| 9.5 | | 23.0 | 14.9 | | 8.9 | | 50.2 | 9.8 | B | 9.1 | | 59.9 | 25.0 | ab | 9.4 | | 36.0 | 40.6 | | *9.5 | | 35.4 | 53.9 | |
| 9.5 | | 44.9 | 37.1 | | 9.5 | 8 | 3.9 | 37.8 | | 9.5 | 16 | 23.1 | 55.0 | | 9.5 | | 41.9 | 49.7 | | 9.5 | | 48.4 | 20.5 | |
| 8.0 | | 47.6 | 11.4 | B | 9.5 | | 15.8 | 40.4 | | 9.5 | | 26.8 | 2.4 | | 9.5 | 26 | 1.8 | 58.1 | | 8.2 | | 52.1 | 16.1 | L |
| 8.0 | | 49.1 | 4.0 | B | 9.5 | | 16.5 | 59.2 | | 9.1 | | 37.4 | 53.6 | | 8.0 | | 16.1 | 57.9 | S | 9.5 | | 54.9 | 57.1 | |
| 9.5 | 0 | 5.5 | 28.5 | B | 8.7 | | 17.7 | 8.1 | K | 9.4 | | 44.7 | 37.6 | α | 9.5 | - | 17.9 | 5.8 | | 8.6 | | 59.1 | 42.5 | |
| 9.2 | | 13.6 | 6.1 | B | 9.2 | | 23.8 | 58.1 | | 9.4 | | 45.8 | 27.1 | α | 8.8 | | 27.8 | 15.7 | | 9.5 | 37 | 1.0 | 10.9 | |
| 9.5 | | 16.4 | 39.2 | | 8.9 | | 55.4 | 19.7 | | 9.3 | | 55.6 | 52.0 | | 9.2 | | 32.0 | 38.6 | L | 7.5 | | 4.8 | 3.7 | K |
| 9.0 | | 33.3 | 30.3 | | 9.3 | | 58.7 | 59.8 | | 9.4 | 17 | 29.8 | 30.7 | | 8.7 | | 32.6 | 36.1 | R | 8.5 | | 9.1 | 35.6 | K |
| 9.5 | | 44.3 | 3.0 | α | 9.5 | 9 | 10.7 | 33.6 | | 9.3 | | 38.1 | 38.7 | | 8.7 | | 36.9 | 6.8 | | 9.5 | | 20.0 | 1.6 | |
| 9.1 | 1 | 4.4 | 31.9 | S | 7.2 | | 10.8 | 42.2 | K | 9.0 | | 49.7 | 28.8 | | 9.5 | | 38.1 | 59.8 | | 9.2 | | 33.1 | 32.6 | B |
| 8.6 | | 9.1 | 32.4 | | 8.7 | | 46.0 | 53.5 | | 9.5 | | 49.7 | 35.5 | | 8.4 | 27 | 18.4 | 4.7 | K | 9.0 | | 34.8 | 27.9 | B |
| 9.5 | | 28.0 | 44.0 | | 9.5 | | 53.1 | 38.4 | | 8.6 | | 50.8 | 41.7 | | 9.0 | | 24.0 | 14.4 | | 8.9 | | 35.4 | 29.5 | |
| 9.3 | | 32.9 | 7.0 | | 9.2 | | 54.2 | 2.7 | | 9.5 | | 52.3 | 57.0 | | 8.5 | | 25.8 | 25.5 | K | 8.5 | | 58.0 | 59.8 | |
| 9.5 | | 34.7 | 39.4 | | 9.2 | 10 | 1.4 | 40.6 | α | 9.3 | | 58.6 | 23.6 | | 9.4 | | 59.2 | 4.0 | | 8.0 | 38 | 0.9 | 5.6 | K |
| 9.5 | | 47.6 | 55.8 | | 9.5 | | 6.1 | 39.4 | | 9.5 | | 59.0 | 40.8 | | 9.5 | | 59.8 | 30.9 | | 8.7 | | 8.6 | 22.4 | |
| 8.9 | | 48.5 | 43.2 | Kb | 7.0 | | 7.5 | 11.8 | L | 9.4 | 18 | 3.0 | 28.7 | α | 9.5 | 28 | 4.7 | 57.9 | α | 9.5 | | 21.3 | 17.7 | |
| 9.3 | 2 | 11.0 | 41.4 | | 6.2 | | 10.1 | 40.1 | K | 9.5 | | 7.9 | 18.4 | | 9.4 | | 5.3 | 10.2 | | 9.3 | | 22.4 | 40.2 | |
| 9.2 | | 28.9 | 16.7 | | 9.5 | | 16.3 | 5.7 | | 9.5 | | 9.7 | 29.7 | | 8.5 | | 30.2 | 15.1 | L | 8.8 | | 25.2 | 9.4 | K |
| 9.4 | | 47.4 | 49.3 | | 9.2 | | 26.4 | 22.1 | | 9.3 | | 12.6 | 0.4 | B | 9.2 | | 53.1 | 19.7 | | 9.2 | | 33.6 | 7.0 | K |
| 8.5 | 3 | 13.1 | 24.6 | | 9.5 | | 37.6 | 25.8 | | 9.1 | | 14.8 | 57.5 | | 8.5 | 29 | 29.4 | 32.1 | | 9.5 | | 37.0 | 43.9 | α |
| 9.4 | | 56.2 | 28.1 | | 9.5 | | 42.2 | 37.3 | | 9.3 | | 19.3 | 30.8 | α | 8.7 | | 34.2 | 35.3 | | 9.2 | | 37.9 | 50.4 | B |
| 9.4 | 4 | 5.4 | 15.5 | | 9.5 | | 50.5 | 28.5 | | 7.0 | | 33.5 | 48.4 | L | 9.4 | | 36.2 | 22.7 | | 9.2 | | 40.2 | 43.1 | α |
| 9.0 | | 6.1 | 39.0 | b | 9.5 | 11 | 2.7 | 50.8 | | 8.8 | | 39.9 | 35.4 | | 9.5 | 30 | 2.8 | 43.0 | | 9.5 | | 48.5 | 59.6 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 23.99 | 0.85 | | 10pr. | | 24.06 | 0.97 | | 10pr. | | 24.13 | 1.07 | | 10pr. | | 24.23 | 1.21 | | 10pr. | | 24.36 | 1.36 | |

| 3477 α | | | | |
|---|---|---|---|---|
| 9.5 | 36 | 18.1 | 6.5 | B |

| 3501—3560 | | | | | 3561—3620 | | | | | 3621—3680 | | | | | 3681—3740 | | | | | 3741—3800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵘ | | +27° | | | 19ᵘ—20ᵘ | | +27° | | | 20ᵘ | | +27° | | | 20ᵘ | | +27° | | | 20ᵘ | | +27° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 38 | 53.4 | 24.3 | | 9.4 | 50 | 12.1 | 19.8 | a | 8.8 | 1 | 28.9 | 18.2 | | 9.3 | 12 | 17.2 | 55.9 | | 9.5 | 21 | 31.4 | 8.0 | |
| 9.2 | 39 | 9.8 | 28.7 | a | 9.0 | | 26.1 | 53.4 | | 9.0 | | 40.2 | 59.8 | | 9.3 | | 19.1 | 14.2 | D | 9.4 | | 32.3 | 34.7 | |
| 9.2 | | 14.1 | 31.7 | a | 9.3 | | 35.0 | 18.6 | | 8.5 | 2 | 10.4 | 23.3 | K | 9.0 | | 34.9 | 56.6 | | 9.4 | | 52.3 | 4.8 | a |
| 9.3 | | 25.2 | 26.2 | a | 9.4 | | 46.3 | 5.5 | a | 8.2 | | 10.9 | 47.8 | K | 9.1 | | 35.1 | 6.0 | a | 9.5 | | 59.5 | 29.2 | B |
| 9.0 | | 30.3 | 46.2 | B | 9.5 | | 48.5 | 57.1 | | 9.5 | | 35.2 | 45.1 | | 9.2 | 13 | 8.4 | 47.3 | B | 9.5 | 22 | 3.4 | 24.2 | B |
| 9.5 | | 37.0 | 41.7 | | 8.0 | 51 | 2.6 | 25.5 | Lb | 9.3 | | 56.4 | 52.2 | | 8.3 | | 18.6 | 6.0 | K | 9.5 | | 4.0 | 2.4 | |
| 8.7 | 40 | 5.4 | 58.8 | L | 9.3 | | 35.5 | 35.8 | | 9.5 | 3 | 10.4 | 22.8 | | 9.4 | | 20.4 | 23.5 | | 8.8 | | 4.0 | 0.2 | K |
| 8.8 | | 5.7 | 52.6 | | 9.4 | | 36.4 | 55.9 | | 8.8 | | 12.4 | 13.5 | Kb | 9.3 | | 21.3 | 36.5 | a | 9.5 | | 12.5 | 51.2 | |
| 9.3 | | 12.5 | 16.3 | | 9.3 | | 40.3 | 33.1 | | 9.4 | | 28.4 | 43.1 | | 9.5 | | 27.3 | 4.1 | | 9.1 | | 15.2 | 37.2 | a |
| 9.0 | | 13.4 | 28.0 | | 9.5 | | 59.1 | 56.3 | | 8.5 | | 29.8 | 38.7 | | 9.4 | | 27.5 | 52.0 | | 9.4 | | 19.9 | 25.2 | |
| 9.4 | | 22.6 | 6.5 | | 9.3 | 52 | 28.5 | 47.2 | | 8.2 | | 42.3 | 53.9 | K | 9.2 | | 34.1 | 20.9 | a | 9.5 | | 32.5 | 32.2 | |
| 8.8 | | 45.9 | 53.5 | | 8.5 | | 35.0 | 6.9 | K | 8.9 | | 45.1 | 16.2 | | 8.8 | | 37.7 | 17.7 | | 9.0 | | 45.6 | 11.0 | |
| 8.5 | 41 | 4.3 | 41.0 | K | 9.2 | | 38.6 | 50.7 | B | 9.2 | | 51.0 | 50.1 | B | 9.2 | | 38.6 | 11.1 | a | 9.0 | | 53.3 | 24.5 | |
| 9.5 | | 25.8 | 4.3 | | 7.0 | 53 | 11.1 | 6.8 | K | 8.9 | | 54.9 | 28.2 | | 9.3 | 14 | 9.5 | 20.1 | B | 9.2 | | 53.5 | 3.3 | a |
| 9.0 | | 29.5 | 29.9 | | 9.2 | | 12.0 | 21.9 | | 9.4 | | 59.4 | 32.9 | | 9.5 | | 10.2 | 44.8 | | 8.5 | | 57.0 | 22.1 | |
| 7.2 | 42 | 8.1 | 29.9 | L | 9.2 | | 27.9 | 51.0 | a | 7.6 | 4 | 4.6 | 50.4 | K | 9.4 | | 20.2 | 23.1 | D | 7.6 | | 59.9 | 59.4 | K |
| 7.5 | | 10.4 | 20.5 | L | 9.4 | | 54.8 | 12.6 | | 9.0 | | 30.6 | 26.5 | | 8.9 | | 20.4 | 37.4 | | 7.6 | 23 | 3.4 | 52.7 | K |
| 8.4 | | 19.1 | 58.1 | L | 9.0 | 54 | 11.1 | 57.3 | | 8.5 | | 37.0 | 17.1 | | 9.5 | | 38.7 | 39.6 | | 9.0 | | 4.5 | 2.2 | |
| 9.5 | | 25.3 | 32.6 | a | 9.0 | | 17.6 | 34.9 | B | 9.5 | | 48.7 | 30.0 | a | 8.2 | | 39.9 | 18.6 | K | 9.5 | | 23.5 | 12.2 | |
| 9.5 | | 37.0 | 11.7 | | 9.5 | | 19.7 | 6.0 | | 8.8 | 5 | 7.1 | 45.8 | | 9.3 | | 56.9 | 4.2 | B | 8.8 | | 27.9 | 47.8 | |
| 9.5 | 43 | 3.7 | 59.1 | | 9.5 | | 36.8 | 20.8 | | 9.2 | | 8.1 | 16.1 | | 8.6 | 15 | 4.0 | 1.0 | | 8.6 | | 40.7 | 31.8 | B |
| 8.0 | | 10.4 | 49.4 | B | 9.0 | | 37.9 | 31.0 | | 8.7 | | 36.0 | 0.9 | B | 9.2 | | 4.1 | 11.3 | | 9.5 | | 47.1 | 56.5 | |
| 7.0 | | 12.5 | 22.5 | K | 9.2 | | 43.4 | 20.8 | a | 9.5 | | 37.7 | 10.9 | a | 8.1 | | 7.4 | 3.4 | Kb | 9.4 | | 47.5 | 32.9 | |
| 9.4 | | 15.9 | 50.3 | a | 8.9 | | 47.5 | 58.2 | | 9.5 | | 46.9 | 33.0 | | 8.5 | | 14.7 | 39.6 | | 9.4 | 24 | 7.1 | 6.5 | |
| 9.5 | | 17.6 | 48.1 | | 9.5 | | 50.0 | 4.2 | | 9.5 | | 47.1 | 45.8 | a | 8.4 | | 31.5 | 42.1 | | 8.0 | | 8.9 | 23.1 | K |
| 9.1 | | 20.8 | 4.1 | ab | 9.2 | 55 | 5.3 | 37.3 | | 9.5 | | 56.6 | 15.8 | | 8.5 | | 37.1 | 55.4 | K | 9.5 | | 11.4 | 32.5 | |
| 9.3 | | 24.2 | 44.8 | B | 5.0 | | 8.3 | 21.1 | Kb | 9.4 | | 57.9 | 10.5 | B | 9.4 | | 42.4 | 23.3 | a | 9.2 | | 19.6 | 17.1 | B |
| 8.9 | | 30.7 | 51.9 | | 9.3 | | 15.9 | 21.9 | B | 9.5 | 6 | 16.6 | 57.9 | | 9.0 | 16 | 5.9 | 8.5 | | 7.3 | | 19.6 | 20.9 | K |
| 9.5 | | 54.9 | 48.0 | | 9.4 | | 32.0 | 40.1 | | 8.5 | | 44.3 | 38.4 | K | 9.4 | | 18.2 | 48.6 | a | 9.3 | | 22.2 | 37.3 | B |
| 9.2 | 44 | 3.0 | 19.8 | | 9.5 | 56 | 16.8 | 19.4 | | 9.5 | | 45.0 | 0.2 | | 9.5 | | 27.6 | 46.7 | B | 9.5 | | 27.5 | 2.3 | a |
| 8.8 | | 29.7 | 37.1 | | 8.7 | | 17.3 | 14.2 | K | 9.5 | 7 | 18.6 | 51.0 | | 8.0 | | 36.5 | 46.9 | B | 9.2 | | 28.7 | 59.8 | a |
| 8.8 | | 50.1 | 18.5 | K | 9.4 | | 43.6 | 40.9 | | 8.3 | | 36.2 | 31.6 | B | 9.0 | | 44.6 | 1.8 | | 9.4 | | 30.3 | 35.9 | B |
| 9.5 | 45 | 4.9 | 53.3 | a | 7.6 | 57 | 3.2 | 54.7 | K | 8.0 | | 39.2 | 5.8 | L | 9.5 | 17 | 1.1 | 19.8 | D | 8.3 | | 40.9 | 28.1 | K |
| 7.8 | | 9.4 | 20.4 | K | 8.8 | | 16.8 | 24.1 | | 9.5 | | 48.5 | 55.6 | | 9.5 | | 37.6 | 5.5 | | 9.3 | | 41.2 | 44.9 | |
| 9.0 | | 31.5 | 22.7 | K | 8.8 | | 25.6 | 1.4 | B | 8.8 | | 58.1 | 16.4 | | 9.3 | 18 | 5.8 | 38.8 | a | 8.7 | | 43.9 | 48.1 | |
| 7.9 | | 33.9 | 5.2 | K | 9.3 | | 27.4 | 4.7 | a | 9.5 | 8 | 17.8 | 29.3 | | 9.3 | | 7.1 | 54.6 | a | 9.3 | 25 | 44.9 | 29.2 | B |
| 9.5 | 46 | 2.5 | 32.9 | | 9.5 | | 30.9 | 56.1 | | 9.2 | | 37.5 | 6.5 | | 9.5 | | 21.0 | 16.9 | | 9.5 | | 54.6 | 11.2 | |
| 9.3 | | 7.6 | 35.4 | | 8.6 | | 59.1 | 6.0 | K | 9.4 | | 41.2 | 46.1 | | 9.0 | | 22.4 | 33.2 | | 9.5 | | 59.1 | 35.5 | |
| 8.5 | | 10.1 | 44.3 | | 9.4 | 58 | 20.7 | 59.6 | | 9.4 | | 44.0 | 54.7 | | 9.5 | | 30.9 | 53.0 | a | 9.5 | 26 | 0.0 | 39.9 | a |
| 9.1 | | 11.9 | 4.4 | ab | 9.5 | | 22.5 | 12.7 | | 9.4 | | 44.6 | 41.1 | | 8.8 | | 41.5 | 12.4 | | 8.3 | | 21.2 | 1.3 | K |
| 8.6 | | 15.7 | 3.6 | K | 9.5 | | 45.5 | 56.6 | | 9.5 | | 59.0 | 36.7 | | 9.2 | 19 | 12.5 | 36.6 | a | 9.4 | | 57.7 | 33.7 | B |
| 8.6 | | 16.2 | 4.6 | K | 9.3 | | 48.7 | 29.9 | | 9.0 | 9 | 14.9 | 8.3 | | 9.2 | | 13.2 | 3.2 | a | 9.5 | | 58.2 | 28.2 | a |
| 7.1 | | 22.1 | 52.9 | L | 9.0 | 59 | 0.8 | 48.2 | | 9.0 | | 21.0 | 5.8 | B | 9.4 | | 13.5 | 11.9 | B | 9.1 | 27 | 17.3 | 59.2 | ab |
| 8.5 | | 58.9 | 58.0 | L | 9.2 | | 3.7 | 29.7 | a | 9.0 | | 22.9 | 8.0 | | 9.5 | | 22.6 | 20.8 | a | 9.5 | | 20.3 | 54.0 | |
| 9.0 | 47 | 22.0 | 30.2 | | 9.0 | | 4.3 | 22.7 | | 9.3 | | 31.4 | 58.4 | B | 9.5 | | 31.0 | 58.0 | B | 9.2 | | 34.1 | 19.4 | a |
| 7.7 | | 22.5 | 42.8 | L | 9.5 | | 23.9 | 57.9 | | 4.8 | | 45.5 | 22.3 | Kb | 9.5 | | 31.6 | 20.8 | a | 9.4 | | 38.8 | 27.8 | B |
| 9.5 | | 33.4 | 24.7 | a | 8.1 | | 25.8 | 0.4 | Kb | 9.5 | 10 | 0.7 | 10.7 | | 9.2 | | 45.2 | 7.3 | K | 8.3 | | 39.9 | 37.9 | L |
| 9.4 | | 43.7 | 43.1 | a | 9.0 | | 33.4 | 26.5 | B | 7.1 | | 25.6 | 20.6 | L | 9.5 | | 47.2 | 25.0 | a | 7.8 | | 40.4 | 22.8 | K |
| 9.3 | | 48.6 | 42.5 | B | 9.5 | | 40.8 | 30.7 | | 9.5 | | 37.7 | 39.4 | | 9.3 | | 50.5 | 12.4 | | 9.5 | | 46.0 | 59.1 | |
| 9.0 | 48 | 12.8 | 57.8 | | 9.4 | | 42.3 | 53.5 | | 9.5 | | 39.6 | 8.0 | | 9.5 | | 52.8 | 0.1 | a | 9.5 | | 53.9 | 0.2 | |
| 9.4 | | 19.9 | 49.6 | | 9.5 | | 46.8 | 58.6 | | 9.0 | | 39.6 | 2.2 | | 9.0 | 20 | 16.8 | 48.5 | | 9.5 | 28 | 3.4 | 0.0 | |
| 9.5 | | 37.8 | 4.9 | | 7.8 | | 50.4 | 43.1 | K | 9.5 | | 50.0 | 18.9 | | 9.1 | | 26.6 | 29.1 | B | 9.1 | | 8.7 | 39.6 | a |
| 9.5 | | 42.1 | 58.0 | a | 8.3 | 0 | 10.4 | 42.6 | K | 9.4 | 11 | 4.2 | 55.0 | a | 8.7 | | 43.6 | 35.4 | | 9.4 | | 16.4 | 32.4 | a |
| 9.5 | | 42.7 | 33.1 | | 9.5 | | 22.1 | 47.5 | | 9.4 | | 5.0 | 46.6 | | 9.4 | 21 | 3.4 | 35.5 | | 9.3 | | 25.1 | 10.2 | a |
| 9.3 | 49 | 11.1 | 48.0 | a | 9.5 | | 23.5 | 59.6 | | 9.3 | | 31.9 | 37.8 | a | 9.5 | | 6.0 | 22.3 | | 9.4 | | 26.5 | 47.0 | |
| 9.2 | | 17.2 | 23.8 | a | 9.0 | | 23.6 | 26.0 | L | 8.9 | | 34.7 | 39.8 | | 9.4 | | 10.7 | 32.3 | a | 8.5 | | 29.6 | 36.1 | B |
| 9.1 | | 19.5 | 24.9 | Bb | 9.5 | | 32.1 | 1.3 | | 8.8 | 12 | 2.4 | 3.1 | | 9.3 | | 11.4 | 52.7 | a | 9.3 | | 59.1 | 55.2 | |
| 8.9 | | 24.3 | 44.2 | B | 9.5 | | 35.1 | 50.3 | B | 9.3 | | 2.5 | 51.7 | a | 8.5 | | 16.6 | 51.0 | | 9.5 | | 59.9 | 47.2 | |
| 9.4 | | 46.9 | 50.7 | a | 8.2 | | 38.0 | 22.0 | L | 9.4 | | 2.9 | 8.2 | a | 8.6 | | 30.3 | 34.5 | | 8.2 | 29 | 5.7 | 54.6 | K |
| 9.1 | | 57.5 | 46.3 | a | 9.5 | 1 | 25.0 | 7.8 | | 9.2 | | 10.7 | 10.5 | a | 9.5 | | 30.5 | 22.3 | | 8.2 | | 22.8 | 9.0 | Kb |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 24.47 | 1.47 | | 10pr. | | 24.63 | 1.62 | | 10pr. | | 24.80 | 1.76 | | 10pr. | | 24.96 | 1.88 | | 10pr. | | 25.10 | 1.97 | |

| 3801—3860 | | | | | 3861—3920 | | | | | 3921—3980 | | | | | 3981—4040 | | | | | 4041—4100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ˢ | | +27° | | | 20ˢ | | +27° | | | 20ˢ—21ˢ | | +27° | | | 21ˢ | | +27° | | | 21ˢ | | +27° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 29 | 35.3 | 23.8 | | 9.5 | 40 | 11.9 | 8.8 | | 9.2 | 49 | 20.8 | 56.8 | B | 9.2 | 1 | 17.8 | 59.0 | a | 9.5 | 13 | 17.7 | 33.2 | |
| 9.5 | | 42.0 | 46.5 | | 9.3 | | 19.8 | 17.7 | a | 9.3 | | 31.6 | 22.3 | B | 8.8 | | 20.3 | 4.3 | | 8.5 | | 25.7 | 11.9 | L |
| 9.0 | | 49.5 | 12.4 | | 9.5 | | 26.8 | 38.4 | | 9.5 | | 40.6 | 30.7 | | 9.5 | | 55.0 | 46.3 | a | 9.4 | | 56.3 | 49.3 | a |
| 9.5 | | 59.2 | 34.9 | | 9.4 | | 34.0 | 47.0 | | 7.2 | | 49.6 | 1.6 | K | 9.3 | 2 | 51.4 | 13.4 | a | 8.2 | 14 | 16.7 | 6.6 | K |
| 9.4 | 30 | 11.4 | 9.8 | | 8.3 | | 41.1 | 35.6 | | 9.5 | | 52.9 | 21.5 | | 9.4 | | 54.0 | 21.6 | | 9.2 | | 38.6 | 44.3 | B |
| 9.2 | | 19.4 | 13.2 | B | 9.1 | | 55.5 | 36.7 | a | 9.5 | | 57.8 | 14.5 | a | 8.9 | 3 | 14.1 | 45.3 | | 9.5 | | 44.7 | 16.5 | a |
| 9.0 | | 25.1 | 40.8 | | 9.0 | 41 | 21.6 | 2.6 | B | 9.1 | 50 | 15.6 | 45.8 | ab | 9.1 | | 38.8 | 4.1 | ab | 9.4 | | 47.3 | 43.3 | a |
| 9.4 | | 36.3 | 8.1 | B | 7.0 | | 42.8 | 3.9 | B | 9.5 | | 39.7 | 30.0 | | 9.5 | | 45.4 | 42.3 | a | 9.5 | 15 | 3.1 | 16.3 | |
| 9.0 | | 43.6 | 26.6 | | 9.5 | | 48.6 | 40.6 | B | 9.5 | | 59.0 | 2.0 | | 9.5 | | 51.5 | 57.6 | | 8.2 | | 16.1 | 57.3 | K |
| 9.5 | | 43.6 | 52.1 | B | 9.3 | | 58.8 | 9.8 | a | 9.5 | 51 | 0.5 | 22.6 | | 9.4 | 4 | 3.0 | 12.7 | a | 9.5 | 16 | 14.4 | 3.8 | B |
| 9.5 | 31 | 9.5 | 31.7 | a | 8.2 | | 58.8 | 21.2 | | 9.5 | | 13.1 | 59.9 | | 9.4 | | 16.3 | 53.2 | a | 9.5 | | 21.5 | 53.7 | |
| 9.2 | | 15.5 | 51.5 | a | 9.0 | 42 | 3.2 | 5.4 | | 9.4 | | 23.9 | 27.7 | a | 9.3 | | 17.2 | 28.4 | a | 9.5 | | 49.0 | 47.4 | |
| 9.0 | | 26.0 | 17.2 | R | 7.9 | | 9.4 | 42.6 | K | 9.4 | | 39.4 | 7.9 | a | 9.2 | | 20.3 | 29.5 | B | 9.5 | 17 | 2.6 | 50.5 | a |
| 9.3 | 32 | 7.9 | 8.7 | a | 9.4 | | 33.2 | 1.5 | B | 8.5 | 52 | 9.4 | 42.3 | | 8.7 | | 44.2 | 44.5 | | 9.0 | | 17.2 | 23.2 | b |
| 9.4 | | 26.7 | 30.0 | a | 9.1 | | 37.1 | 8.4 | B | 9.5 | | 40.8 | 9.7 | | 8.7 | | 44.7 | 49.4 | | 9.0 | | 19.3 | 53.6 | B |
| 9.5 | | 34.0 | 46.4 | a | 9.2 | | 48.0 | 37.2 | a | 9.5 | | 46.2 | 54.4 | a | 9.5 | | 55.6 | 1.6 | | 8.3 | | 30.9 | 50.6 | K |
| 9.5 | | 34.4 | 38.4 | | 9.2 | | 58.6 | 8.0 | B | 9.5 | 53 | 19.6 | 6.3 | | 9.5 | 5 | 1.3 | 4.3 | | 9.4 | | 51.6 | 49.6 | |
| 9.3 | | 35.7 | 41.6 | B | 9.3 | 43 | 4.8 | 58.9 | | 9.4 | | 23.3 | 58.9 | | 9.5 | | 22.6 | 8.8 | | 9.5 | 18 | 15.0 | 50.2 | a |
| 9.5 | | 59.4 | 13.8 | | 9.2 | | 17.3 | 34.0 | a | 9.2 | 54 | 4.1 | 30.6 | ab | 9.5 | | 35.3 | 20.4 | | 9.3 | | 31.5 | 18.7 | a |
| 8.0 | 33 | 23.2 | 34.8 | Lb | 9.0 | | 19.9 | 8.8 | | 9.5 | | 15.2 | 25.1 | a | 9.4 | | 47.4 | 10.9 | a | 9.5 | | 58.8 | 58.3 | |
| 9.0 | | 29.0 | 47.1 | | 9.5 | | 25.4 | 47.3 | | 9.4 | | 52.4 | 31.6 | B | 9.5 | | 55.0 | 16.9 | | 9.4 | 19 | 58.9 | 13.6 | a |
| 9.4 | | 43.8 | 29.9 | B | 9.5 | | 32.9 | 47.5 | | 9.5 | | 52.4 | 30.9 | a | 9.5 | 6 | 2.9 | 30.1 | | 9.5 | 20 | 15.5 | 19.1 | a |
| 9.5 | | 44.7 | 33.1 | | 9.4 | | 51.3 | 58.5 | a | 9.4 | 55 | 11.6 | 32.2 | | 8.4 | | 15.1 | 45.1 | | 9.5 | | 20.8 | 45.4 | a |
| 9.5 | | 50.2 | 29.0 | | 9.5 | | 57.9 | 57.5 | | 9.0 | | 12.7 | 54.2 | | 9.4 | | 35.1 | 35.8 | | 9.4 | | 35.3 | 23.7 | a |
| 9.5 | 34 | 41.8 | 34.1 | | 9.5 | 44 | 1.0 | 47.1 | | 9.4 | | 15.1 | 55.4 | a | 9.5 | | 39.0 | 10.3 | | 8.9 | 21 | 3.2 | 24.0 | |
| 9.5 | | 44.1 | 55.8 | | 9.4 | | 22.8 | 14.0 | a | 7.6 | | 29.0 | 31.9 | L | 8.1 | | 42.2 | 58.3 | K | 8.0 | | 8.1 | 14.6 | K |
| 9.5 | | 58.6 | 20.1 | | 9.5 | | 33.1 | 55.2 | | 9.4 | | 29.3 | 53.6 | a | 8.1 | | 42.9 | 33.7 | L | 9.4 | | 16.8 | 54.8 | a |
| 9.4 | 35 | 0.0 | 25.1 | B | 9.4 | | 40.5 | 6.3 | | 9.5 | 56 | 2.4 | 8.5 | | 9.4 | 7 | 35.3 | 2.9 | | 9.1 | | 43.5 | 26.1 | a |
| 8.4 | | 12.4 | 8.3 | Lb | 9.5 | 45 | 9.1 | 7.6 | | 9.5 | | 2.5 | 22.3 | | 9.3 | | 42.6 | 31.2 | a | 9.5 | | 44.6 | 33.0 | |
| 9.5 | | 14.1 | 36.2 | | var | | 19.4 | 42.3 | K | 9.5 | | 8.1 | 45.1 | B | 9.3 | | 43.7 | 34.9 | a | 9.5 | 22 | 0.4 | 12.0 | |
| 9.5 | | 27.2 | 10.3 | | 9.3 | | 22.1 | 45.3 | a | 8.8 | | 8.6 | 40.3 | L | 9.5 | | 51.9 | 53.1 | | 9.5 | | 2.6 | 40.9 | |
| 8.2 | | 38.1 | 45.6 | K | 9.5 | | 31.2 | 34.4 | | 7.5 | | 12.4 | 13.6 | K | 9.1 | 8 | 14.0 | 49.9 | a | 9.5 | | 4.0 | 31.5 | |
| 9.0 | | 38.5 | 41.9 | | 9.5 | | 36.5 | 31.4 | | 7.7 | | 38.2 | 45.0 | K | 9.3 | | 16.3 | 1.7 | a | 9.5 | | 28.6 | 27.5 | a |
| 9.3 | | 42.8 | 29.1 | | 9.4 | | 38.8 | 13.9 | | 9.1 | 57 | 3.8 | 24.3 | b | 8.4 | | 17.4 | 34.1 | K | 9.3 | | 30.3 | 22.7 | a |
| 9.5 | 36 | 3.1 | 36.3 | B | 9.5 | | 49.8 | 38.6 | | 9.5 | | 6.4 | 48.3 | | 9.3 | | 28.5 | 10.8 | a | 9.2 | | 53.4 | 21.7 | b |
| 8.6 | | 19.3 | 14.3 | K | 9.5 | | 53.7 | 29.5 | | 9.5 | | 25.9 | 8.0 | | 9.5 | | 43.0 | 54.5 | | 6.8 | | 55.1 | 57.4 | L |
| 9.4 | | 23.5 | 41.3 | | 8.8 | | 56.0 | 12.2 | | 9.5 | | 59.1 | 16.6 | | 9.1 | | 44.5 | 19.7 | a | 9.4 | 23 | 11.1 | 56.0 | |
| 9.3 | | 44.3 | 24.0 | | 9.3 | 46 | 25.9 | 57.6 | | 9.3 | 58 | 6.0 | 52.0 | a | 9.2 | | 50.7 | 31.2 | a | 9.5 | | 23.3 | 37.0 | B |
| 9.4 | | 47.0 | 2.0 | | 9.5 | | 26.9 | 42.0 | B | 8.7 | | 20.3 | 43.8 | K | 9.5 | | 53.2 | 43.2 | a | 9.5 | | 24.4 | 23.7 | |
| 9.4 | | 57.1 | 55.7 | | 9.5 | | 56.4 | 39.3 | | 9.3 | | 21.6 | 21.6 | a | 9.3 | | 56.5 | 16.9 | a | 9.5 | | 31.6 | 58.7 | |
| 9.5 | 37 | 16.0 | 47.0 | | 9.3 | | 58.3 | 33.6 | a | 9.1 | | 25.3 | 33.4 | ab | 8.9 | 9 | 4.9 | 32.5 | K | 9.5 | | 32.5 | 41.0 | |
| 9.5 | | 32.3 | 40.4 | | 9.5 | 47 | 0.8 | 4.5 | | 9.4 | | 40.1 | 36.4 | a | 9.4 | | 11.8 | 49.4 | R | 9.2 | | 40.0 | 3.6 | a |
| 9.0 | | 34.7 | 0.6 | | 9.0 | | 25.8 | 11.8 | B | 9.0 | | 47.2 | 57.9 | B | 8.1 | | 19.8 | 23.7 | K | 9.5 | 24 | 13.1 | 22.5 | a |
| 9.3 | 38 | 8.1 | 16.4 | a | 9.5 | | 26.8 | 14.7 | | 9.4 | | 52.3 | 33.9 | | 9.5 | 10 | 4.1 | 3.1 | | 9.5 | | 19.2 | 14.9 | a |
| 9.5 | | 16.6 | 21.1 | | 8.8 | | 33.7 | 10.7 | K | 9.5 | 59 | 15.0 | 25.2 | | 9.5 | | 30.6 | 40.0 | | 8.6 | | 45.9 | 44.2 | K |
| 9.2 | | 21.9 | 8.0 | a | 9.3 | | 48.9 | 13.2 | | 9.5 | | 18.9 | 20.3 | | 9.5 | | 40.1 | 54.5 | | 9.5 | | 47.4 | 53.8 | B |
| 9.1 | | 24.3 | 0.2 | a | 9.0 | 48 | 6.0 | 34.8 | | 9.5 | | 28.8 | 9.0 | | 9.3 | | 46.7 | 35.0 | a | 9.1 | | 53.0 | 41.5 | a |
| 9.2 | | 35.5 | 12.0 | ab | 9.4 | | 7.1 | 6.3 | | 9.4 | | 50.1 | 26.3 | a | 9.5 | | 48.7 | 33.5 | B | 9.1 | 25 | 19.2 | 14.8 | ab |
| 9.4 | | 40.0 | 7.6 | | 7.0 | | 13.2 | 58.3 | B | 9.5 | | 56.4 | 25.4 | | 9.5 | | 52.0 | 46.7 | a | 9.5 | | 22.0 | 28.0 | |
| 8.8 | | 42.3 | 53.7 | | 9.0 | | 14.0 | 30.9 | B | 8.6 | 0 | 5.7 | 50.0 | L | 9.5 | | 52.5 | 7.1 | a | 9.2 | | 43.9 | 28.5 | a |
| * | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.5 | 39 | 1.7 | 49.5 | | 5.3 | | 23.7 | 30.0 | L | 9.4 | | 17.5 | 27.5 | | 9.2 | | 56.9 | 36.8 | Kb | 9.3 | | 56.6 | 41.8 | a |
| 9.5 | | 4.7 | 20.6 | | 9.3 | | 28.7 | 39.6 | R | 9.2 | | 21.3 | 53.2 | a | 9.5 | 11 | 7.5 | 49.0 | a | 9.2 | | 59.1 | 17.5 | |
| 9.2 | | 22.5 | 36.9 | a | 9.3 | | 30.6 | 30.7 | B | 9.4 | | 29.2 | 39.6 | | 9.4 | | 15.0 | 28.6 | a | 9.5 | 26 | 4.7 | 55.3 | B |
| 9.2 | | 25.4 | 32.5 | a | 9.4 | | 36.5 | 22.2 | | 9.1 | | 35.0 | 7.7 | ab | 9.5 | | 16.0 | 18.9 | a | 9.5 | | 20.3 | 56.3 | a |
| 9.5 | | 37.4 | 23.6 | | 8.0 | | 50.9 | 32.4 | K | 9.5 | | 37.7 | 59.7 | | 9.5 | | 19.2 | 15.0 | | 9.2 | | 27.6 | 41.5 | a |
| 9.3 | | 43.0 | 32.0 | a | 9.3 | | 53.8 | 35.0 | B | 9.3 | | 55.7 | 46.4 | a | 9.5 | | 48.6 | 17.2 | | 9.2 | | 34.0 | 22.7 | a |
| 9.5 | | 43.8 | 18.9 | | 9.4 | 49 | 1.7 | 39.3 | | 9.2 | | 56.9 | 56.6 | a | 9.5 | 12 | 14.7 | 12.4 | a | 9.5 | 27 | 18.6 | 39.6 | |
| 9.3 | 40 | 0.5 | 56.8 | B | 9.4 | | 5.5 | 7.5 | | 9.2 | | 59.4 | 48.0 | B | 9.5 | | 25.2 | 59.3 | | 9.5 | | 24.1 | 4.8 | a |
| 9.3 | | 0.6 | 21.1 | a | 9.5 | | 14.1 | 6.8 | | 9.5 | 1 | 14.6 | 31.1 | a | 9.2 | | 43.2 | 59.1 | ab | 9.4 | | 27.2 | 31.9 | a |
| 9.3 | | 10.4 | 18.2 | B | 9.5 | | 14.6 | 58.3 | | 9.5 | | 17.3 | 33.7 | a | 9.4 | 13 | 15.1 | 7.2 | a | 9.5 | | 33.8 | 8.4 | a |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 25.30 | 2.09 | | 10pr. | | 25.50 | 2.21 | | 10pr. | | 25.72 | 2.32 | | 10pr. | | 25.97 | 2.44 | | 10pr. | | 26.30 | 2.58 | |

| 3850 a | | | | |
|---|---|---|---|---|
| 9.7 | 38 | 59.2 | 33.2 | B |

| 4101—4160 | | | | | 4161—4220 | | | | | 4221—4280 | | | | | 4281—4340 | | | | | 4341—4400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ʰ | | +27° | | | 21ʰ | | +27° | | | 21ʰ—22ʰ | | +27° | | | 22ʰ | | +27° | | | 22ʰ | | +27° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | |
| 9.5 | 27 | 53.1 | | 25.1 | 9.0 | 40 | 9.6 | | 47.6 | 9.5 | 53 | 11.3 | | 56.6 | 9.5 | 7 | 9.4 | | 24.2 | a | 9.3 | 26 | 58.0 | | 34.1 | B |
| 9.5 | | 53.1 | | 37.7 | 9.3 | | 12.8 | | 23.0 | a | 9.5 | | 16.3 | | 9.3 | B | 9.4 | | 27.2 | | 8.4 | | 9.0 | | 59.4 | | 54.3 | |
| 9.5 | 28 | 23.6 | | 50.0 | a | 8.4 | | 49.9 | | 25.0 | | 9.5 | | 36.9 | | 3.0 | | 9.4 | | 28.6 | | 59.8 | | 8.7 | 27 | 1.8 | | 35.5 | R |
| 9.0 | | 25.4 | | 38.3 | | 8.4 | | 59.2 | | 54.3 | K | 8.5 | | 43.2 | | 54.3 | B | 8.8 | | 38.0 | | 38.3 | | 9.5 | | 53.3 | | 43.0 | |
| 9.5 | | 36.0 | | 9.7 | | 9.1 | 41 | 12.8 | | 35.6 | Bb | 9.5 | | 47.4 | | 43 7 | | 8.5 | 8 | 17.2 | | 52.1 | | 9.5 | 28 | 4.1 | | 28.3 | |
| 9.0 | | 39.7 | | 48.5 | | 8.4 | | 30.2 | | 58.6 | K | 9.5 | | 53.9 | | 46.2 | B | 9.4 | | 59.6 | | 6.2 | a | 9.0 | | 7.3 | | 20.5 | |
| 6.7 | | 53.2 | | 33.9 | K | 9.5 | | 33.7 | | 38.9 | B | 9.5 | | 58.5 | | 18.9 | | 9.4 | 9 | 18.0 | | 24.5 | a | 9.5 | | 31.8 | | 8.0 | |
| 8.7 | | 56.1 | | 22.0 | | 9.5 | | 38.5 | | 2.7 | | 8.2 | 54 | 18.9 | | 21.7 | K | 6.6 | | 50.8 | | 4.7 | K | 9.4 | | 45.1 | | 50.2 | |
| 9.5 | 29 | 3.1 | | 48.4 | | 9.5 | 42 | 0.0 | | 53.7 | a | 9.5 | | 25.5 | | 26 9 | | 9.0 | 10 | 2.8 | | 9.0 | | 9.4 | 29 | 0.3 | | 25.3 | |
| 8.8 | | 18.7 | | 37.1 | K | 9.5 | | 18.4 | | 43.2 | | 9.5 | | 44.4 | | 9.4 | a | 8.8 | | 40.9 | | 22.8 | K | 9.5 | | 28.0 | | 34.7 | |
| 9.1 | | 25.0 | | 44.4 | a | 9.5 | | 50.0 | | 47.8 | | 9.4 | | 48.3 | | 19.3 | a | 9.5 | 11 | 54.6 | | 41.5 | a | 7.5 | | 49.1 | | 1.8 | K |
| 9.3 | | 25.8 | | 2.4 | a | 9.3 | | 50.1 | | 26.7 | | 9.4 | | 48.9 | | 4.8 | | 9.4 | | 58.9 | | 42.1 | B | 9.3 | | 49.4 | | 0.1 | B |
| 9.3 | | 39.6 | | 18.0 | a | 9.2 | | 50.6 | | 19.3 | | 9.3 | | 50.7 | | 8.0 | a | 9.5 | 12 | 23.9 | | 13.0 | | 8.7 | | 53.9 | | 50.9 | |
| 9.5 | | 42.9 | | 25.7 | | 9.5 | | 54.6 | | 29.4 | a | 9.0 | | 59.4 | | 9.8 | B | 9.0 | | 29.7 | | 59.8 | | 9.3 | 30 | 4.1 | | 38.0 | |
| 9.3 | | 52.5 | | 43.4 | a | 9.3 | | 55.4 | | 2.3 | | 8.5 | 55 | 8.2 | | 32.8 | | 8.9 | 13 | 7.9 | | 32.9 | Rb | 9.2 | | 4.6 | | 18.4 | |
| 9.4 | 30 | 24.6 | | 22.5 | | 9.5 | 43 | 13.3 | | 26.5 | | 9.3 | | 16.4 | | 58.5 | | 9.2 | | 17.5 | | 43.8 | B | 8.6 | | 17.5 | | 37.6 | B |
| 8.7 | | 27.3 | | 17.2 | | 9.0 | | 16.4 | | 9.4 | | 9.5 | | 41.9 | | 41.7 | B | 9.2 | | 55.3 | | 17.0 | a | 9.2 | | 24.1 | | 44.1 | |
| 9.2 | 31 | 8.7 | | 20.8 | a | 9.3 | | 46.6 | | 13.0 | a | 9.3 | | 49.3 | | 22.3 | | 9.0 | | 57.7 | | 27.0 | R | 9.5 | | 37.3 | | 3.8 | |
| 9.4 | | 24.6 | | 56.3 | | 9.3 | | 55.0 | | 56.3 | a | 9.2 | | 57.6 | | 2.1 | a | 5.0 | 14 | 38.0 | | 36.6 | Kb | 9.5 | | 47.7 | | 56.8 | |
| 9.4 | | 28.8 | | 4.0 | | 9.4 | 44 | 4.1 | | 33.1 | | 9.5 | 56 | 3.1 | | 58.4 | | 9.0 | 15 | 2.8 | | 32.0 | | 8.7 | | 51.9 | | 9.7 | R |
| 8.3 | | 50.0 | | 16.0 | L | 9.4 | | 31.4 | | 52.7 | a | 8.7 | . | 13.0 | | 49.3 | L | 9.2 | | 40.0 | | 15.7 | | 9.4 | | 52.2 | | 37.3 | |
| 8.5 | 32 | 4.3 | | 2.1 | Kb | 9.5 | 45 | 9.5 | | 42.6 | | 9.4 | | 53.6 | | 29.8 | | 8.8 | | 46.7 | | 30.6 | | 8.4 | 31 | 39.9 | | 47.4 | K |
| 9.5 | | 10.0 | | 38.8 | a | 9.5 | | 29.2 | | 27.5 | | 7.7 | 57 | 25.6 | | 38.7 | K | 9.4 | 16 | 15.6 | | 3.8 | | 9.5 | | 40.8 | | 28.7 | |
| 9.5 | | 18.0 | | 16.8 | | 8.6 | | 37.3 | | 6.3 | L | 9.4 | | 37.0 | | 16.7 | a | 9.4 | | 51.5 | | 47.1 | a | 9.4 | | 48.8 | | 31.7 | B |
| 9.5 | | 32.4 | | 47.0 | a | 9.0 | | 44.8 | | 14.1 | | 9.3 | | 45.7 | | 51.6 | Rb | 9.1 | | 56.4 | | 17.4 | Bb | 8.5 | 32 | 12.2 | | 25.0 | B |
| 9.2 | | 56.3 | | 10.5 | a | *8.8 | | 55.0 | | 23.2 | | 9.5 | | 47.5 | | 38.0 | | 9.5 | | 59.0 | | 21.9 | B | 9.5 | | 12.3 | | 24.0 | a |
| 9.5 | 33 | 28.6 | | 27.2 | | *9.5 | 46 | 56.1 | | 59.0 | | 9.4 | 58 | 15.5 | | 16.7 | | 9.4 | 17 | 12.6 | | 23.4 | a | 9.3 | | 16.5 | | 59.1 | a |
| 8.8 | | 32.2 | | 33.9 | | 9.5 | 47 | 3.3 | | 4.4 | a | 9.5 | | 24.0 | | 50.7 | | 9.5 | | 15.0 | | 26.9 | | 9.5 | | 18.6 | | 2.9 | |
| 9.5 | | 38.7 | | 9.2 | B | 9.4 | | 13.3 | | 54.0 | | 9.5 | | 24.8 | | 2.6 | a | 9.5 | | 15.3 | | 2.4 | a | 9.5 | | 39.3 | | 56.4 | |
| 9.3 | | 55.9 | | 13.3 | a | 9.5 | | 13.9 | | 25.4 | | 9.3 | | 26.3 | | 40.8 | B | 9.2 | | 18.4 | | 57.6 | a | 9.5 | | 45.7 | | 34.2 | |
| 8.7 | | 56.8 | | 43.0 | | 6.8 | | 26.2 | | 39.8 | B | 9.0 | | 50.4 | | 24.5 | | 9.1 | | 44.5 | | 20.0 | R | 8.9 | | 46.7 | | 36.9 | |
| 8.5 | 34 | 25.4 | | 24.8 | | 9.3 | 48 | 2.2 | | 52.1 | B | 8.0 | 59 | 18.7 | | 16.5 | K | 9.5 | | 47.2 | | 4.8 | | 9.1 | | 58.6 | | 53.9 | b |
| 8.9 | | 47.9 | | 14.6 | | 9.1 | | 3.2 | | 40.4 | | 9.2 | | 18.9 | | 20.9 | a | 9.5 | | 51.3 | | 46.5 | a | 9.4 | 33 | 2.2 | | 5.5 | |
| 9.5 | | 48.6 | | 1.4 | | 9.5 | | 6.2 | | 57.3 | | 9.5 | | 33.5 | | 29.2 | | 9.2 | 18 | 1.1 | | 34.6 | a | 9.1 | | 16.8 | | 26.0 | a |
| 9.5 | | 48.7 | | 59.0 | | 9.5 | | 23.2 | | 37.9 | B | 8.2 | 0 | 10.7 | | 37.8 | | 8.2 | | 6.4 | | 56.6 | K | 9.5 | | 20.1 | | 55.1 | |
| 9.5 | | 49.4 | | 18.6 | B | 9.5 | | 25.8 | | 47.5 | B | 8.7 | | 23.2 | | 13.6 | | 9.4 | | 53.8 | | 53.4 | | 7.9 | | 37.6 | | 27.2 | K |
| 9.3 | 35 | 29.2 | | 15.1 | a | 9.5 | | 33.7 | | 15.2 | a | 9.3 | | 44.8 | | 11.2 | a | 7.5 | 19 | 24.4 | | 47.5 | K | 9.5 | | 52.1 | | 10.7 | |
| 9.0 | | 47.0 | | 39.8 | | 9.2 | | 42.6 | | 19.2 | Bb | 8.9 | | 49.5 | | 43.4 | | 9.1 | | 38.2 | | 41.9 | | 9.4 | 34 | 7.9 | | 52.2 | |
| 8.8 | | 47.8 | | 46.0 | K | 9.2 | | 44.1 | | 53.6 | B | 9.5 | | 51.3 | | 2.1 | | 8.8 | | 51.7 | | 2.3 | K | 9.3 | | 17.1 | | 47.0 | |
| 9.5 | 36 | 20.4 | | 14.8 | | 9.4 | | 52.4 | | 49.6 | | 8.8 | | 59.0 | | 33.4 | | 9.5 | 20 | 6.4 | | 4.2 | | 8.9 | | 31.6 | | 58.6 | |
| 9.1 | | 20.9 | | 7.2 | a | 9.3 | 49 | 4.8 | | 43.5 | a | 9.3 | 1 | 10.8 | | 25.2 | a | 9.1 | | 30.5 | | 27.8 | R | 9.2 | | 34.1 | | 3.0 | |
| 9.1 | | 54.6 | | 25.3 | a | 9.5 | | 16.1 | | 26.7 | B | 8.5 | | 28.4 | | 33.7 | | 9.5 | | 42.9 | | 4.7 | Rb | 8.6 | | 52.0 | | 17.8 | |
| 9.5 | 37 | 9.7 | | 30.0 | | 9.4 | | 18.4 | | 49.9 | a | 9.0 | | 45.3 | | 20.2 | B | 8.5 | | 50.1 | | 30.6 | R | 9.5 | 35 | 23.4 | | 44.0 | |
| 8.5 | | 22.6 | | 18.1 | K | 9.4 | | 20.8 | | 56.2 | a | 9.5 | | 55.6 | | 33.6 | | 9.4 | 21 | 12.3 | | 3.8 | a | 9.2 | | 24.5 | | 20.5 | |
| 8.0 | | 27.0 | | 11.8 | K | 9.5 | | 26.0 | | 58.2 | | 8.6 | 2 | 0.6 | | 26.0 | | 8.9 | | 48.5 | | 24.3 | B | 9.5 | | 28.5 | | 49.6 | |
| 9.4 | | 49.7 | | 47.1 | a | 9.4 | | 33.1 | | 53.7 | B | 9.0 | | 16.2 | | 48.3 | | 9.4 | 22 | 1.6 | | 18.3 | | 9.5 | | 48.1 | | 54.2 | |
| 9.5 | | 56.1 | | 53.4 | B | 9.4 | | 39.9 | | 39.2 | a | 9.2 | | 21.8 | | 22.5 | a | 9.4 | | 19.3 | | 10.0 | | 9.3 | 36 | 6.8 | | 52.7 | |
| 9.2 | | 57.7 | | 1.8 | K | 9.3 | 50 | 4.4 | | 25.1 | a | 9.0 | | 27.6 | | 29.8 | | 9.0 | | 44.1 | | 34.3 | K | 7.8 | | 8.1 | | 13.9 | K |
| 9.4 | 38 | 21.1 | | 7.1 | a | 9.2 | | 4.8 | | 45.5 | ab | 9.3 | | 30.6 | | 30.7 | | 9.2 | | 55.7 | | 3.8 | | 8.6 | | 8.9 | | 24.0 | |
| 9.4 | | 22.0 | | 14.1 | | 8.3 | | 35.0 | | 18.7 | K | 9.0 | | 36.5 | | 21.2 | | 9.3 | 23 | 23.3 | | 4.7 | | 9.3 | | 15.5 | | 47.0 | |
| 8.7 | | 40.0 | | 46.2 | | 8.8 | | 40.8 | | 19.4 | B | 9.0 | 3 | 1.5 | | 38.4 | | 8.0 | | 41.6 | | 41.9 | L | 9.3 | | 21.0 | | 58.6 | |
| 9.0 | | 48.4 | | 12.9 | B | 9.5 | | 53.5 | | 38.4 | | 9.2 | | 11.4 | | 40.2 | a | 8.5 | | 54.6 | | 24.3 | L | 9.1 | | 35.7 | | 1.8 | |
| 9.4 | | 57.5 | | 45.4 | B | 9.0 | 51 | 12.7 | | 13.8 | | 9.5 | | 23.7 | | 54.2 | | 9.0 | | 59.7 | | 47.6 | | 9.5 | | 56.3 | | 48.0 | |
| 9.3 | 39 | 7.7 | | 23.9 | a | 9.4 | | 24.7 | | 7.9 | a | 9.3 | | 43.9 | | 35.9 | B | 9.4 | 24 | 7.4 | | 53.7 | | 9.5 | 37 | 1.1 | | 31.7 | |
| 9.5 | | 12.5 | | 18.9 | | 9.5 | | 47.2 | | 13.5 | a | 8.5 | | 48.0 | | 25.9 | | 9.2 | | 19.3 | | 46.8 | | 9.1 | | 19.5 | | 54.8 | Bb |
| 8.4 | | 23.1 | | 57.2 | B | 9.5 | 52 | 1.3 | | 20.7 | | 7.2 | 4 | 36.9 | | 1.1 | L | 8.6 | | 40.4 | | 14.7 | R | 9.3 | | 45.7 | | 59.3 | |
| 9.5 | | 38.6 | | 41.7 | a | 9.0 | | 22.3 | | 19.9 | | 9.5 | | 47.5 | | 15.4 | | 9.0 | 25 | 12.0 | | 16.6 | | 8.7 | 38 | 36.0 | | 20.3 | |
| 9.5 | | 45.1 | | 36.2 | | 9.5 | | 32.1 | | 20.3 | | 8.5 | | 52.7 | | 34.3 | | 9.0 | 26 | 8.6 | | 45.8 | | 9.0 | | 37.1 | | 9.2 | |
| 9.4 | | 53.1 | | 56.4 | | 8.5 | | 41.1 | | 57.6 | B | 8.5 | | 56.0 | | 49.3 | K | 9.0 | | 47.1 | | 11.9 | | 9.4 | | 45.2 | | 7.0 | |
| 8.5 | 40 | 1.2 | | 6.4 | | 8.4 | 53 | 2.5 | | 26.9 | | 6.4 | 6 | 59.9 | | 53.7 | Kb | 8.9 | | 54.1 | | 2.5 | | 9.5 | 39 | 4.3 | | 54.6 | |
| 10pr. | | 26.58 | | 2.69 | 10pr. | | 26.91 | | 2.80 | 10pr. | | 27.21 | | 2.88 | 10pr. | | 27.71 | | 3.01 | 10pr. | | 28.14 | | 3.10 | |

| 4186 a | | | | |
|---|---|---|---|---|
| 9.6 | 46 | 13.8 | 51.0 | B |

| m | 22ᵘ | +27° | | m | 22ᵘ—23ᵘ | +27° | | m | 23ᵘ | +27° | | m | 23ᵘ | +27° | | m | 23ᵘ | +27° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **4401—4456** | | | | **4457—4512** | | | | **4513—4568** | | | | **4569—4624** | | | | **4625—4680** | | |
| 9.3 | 39′ 8.″4 | 54.′4 | B | 9.4 | 5ı′ 51.″3 | 47.′4 | | 9.5 | 6′ 13.″5 | 1.′8 | | 9.5 | 25′ 34.″5 | 54.′1 | | 7.5 | 41′ 16.″6 | 33.′5 | K |
| 9.2 | 26.7 | 35.1 | | 9.5 | 56.6 | 55.9 | | 9.3 | 15.1 | 33.2 | | 9.5 | 55.4 | 22.1 | | 9.1 | 22.2 | 14.8 | *a* |
| 9.4 | 26.9 | 51.9 | *a* | 9.5 | 52 10.8 | 0.7 | *B* | 8.8 | 42.0 | 48.0 | K | 9.0 | 26 6.8 | 8.6 | K | 9.3 | 39.9 | 51.0 | *a* |
| 9.5 | 33.8 | 8.9 | | 9.4 | 19.9 | 58.6 | | 9.3 | 47.4 | 29.7 | | 9.2 | 45.0 | 46.5 | | 9.2 | 42 50.1 | 50.1 | |
| 8.6 | 40 2.9 | 45.3 | K | 9.3 | 55.5 | 2.0 | | 7.0 | 7 52.5 | 17.3 | K | 9.5 | 27 10.9 | 13.5 | | 9.3 | 43 19.7 | 16.5 | |
| 9.5 | 24.4 | 35.4 | | 8.8 | 53 1.0 | 21.8 | | 9.5 | 8 1.8 | 2.4 | | 8.3 | 14.4 | 9.7 | K | 8.8 | 30.0 | 4.1 | K |
| 8.6 | 31.0 | 29.7 | Rb | 9.5 | 1.0 | 58.6 | | 9.5 | 10.4 | 1.8 | | 9.5 | 16.6 | 54.5 | | 9.0 | 44 7.3 | 58.0 | |
| 9.5 | 46.5 | 32.2 | | 9.4 | 10.4 | 47.5 | | 9.3 | 16.3 | 28.3 | | 9.5 | 28 10.1 | 50.7 | | 9.5 | 15.1 | 38.3 | |
| 9.4 | 47.6 | 8.2 | | 9.5 | 35.7 | 2.5 | | 6.5 | 42.1 | 27.9 | Kb | 9.5 | 11.5 | 32.0 | | 8.3 | 53.7 | 45.5 | K |
| 9.5 | 47.7 | 46.9 | | 9.5 | 38.0 | 25.6 | | 9.5 | 41.8 | 37.3 | | 9.1 | 15.2 | 12.4 | L | 9.0 | 45 4.1 | 53.8 | Kb |
| 9.5 | 41 0.1 | 15.4 | | 9.0 | 41.5 | 27.3 | | 8.2 | 58.9 | 25.1 | K | 7.3 | 43.0 | 3.6 | *B* | 9.5 | 24.2 | 16.6 | *a* |
| 9.5 | 37.9 | 55.0 | | 9.5 | 56.4 | 32.8 | | 9.3 | 9 8.8 | 57.2 | | 9.4 | 52.4 | 21.0 | | 9.5 | 46 7.0 | 2.0 | |
| 8.1 | 38.1 | 21.6 | K | 9.5 | 54 9.5 | 10.8 | | 9.3 | 9.1 | 31.1 | | 9.5 | 29 38.8 | 31.7 | | 9.5 | 13.4 | 21.4 | |
| 8.5 | 40.7 | 57.9 | K | 9.0 | 10.9 | 0.7 | | 8.0 | 10 12.6 | 49.9 | K | 9.0 | 56.9 | 33.4 | B | 9.5 | 17.5 | 47.3 | *a* |
| 9.2 | 50.9 | 39.8 | Bb | 8.2 | 24.5 | 55.7 | K | 9.0 | 30.9 | 37.6 | | 9.5 | 30 13.0 | 55.8 | | 9.1 | 36.8 | 39.0 | |
| 9.5 | 50.6 | 14.9 | | 9.5 | 43.8 | 16.7 | | 8.5 | 44.2 | 13.9 | | 9.5 | 20.7 | 45.9 | | 8.7 | 47 12.4 | 3.6 | *B* |
| 9.4 | 57.0 | 57.4 | | 9.5 | 47.0 | 34.9 | | 9.5 | 12 37.8 | 16.9 | *a* | 9.3 | 41.3 | 41.3 | | 9.5 | 31.9 | 26.2 | |
| 9.5 | 57.8 | 32.1 | B | 9.5 | 55 26.9 | 30.8 | | 8.5 | 45.6 | 56.4 | B | 9.5 | 31 13.2 | 57.2 | | 7.0 | 36.5 | 50.6 | L |
| 9.5 | 42 19.0 | 28.1 | | 9.0 | 27.7 | 26.6 | | 9.5 | 13 5.4 | 5.8 | *a* | 9.5 | 15.5 | 8.9 | | 9.5 | 48 16.8 | 3.7 | |
| 9.5 | 27.0 | 15.2 | | 9.5 | 56 5.6 | 8.5 | *a* | 8.8 | 9.3 | 0.9 | K | 6.8 | 32 15.0 | 26.2 | K | 9.3 | 35.5 | 43.4 | |
| 9.4 | 34.7 | 50.9 | | 9.5 | 15.0 | 54.5 | | 8.7 | 28.0 | 39.3 | L | 9.1 | 23.2 | 13.1 | *a* | 9.5 | 36.7 | 53.8 | |
| 9.5 | 43 16.1 | 58.3 | | 9.4 | 22.7 | 47.5 | | 8.8 | 48.1 | 17.2 | K | 9.5 | 31.7 | 47.6 | | 9.0 | 38.4 | 48.2 | |
| 9.4 | 24.7 | 58.1 | | 9.4 | 41.1 | 8.5 | B | 9.4 | 14 1.0 | 26.2 | *a* | 9.5 | 40.4 | 10.7 | | 9.0 | 38.8 | 26.1 | |
| 9.5 | 39.2 | 56.9 | | var | 44.9 | 17.8 | K | 9.4 | 15.2 | 25.5 | *a* | 9.5 | 53.4 | 17.6 | | 9.0 | 49 2.0 | 53.5 | |
| 9.5 | 44 16.6 | 24.1 | | 9.5 | 57 6.2 | 39.1 | B | 9.2 | 15.2 | 43.0 | *a* | 8.3 | 33 25.3 | 5.0 | K | 9.5 | 3.2 | 29.0 | |
| 8.7 | 35.4 | 13.7 | K | 9.5 | 6.7 | 50.1 | | 6.6 | 57.5 | 54.5 | K | 9.0 | 55.9 | 58.7 | L | 9.1 | 46.0 | 45.6 | *a* |
| 9.4 | 46.7 | 28.5 | | 9.5 | 11.5 | 35.1 | D | 9.5 | 15 9.0 | 30.3 | | 9.4 | 34 9.7 | 29.6 | | 9.5 | 50.5 | 27.5 | |
| 9.5 | 45 18.0 | 47.8 | | 8.7 | 15.8 | 1.8 | | 8.5 | 15.2 | 19.7 | | 9.5 | 21.3 | 19.1 | | 9.0 | 51.5 | 36.9 | K |
| 9.4 | 31.1 | 32.8 | | 9.0 | 37.7 | 41.4 | | 9.0 | 48.7 | 14.5 | Rb | 9.3 | 27.3 | 14.6 | B | 8.9 | 50 27.1 | 33.1 | K |
| 9.4 | 47.3 | 59.4 | | 9.3 | 58 4.5 | 58.4 | | 9.3 | 55.1 | 23.3 | B | 9.2 | 30.5 | 51.2 | *a* | 9.5 | 31.9 | 58.4 | |
| 9.5 | 56.3 | 43.8 | | 8.3 | 6.4 | 25.9 | K | 9.3 | 16 55.2 | 32.8 | | 9.5 | 48.3 | 32.4 | | 8.4 | 41.5 | 51.3 | L |
| 9.2 | 46 12.1 | 35.4 | *b* | 8.8 | 11.4 | 33.5 | K | 8.0 | 17 2.7 | 32.8 | K | 8.6 | 35 2.7 | 30.3 | L | 9.5 | 56.2 | 7.1 | |
| 9.4 | 34.4 | 8.3 | | 9.5 | 21.3 | 6.7 | | 9.5 | 54.9 | 56.1 | | 8.7 | 10.8 | 54.1 | K | 9.5 | 52 4.2 | 16.5 | |
| 7.5 | 54.6 | 51.5 | K | 9.5 | 36.8 | 33.5 | *a* | 9.5 | 18 10.8 | 40.0 | *a* | 9.5 | 29.9 | 13.8 | | 8.9 | 21.2 | 48.3 | |
| 9.2 | 47 4.2 | 13.5 | B | 9.5 | 59 36.5 | 36.3 | | 8.6 | 12.5 | 23.8 | K | 9.3 | 42.7 | 50.8 | K | 9.4 | 59.7 | 0.3 | |
| 7.7 | 16.8 | 14.9 | K | 9.5 | 57.9 | 35.6 | | 9.5 | 13.3 | 56.3 | | 9.4 | 44.4 | 5.4 | | 9.4 | 53 3.0 | 2.6 | |
| 9.4 | 17.9 | 22.8 | | 9.5 | 0 22.4 | 16.7 | | 9.5 | 32.0 | 50.0 | | 9.2 | 50.9 | 1.1 | B | 8.9 | 4.0 | 52.4 | L |
| 9.0 | 26.6 | 2.9 | | 9.4 | 27.0 | 1.6 | B | 8.5 | 59.2 | 59.8 | K | 8.5 | 36 27.0 | 39.6 | K | 9.4 | 27.0 | 26.4 | B |
| 9.3 | 27.0 | 33.1 | | 9.3 | 30.5 | 33.2 | | 9.5 | 19 14.1 | 15.6 | *a* | 9.3 | 31.2 | 27.2 | B | 9.0 | 34.0 | 4.8 | B |
| 9.2 | 40.8 | 1.1 | | 9.5 | 31.4 | 0.8 | | 9.5 | 22.3 | 23.8 | | 9.5 | 42.2 | 42.0 | | 7.0 | 54 10.8 | 37.5 | K |
| 9.4 | 56.5 | 2.4 | | 9.5 | 1 35.6 | 1.6 | | 9.3 | 40.2 | 18.6 | *a* | 9.5 | 45.5 | 4.6 | | 9.5 | 17.5 | 21.7 | *a* |
| 7.4 | 59.7 | 14.3 | K | 9.5 | 40.0 | 13.5 | | 9.5 | 43.1 | 10.3 | | 9.5 | 37 8.6 | 2.0 | | 8.5 | 53.2 | 23.1 | K |
| 9.5 | 48 26.9 | 12.7 | | 9.5 | 2 1.5 | 32.9 | *a* | 9.2 | 20 5.0 | 2.0 | *ab* | 9.3 | 37.4 | 10.7 | | 8.0 | 55 15.7 | 44.5 | L |
| 9.4 | 49 30.5 | 41.4 | | 9.0 | 14.9 | 48.4 | | 9.5 | 21 28.0 | 29.3 | *a* | 9.4 | 47.3 | 0.6 | | 9.3 | 23.8 | 56.4 | |
| 9.2 | 50 7.4 | 13.8 | | 8.3 | 47.6 | 12.9 | K | 9.5 | 38.5 | 8.2 | *a* | 9.5 | 38 9.2 | 43.8 | | 8.1 | 26.0 | 26.2 | K |
| 9.5 | 18.1 | 42.9 | | 9.3 | 54.0 | 9.7 | *a* | 9.2 | 39.6 | 51.7 | K | 7.5 | 30.7 | 22.7 | L | 8.4 | 56 26.7 | 10.4 | K |
| 9.5 | 21.9 | 33.8 | B | 9.2 | 55.4 | 46.9 | B | 9.5 | 55.2 | 28.6 | | 9.5 | 44.8 | 34.1 | | 9.3 | 59.4 | 32.4 | |
| 9.3 | 22.4 | 11.2 | *a* | 8.9 | 3 6.6 | 46.8 | B | 9.5 | 59.4 | 55.2 | | 9.5 | 54.5 | 10.3 | | 9.5 | 57 40.1 | 47.3 | |
| 9.2 | 24.6 | 51.7 | | 8.0 | 4 3.9 | 46.0 | K | 9.1 | 22 55.7 | 40.7 | *b* | 7.1 | 39 9.1 | 53.8 | Kb | 8.8 | 55.4 | 44.8 | K |
| 9.4 | 33.0 | 59.1 | B | 8.3 | 41.0 | 10.5 | | 9.5 | 23 42.2 | 12.4 | | 9.0 | 11.8 | 24.8 | | 7.0 | 58 35.2 | 27.6 | K |
| 9.1 | 36.6 | 11.3 | B | 9.5 | 5 3.2 | 57.5 | | 9.3 | 24 0.1 | 18.6 | | 7.0 | 35.7 | 37.2 | S | 9.2 | 59 0.0 | 4.2 | *a* |
| 9.3 | 37.5 | 8.0 | | 9.2 | 22.1 | 4.1 | | 9.5 | 2.4 | 25.5 | | 9.5 | 55.5 | 20.5 | | 7.2 | 8.7 | 44.8 | K |
| 9.5 | 51 10.4 | 22.4 | | 9.0 | 27.5 | 30.1 | | 9.2 | 4.0 | 8.2 | | 8.0 | 40 27.7 | 34.9 | K | 9.5 | 27.2 | 26.5 | |
| 9.1 | 11.2 | 17.7 | *a* | 9.5 | 36.0 | 7.6 | B | 6.0 | 18.3 | 52.1 | K | 8.7 | 39.1 | 48.3 | L | 9.5 | 30.1 | 17.2 | |
| 8.9 | 12.7 | 41.0 | | 9.1 | 38.1 | 48.3 | K | 9.3 | 25.8 | 24.9 | | 9.1 | 40.5 | 10.7 | *a* | 9.5 | 32.9 | 0.1 | |
| 9.5 | 35.5 | 13.1 | | 9.5 | 40.0 | 19.4 | *b* | 6.3 | 32.2 | 35.6 | K | 9.5 | 54.3 | 27.1 | B | 8.8 | 56.7 | 54.0 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10pr.* | *28.50* | *3.17* | | *10pr.* | *28.85* | *3.22* | | *10pr.* | *29.38* | *3.28* | | *10pr.* | *29.94* | *3.32* | | *10pr.* | *30.41* | *3.34* | |

# Zone +28°

| 1—40 | | | | 41—80 | | | | 81.—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ᵘ | | +28° | | 0ᵘ | | +28° | | 0ᵘ | | +28° | | 0ᵘ | | +28° | | 0ᵘ—1ᵘ | | +28° | |
| m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 9.3 | 0 | 0.9 | 43.1 | 9.0 | 13 | 22.6 | 52.8 | 9.5 | 23 | 36.0 | 13.8 | 8.5 | 37 | 53.1 | 23.2 | K | 9.4 | 50 | 53.0 | 36.1 | |
| 9.4 | | 24.7 | 47.3 | 9.5 | | 25.7 | 53.7 | *a* | 9.0 | 24 | 27.8 | 6.6 | 8.5 | | 54.9 | 40.9 | | 8.8 | | 57.9 | 30.0 | |
| 8.5 | | 48.0 | 55.9 | 8.8 | | 36.9 | 5.4 | *Kb* | 9.5 | | 28.4 | 47.0 | *a* | 9.5 | 38 | 5.3 | 5.2 | B | 9.3 | 52 | 15.6 | 28.7 | *a* |
| 2.0 | | 55.4 | 18.4 | K | 9.4 | 14 | 0.5 | 37.9 | 8.9 | | 30.1 | 43.4 | B | 9.0 | | 36.9 | 30.5 | K | 9.4 | | 27.7 | 55.8 | *a* |
| 9.2 | 1 | 49.5 | 52.5 | | 9.5 | | 4.8 | 5.8 | *a* | 8.9 | | 50.4 | 9.2 | K | 9.3 | | 39.9 | 36.0 | | 9.3 | | 54.3 | 27.6 | |
| 9.5 | 2 | 36.6 | 56.2 | | 9.5 | | 19.5 | 39.3 | | 9.4 | 25 | 3.5 | 23.1 | *a* | 9.3 | 39 | 25.2 | 51.4 | | 8.7 | 53 | 9.1 | 13.5 | *Kb* |
| 9.5 | | 51.6 | 23.4 | | 9.5 | | 23.2 | 14.0 | | 8.5 | | 13.7 | 49.5 | R | 9.5 | | 41.0 | 20.4 | | 9.4 | | 11.3 | 14.8 | B |
| 9.5 | | 53.2 | 57.4 | | 9.5 | | 23.7 | 33.5 | | 9.5 | | 21.4 | 3.7 | | 9.0 | | 46.4 | 43.3 | K | 9.3 | 54 | 39.3 | 29.3 | *b* |
| 9.3 | 3 | 2.2 | 9.4 | *a* | 7.5 | 15 | 15.8 | 39.5 | *Lb* | 8.7 | 26 | 5.6 | 3.6 | K | 8.8 | | 52.3 | 0.1 | L | 9.2 | | 58.6 | 54.5 | *a* |
| 9.3 | | 27.8 | 20.5 | *a* | 9.4 | | 28.1 | 29.3 | | 9.5 | | 21.3 | 15.8 | | 9.0 | | 56.4 | 11.8 | *b* | 9.3 | 55 | 33.3 | 13.5 | *a* |
| 8.5 | | 32.3 | 45.8 | K | 9.0 | | 31.2 | 24.3 | K | 9.2 | | 44.4 | 7.8 | *Kb* | 9.5 | 42 | 25.5 | 55.3 | | 8.5 | | 47.9 | 43.4 | L |
| 9.1 | | 54.0 | 32.7 | *a* | 9.5 | | 37.8 | 15.0 | | 9.4 | 27 | 29.1 | 7.3 | | 9.0 | | 53.3 | 27.0 | B | 9.5 | | 56.2 | 47.6 | |
| 8.8 | | 57.4 | 48.2 | K | 9.0 | 16 | 6.2 | 51.6 | | 9.0 | | 41.0 | 31.9 | | 9.1 | | 53.5 | 55.6 | B | 9.3 | 56 | 23.7 | 46.1 | B |
| 9.5 | 4 | 12.2 | 5.1 | | 9.0 | | 8.1 | 35.8 | B | 9.4 | | 47.9 | 4.8 | B | 8.8 | | 53.7 | 50.3 | K | 6.5 | | 32.6 | 53.8 | L |
| 9.0 | | 34.6 | 14.0 | | 8.8 | | 16.0 | 41.5 | K | 8.5 | 28 | 10.8 | 26.3 | K | 9.2 | 43 | 11.4 | 55.6 | B | 8.5 | | 39.9 | 57.0 | L |
| 9.0 | | 37.0 | 50.7 | | 8.5 | | 17.8 | 42.0 | K | 8.5 | | 14.0 | 17.3 | K | 9.4 | | 13.7 | 12.6 | *a* | 9.3 | 57 | 5.6 | 47.9 | |
| 8.6 | | 55.4 | 46.6 | | 9.5 | | 23.2 | 12.9 | | 9.3 | | 24.4 | 43.0 | *a* | 8.9 | | 16.0 | 40.0 | B | 9.1 | | 19.6 | 46.6 | |
| 9.0 | 5 | 1.8 | 23.3 | | 8.9 | | 25.8 | 39.6 | K | 9.1 | | 57.5 | 47.5 | *a* | 9.3 | | 18.3 | 5.0 | *a* | 9.3 | 58 | 11.6 | 13.5 | |
| 8.7 | | 30.0 | 35.5 | K | 9.4 | | 59.8 | 34.2 | B | 9.0 | 29 | 2.1 | 23.7 | K | 9.0 | 44 | 30.8 | 48.9 | | 8.0 | | 43.6 | 54.8 | L |
| 9.5 | | 58.0 | 21.1 | *a* | 9.5 | 17 | 5.1 | 46.4 | | 9.4 | | 47.7 | 26.3 | *a* | 9.5 | | 47.8 | 50.3 | *a* | 9.5 | | 58.5 | 42.1 | |
| 9.5 | 6 | 9.5 | 29.2 | *a* | 9.1 | 18 | 5.7 | 30.3 | *a* | 9.3 | 30 | 3.0 | 25.6 | *a* | 8.8 | 45 | 4.5 | 17.2 | K | 9.3 | 59 | 5.7 | 37.2 | |
| 9.5 | | 33.2 | 16.4 | *a* | 9.5 | | 22.1 | 54.2 | | 9.0 | | 56.3 | 19.4 | K | 9.5 | | 34.4 | 45.0 | | 8.8 | | 14.6 | 13.5 | |
| 8.8 | 7 | 42.4 | 57.6 | K | 7.9 | | 27.9 | 8.4 | L | 4.5 | | 56.5 | 31.1 | K | 7.6 | | 48.4 | 18.0 | K | 9.5 | | 49.0 | 12.5 | *a* |
| 9.5 | | 48.0 | 11.9 | *a* | 9.5 | | 46.7 | 57.0 | | 9.3 | 31 | 6.4 | 21.1 | | 7.5 | | 51.0 | 42.9 | K | 9.1 | 0 | 3.1 | 35.5 | *ab* |
| 9.5 | | 58.1 | 46.1 | *a* | 9.1 | | 53.8 | 35.5 | *ab* | 9.4 | 32 | 4.5 | 32.4 | B | 9.5 | 46 | 29.0 | 46.5 | | 9.2 | | 8.5 | 9.5 | K |
| 9.5 | 8 | 18.0 | 39.2 | *a* | 9.5 | 19 | 4.2 | 3.1 | | 9.0 | | 15.9 | 34.6 | K | 9.4 | | 38.3 | 3.4 | | 9.3 | | 9.4 | 17.3 | *a* |
| 9.3 | | 18.4 | 59.6 | *a* | 9.3 | | 19.5 | 40.3 | *a* | 8.8 | 33 | 3.1 | 2.7 | | 9.5 | | 42.5 | 36.1 | | 7.3 | | 21.9 | 6.2 | K |
| 9.4 | | 51.9 | 26.4 | | 8.7 | | 28.1 | 15.6 | K | 8.6 | | 33 | 51.8 | K | 9.3 | | 46.0 | 45.8 | | 9.5 | | 42.1 | 0.7 | |
| 8.5 | 9 | 1.7 | 28.9 | K | 9.3 | 20 | 16.6 | 29.5 | B | 9.4 | 34 | 32.1 | 25.9 | *a* | 8.5 | | 58.5 | 11.5 | R | 9.5 | | 46.0 | 41.3 | |
| 9.4 | | 2.2 | 29.4 | *a* | 9.3 | 21 | 32.2 | 1.9 | | 9.1 | | 34.4 | 31.1 | *Kb* | 9.1 | 47 | 3.4 | 7.8 | | 9.0 | | 56.1 | 24.5 | K |
| 9.4 | | 3.7 | 32.0 | *a* | 8.6 | | 33.6 | 46.2 | | 9.5 | | 44.7 | 48.5 | | 9.3 | | 18.5 | 38.5 | | 9.5 | 1 | 43.1 | 46.9 | |
| 9.4 | | 7.5 | 26.5 | *a* | 7.6 | | 43.2 | 1.2 | K | 9.3 | 35 | 2.7 | 35.6 | *a* | 9.3 | | 57.9 | 37.6 | *a* | 9.5 | 2 | 32.6 | 5.3 | |
| 9.5 | | 16.4 | 33.2 | | 9.5 | | 55.0 | 14.6 | | 9.5 | | 53.6 | 59.2 | *a* | 8.5 | 48 | 14.8 | 59.1 | | 9.3 | | 41.2 | 21.1 | |
| 9.5 | | 20.4 | 38.5 | | 9.5 | 22 | 26.5 | 27.3 | B | 8.8 | 36 | 25.4 | 25.3 | K | 8.6 | | 26.9 | 23.8 | K | 9.3 | 3 | 33.4 | 34.5 | *a* |
| 9.0 | | 21.7 | 35.1 | | 5.9 | | 30.4 | 57.1 | *Kb* | 9.5 | | 28.5 | 46.8 | | 8.3 | | 50.6 | 0.0 | K | 9.4 | 4 | 6.0 | 33.6 | B |
| 9.5 | | 37.6 | 44.5 | | 9.5 | | 41.0 | 0.4 | | 9.5 | | 53.0 | 31.1 | *a* | 9.0 | | 56.3 | 19.4 | K | 9.5 | | 14.5 | 33.8 | |
| 9.5 | 11 | 36.2 | 53.8 | *a* | 9.5 | | 57.3 | 10.8 | | 9.1 | 37 | 20.0 | 33.1 | *a* | 6.0 | 49 | 59.6 | 12.8 | *Kb* | 8.5 | | 20.2 | 8.3 | K |
| 9.5 | | 37.9 | 33.0 | *a* | 9.0 | 23 | 2.3 | 48.0 | | 9.3 | | 31.4 | 15.6 | *a* | 9.5 | 50 | 1.0 | 59.0 | B | 9.5 | | 25.3 | 55.3 | B |
| 9.5 | 12 | 18.2 | 7.6 | *a* | 9.4 | | 14.1 | 7.7 | | 8.3 | | 42.8 | 55.8 | K | 8.3 | | 3.9 | 44.5 | K | 9.1 | | 41.6 | 44.1 | K |
| 9.5 | | 25.7 | 18.5 | *a* | 8.3 | | 16.2 | 45.8 | K | 9.2 | | 52.4 | 32.1 | K | 8.8 | | 7.6 | 20.6 | | 9.5 | | 43.9 | 48.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *30.92* | *3.34* | | *10pr.* | | *31.28* | *3.33* | | *10pr.* | | *31.67* | *3.31* | | *10pr.* | | *32.13* | *3.28* | | *10pr.* | | *32.57* | *3.23* | |

201—260

| m | 1ˢ | +28° | |
|---|---|---|---|
| 9.4 | 4′ 46.9″ | 20.6′ | B |
| 8.7 | 5 12.9 | 56.8 | L |
| 9.5 | 24.9 | 14.9 | |
| 7.3 | 34.8 | 58.2 | K |
| 9.0 | 6 1.6 | 49.7 | K |
| 9.3 | 10.6 | 13.9 | |
| 9.3 | 14.5 | 27.3 | |
| 9.5 | 7 11.7 | 28.1 | |
| 9.3 | 48.6 | 18.0 | *b* |
| 9.4 | 8 1.6 | 11.9 | B |
| 9.3 | 51.8 | 43.5 | |
| 9.3 | 9 44.2 | 57.5 | |
| 8.8 | 57.3 | 43.1 | |
| 9.0 | 10 22.6 | 49.3 | |
| 9.2 | 32.2 | 9.8 | |
| 9.3 | 52.6 | 45.1 | |
| 9.3 | 55.6 | 21.5 | |
| 8.5 | 11 0.0 | 13.2 | K |
| 8.4 | 17.3 | 26.9 | K |
| 9.5 | 30.4 | 8.4 | |
| 9.5 | 12 52.6 | 36.6 | |
| 8.9 | 13 9.0 | 3.1 | K |
| 8.8 | 15.7 | 3.1 | K |
| 9.5 | 14 17.5 | 18.6 | |
| 8.2 | 24.1 | 5.5 | K |
| 9.5 | 31.2 | 54.0 | |
| 8.5 | 46.1 | 26.1 | K |
| 9.5 | 54.6 | 23.7 | |
| 9.2 | 15 47.0 | 33.5 | *a* |
| 9.1 | 51.8 | 12.5 | K |
| 9.5 | 16 2.0 | 56.1 | |
| 9.3 | 15.6 | 45.1 | |
| 9.1 | 25.7 | 35.5 | *b* |
| 8.2 | 46.7 | 5.9 | K |
| 9.5 | 47.1 | 41.0 | |
| 9.5 | 55.8 | 19.3 | |
| 9.5 | 18 31.6 | 40.4 | |
| 9.5 | 20 0.7 | 36.5 | |
| 9.1 | 12.2 | 19.2 | *Kb* |
| 9.5 | 21 8.9 | 15.1 | |
| 9.5 | 21.5 | 55.3 | B |
| 8.5 | 24.6 | 48.5 | K |
| 9.5 | 37.3 | 21.7 | |
| 8.7 | 22 1.7 | 46.9 | L |
| 9.3 | 11.2 | 12.3 | |
| 9.5 | 19.1 | 39.9 | |
| 9.4 | 32.4 | 28.9 | |
| 9.5 | 56.6 | 58.7 | B |
| 7.3 | 23 11.9 | 40.0 | K |
| 9.0 | 24 29.5 | 54.4 | |
| 9.3 | 48.2 | 28.5 | |
| 9.0 | 25 7.5 | 38.2 | |
| 8.7 | 10.7 | 30.9 | L |
| 9.1 | 40.3 | 35.4 | *a* |
| 9.4 | 44.8 | 31.2 | |
| 9.3 | 26 35.7 | 16.5 | *B* |
| 8.5 | 41.5 | 30.4 | K |
| 9.1 | 42.5 | 51.0 | *ab* |
| 8.2 | 54.3 | 21.6 | K |
| 9.5 | 27 13.5 | 40.1 | |
| *10pr.* | *33.08* | *3.16* | |

261—320

| m | 1ˢ | +28° | |
|---|---|---|---|
| 9.0 | 27′ 31.3″ | 19.0′ | K |
| 9.5 | 50.5 | 10.6 | |
| 9.5 | 53.5 | 25.5 | |
| 9.5 | 55.6 | 23.2 | |
| 9.4 | 28 3.5 | 27.9 | |
| 9.4 | 12.9 | 32.4 | |
| 8.1 | 30.6 | 41.7 | K |
| 9.5 | 37.9 | 40.5 | |
| 9.5 | 29 8.8 | 3.5 | |
| 9.2 | 14.4 | 56.4 | *ab* |
| 8.5 | 30 10.0 | 50.4 | L |
| 9.4 | 12.6 | 1.0 | |
| 8.5 | 20.5 | 6.2 | K |
| 9.3 | 31 0.8 | 34.4 | |
| 9.3 | 1.5 | 49.3 | |
| 9.5 | 37.1 | 8.8 | |
| 8.9 | 32 32.7 | 56.9 | |
| 9.5 | 33 0.0 | 13.9 | |
| 9.5 | 2.2 | 4.2 | |
| 8.9 | 5.8 | 24.9 | K |
| 8.4 | 43.9 | 20.6 | K |
| 7.5 | 55.0 | 47.2 | K |
| 9.5 | 58.4 | 5.3 | |
| 9.3 | 34 41.5 | 22.5 | |
| 8.5 | 56.1 | 43.8 | K |
| 9.2 | 35 53.0 | 26.9 | *Kb* |
| 9.5 | 36 0.8 | 24.4 | |
| 9.3 | 19.0 | 13.1 | *a* |
| 9.3 | 35.5 | 13.1 | *a* |
| 9.4 | 40.0 | 41.4 | |
| 9.5 | 40.0 | 2.1 | |
| 7.8 | 55.5 | 0.9 | K |
| 8.7 | 37 50.5 | 25.9 | K |
| 8.7 | 38 16.7 | 47.7 | K |
| 9.0 | 17.0 | 52.7 | K |
| 9.5 | 23.7 | 7.2 | |
| 8.9 | 28.5 | 53.6 | K |
| 9.4 | 39 21.6 | 24.8 | |
| 9.5 | 40 5.3 | 1.8 | |
| 8.5 | 15.5 | 43.8 | K |
| 9.2 | 39.7 | 10.6 | K |
| 9.5 | 41 2.5 | 9.0 | |
| 9.5 | 53.6 | 20.4 | |
| 8.3 | 54.5 | 45.9 | *Lb* |
| 9.4 | 56.7 | 41.1 | |
| 9.0 | 42 2.5 | 13.5 | |
| 9.5 | 11.8 | 58.3 | |
| 8.5 | 20.2 | 12.5 | L |
| 9.2 | 33.6 | 10.7 | K |
| 9.5 | 43 25.0 | 35.8 | |
| 9.5 | 29.0 | 49.0 | |
| 3.9 | 44 49.8 | 52.5 | K |
| 7.0 | 57.0 | 6.3 | L |
| 8.7 | 45 47.5 | 20.4 | K |
| 9.5 | 46 11.1 | 1.5 | B |
| 9.0 | 31.0 | 26.2 | K |
| 9.5 | 40.6 | 6.5 | R |
| 9.3 | 52.0 | 20.4 | |
| 7.5 | 53.4 | 4.9 | *Lb* |
| 9.5 | 47 12.0 | 53.7 | |
| *10pr.* | *33.69* | *3.05* | |

321—380

| m | 1ˢ—2ˢ | +28° | |
|---|---|---|---|
| 9.2 | 47′ 34.5″ | 7.7′ | B |
| 9.5 | 35.0 | 3.2 | |
| 9.5 | 51.0 | 14.1 | |
| 9.4 | 48 3.1 | 43.5 | |
| 9.5 | 10.7 | 31.0 | |
| 9.2 | 51.5 | 5.0 | K |
| 9.5 | 52.6 | 33.1 | |
| 9.3 | 54.0 | 46.8 | |
| 9.5 | 49 16.0 | 20.7 | |
| 9.1 | 22.9 | 13.9 | K |
| 9.5 | 38.5 | 25.2 | |
| 9.3 | 41.7 | 13.5 | K |
| 8.2 | 50 25.9 | 41.0 | K |
| 9.5 | 26.6 | 12.9 | |
| 8.5 | 39.0 | 10.5 | *Kb* |
| 9.8 | 39.5 | 33.1 | |
| 8.2 | 52 38.9 | 50.9 | K |
| 7.7 | 41.4 | 31.8 | K |
| 9.5 | 53 20.3 | 4.5 | |
| 9.1 | 45.5 | 55.7 | K |
| 8.2 | 54 29.9 | 5.1 | B |
| 8.8 | 31.2 | 29.2 | K |
| 9.5 | 55 22.5 | 13.7 | |
| 9.5 | 32.4 | 29.5 | *a* |
| 9.5 | 34.2 | 5.4 | B |
| 9.3 | 44.9 | 14.0 | |
| 9.5 | 57.5 | 6.5 | |
| 9.0 | 56 27.4 | 23.7 | L |
| 9.5 | 29.5 | 15.8 | |
| 9.2 | 44.4 | 2.8 | K |
| 7.8 | 57.9 | 25.7 | L |
| 9.2 | 57 18.6 | 1.4 | K |
| 9.5 | 31.8 | 3.4 | |
| 9.5 | 34.2 | 21.9 | |
| 9.1 | 43.9 | 3.3 | K |
| 9.5 | 44.7 | 14.7 | |
| 9.5 | 58 6.2 | 23.7 | |
| 9.4 | 15.3 | 54.6 | |
| 6.7 | 29.9 | 34.7 | K |
| 9.4 | 59 13.9 | 36.4 | |
| 8.2 | 21.5 | 57.8 | K |
| 9.4 | 25.5 | 0.2 | |
| 9.0 | 29.7 | 8.8 | |
| 8.1 | 40.0 | 52.5 | K |
| 9.5 | 0 7.1 | 18.1 | |
| 9.3 | 51.2 | 8.2 | |
| 9.0 | 2 45.8 | 2.1 | K |
| 9.5 | 3 9.9 | 3.0 | |
| 8.0 | 4 2.1 | 30.7 | K |
| 9.5 | 52.0 | 47.7 | B |
| 9.3 | 53.5 | 10.8 | K |
| 9.5 | 5 2.6 | 27.4 | |
| 9.5 | 56.9 | 9.1 | B |
| 6.5 | 6 15.8 | 1.2 | K |
| 9.5 | 32.7 | 15.6 | B |
| 8.5 | 7 7.2 | 9.2 | *Kb* |
| 8.6 | 15.7 | 50.4 | K |
| 9.5 | 55.9 | 24.0 | |
| 9.0 | 8 22.6 | 53.9 | |
| 9.1 | 33.2 | 13.2 | *a* |
| *10pr.* | *34.26* | *2.91* | |

381—440

| m | 2ˢ | +28° | |
|---|---|---|---|
| 8.8 | 8′ 49.0″ | 1.1′ | |
| 6.8 | 9 2.1 | 4.8 | K |
| 9.0 | 13.6 | 24.7 | |
| 9.3 | 29.7 | 25.0 | |
| 7.0 | 33.6 | 20.8 | K |
| 9.5 | 50.2 | 53.6 | |
| 9.5 | 10 31.5 | 33.8 | |
| 9.2 | 11 3.7 | 8.9 | *a* |
| 9.5 | 12.4 | 20.7 | |
| 9.2 | 35.5 | 46.7 | B |
| 9.3 | 12 14.1 | 15.0 | |
| 9.5 | 18.4 | 44.3 | |
| 7.3 | 25.4 | 4.0 | L |
| 9.3 | 47.2 | 51.8 | *Kb* |
| 9.5 | 13 8.1 | 22.2 | |
| 9.5 | 10.3 | 53.4 | |
| 9.5 | 45.8 | 9.3 | |
| 9.1 | 50.9 | 15.0 | *Bb* |
| 9.1 | 52.7 | 46.3 | K |
| 9.5 | 14 25.4 | 14.3 | |
| 9.5 | 35.8 | 35.0 | |
| 8.7 | 56.2 | 2.9 | K |
| 8.8 | 15 13.4 | 0.2 | K |
| 9.4 | 34.4 | 21.3 | B |
| 9.5 | 34.9 | 54.5 | |
| 9.5 | 44.3 | 12.5 | |
| 9.4 | 48.5 | 20.7 | |
| 9.5 | 16 5.0 | 5.7 | |
| 7.5 | 16.8 | 34.3 | *Kb* |
| 8.5 | 26.6 | 9.2 | K |
| 9.5 | 34.4 | 26.9 | |
| 9.5 | 17 2.5 | 50.2 | |
| 9.3 | 11.4 | 5.9 | |
| 9.5 | 12.3 | 44.3 | |
| 9.3 | 25.7 | 9.9 | |
| 9.5 | 47.4 | 4.1 | |
| 9.3 | 18 56.4 | 13.3 | K |
| 9.3 | 19 4.2 | 18.5 | K |
| 9.1 | 11.7 | 59.2 | B |
| 9.2 | 20.1 | 53.8 | B |
| 9.0 | 20 47.8 | 24.3 | |
| 9.2 | 58.8 | 31.5 | |
| 9.3 | 21 7.7 | 3.4 | |
| 9.5 | 12.3 | 43.9 | |
| 9.3 | 51.3 | 23.6 | K |
| 9.5 | 54.7 | 56.7 | |
| 9.5 | 22 12.8 | 3.1 | |
| 9.5 | 19.1 | 53.2 | |
| 9.4 | 19.2 | 1.3 | B |
| 9.5 | 23 17.4 | 15.4 | |
| 8.1 | 24 2.5 | 40.0 | B |
| 9.5 | 25 23.7 | 56.9 | |
| 9.5 | 39.1 | 39.5 | |
| 9.5 | 26 0.0 | 24.2 | |
| 8.4 | 2.5 | 0.0 | K |
| 9.5 | 3.8 | 7.0 | |
| 7.9 | 27 14.2 | 35.7 | K |
| 7.6 | 34.2 | 46.4 | K |
| 9.0 | 49.7 | 4.3 | |
| 9.5 | 53.1 | 39.5 | |
| *10pr.* | *34.79* | *2.77* | |

441—500

| m | 2ˢ—3ˢ | +28° | |
|---|---|---|---|
| 9.1 | 28′ 25.6″ | 15.5′ | K |
| 9.5 | 25.6 | 53.9 | |
| 9.5 | 29 16.4 | 52.5 | |
| 9.3 | 23.2 | 44.0 | K |
| 9.2 | 41.4 | 28.7 | B |
| 8.7 | 51.4 | 2.9 | |
| 9.5 | 57.1 | 51.9 | |
| 9.1 | 30 34.3 | 15.4 | *ab* |
| 9.5 | 31 28.4 | 12.9 | |
| 9.2 | 32 34.3 | 34.9 | K |
| 9.4 | 42.6 | 53.7 | |
| 9.2 | 53.8 | 37.6 | *Bb* |
| 9.4 | 35 20.4 | 15.0 | |
| 9.5 | 35.9 | 1.1 | |
| 7.5 | 36 2.0 | 50.7 | K |
| 8.3 | 36.2 | 14.3 | *Kb* |
| 9.5 | 37 17.0 | 13.3 | |
| 9.5 | 29.1 | 58.6 | B |
| 9.5 | 30.4 | 4.2 | |
| 9.0 | 38 9.1 | 53.7 | K |
| 8.9 | 19.4 | 43.2 | K |
| 5.2 | 39 21.2 | 38.4 | *Kb* |
| 8.5 | 24.1 | 26.3 | L |
| 9.0 | 40 21.2 | 43.9 | K |
| 9.5 | 42.0 | 2.7 | |
| 9.3 | 49.9 | 10.9 | K |
| 9.4 | 41 12.7 | 53.9 | |
| 9.3 | 54.8 | 40.8 | |
| 9.5 | 43 16.1 | 54.0 | B |
| 8.8 | 38.0 | 2.1 | *Kb* |
| 8.7 | 41.1 | 24.7 | K |
| 9.1 | 46.4 | 42.5 | *a* |
| 8.3 | 44 25.0 | 52.2 | K |
| 8.7 | 45 10.2 | 19.5 | *Kb* |
| 9.3 | 46 15.6 | 7.4 | K |
| 9.3 | 55.9 | 52.4 | *Kb* |
| 6.8 | 47 37.2 | 34.4 | B |
| 9.5 | 48 8.0 | 54.3 | |
| 9.4 | 50 41.9 | 21.9 | *Bb* |
| 9.3 | 52 30.8 | 38.0 | B |
| 9.5 | 32.9 | 26.7 | |
| 9.3 | 53 2.0 | 38.0 | *Bb* |
| 9.3 | 9.5 | 12.2 | K |
| 9.5 | 39.8 | 6.4 | |
| 9.3 | 51.2 | 40.4 | K |
| 9.5 | 55 19.4 | 6.4 | |
| 9.0 | 56 13.9 | 51.8 | K |
| 7.9 | 38.0 | 58.5 | K |
| 9.3 | 53.8 | 20.1 | |
| 9.5 | 57 3.9 | 18.8 | |
| 9.5 | 39.5 | 55.0 | |
| 9.5 | 58 14.7 | 6.0 | |
| 7.5 | 35.2 | 33.9 | *Kb* |
| 9.3 | 59 4.9 | 36.3 | K |
| 9.3 | 46.1 | 55.0 | K |
| 9.5 | 0 35.1 | 10.1 | |
| 9.5 | 42.5 | 47.0 | |
| 9.5 | 53.9 | 0.6 | |
| 6.0 | 54.8 | 31.5 | *Kb* |
| 9.5 | 1 8.9 | 20.9 | |
| *10pr.* | *35.47* | *2.52* | |

440 *a*
9.1 | 28 8.7 | 29.8 | *B*

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵘ | | +28° | | | 3ᵘ | | +28° | | | 3ᵘ—4ᵘ | | +28° | | | 4ᵘ | | +28° | | | 4ᵘ—5ᵘ | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 1 | 15.5 | 10.6 | | 9.0 | 31 | 47.3 | 58.0 | Lb | 9.4 | 58 | 31.8 | 12.0 | | 9.2 | 32 | 37.2 | 55.8 | α | 8.9 | 55 | 35.4 | 30.2 | R |
| 9.4 | | 37.1 | 40.6 | B | 7.0 | | 47.5 | 17.6 | K | 9.5 | | 59.0 | 20.8 | | 8.7 | | 42.0 | 23.3 | K | 9.4 | | 37.6 | 34.3 | |
| 9.5 | | 51.2 | 16.0 | | 9.0 | 32 | 26.8 | 3.8 | S | 9.5 | 59 | 3.0 | 46.6 | | 8.8 | 33 | 9.9 | 18.5 | | 9.1 | | 42.3 | 58.6 | |
| 9.5 | | 56.8 | 50.0 | | 7.0 | | 27.5 | 13.8 | K | 8.5 | | 54.2 | 47.7 | K | 9.4 | | 28.6 | 6.4 | | 9.5 | 56 | 22.4 | 29.5 | |
| 9.5 | 4 | 26.2 | 50.1 | | 9.3 | | 35.1 | 25.5 | | 9.5 | 0 | 5.0 | 59.5 | | 9.2 | 35 | 40.0 | 39.0 | B | 9.3 | 57 | 2.3 | 43.8 | B |
| 9.5 | | 48.7 | 17.7 | B | 9.5 | 33 | 17.0 | 19.6 | | 9.4 | | 7.1 | 46.7 | | 9.1 | | 46.7 | 54.6 | b | 9.3 | | 21.1 | 35.7 | |
| 8.5 | | 52.9 | 40.8 | K | 8.7 | | 20.9 | 57.5 | K | 8.8 | | 11.6 | 15.6 | K | 7.0 | 36 | 45.8 | 24.6 | K | 9.3 | 58 | 21.5 | 36.5 | |
| 9.0 | 5 | 54.2 | 7.0 | K | 9.2 | | 44.3 | 47.0 | | 9.5 | 1 | 25.8 | 23.3 | | 9.5 | | 57.1 | 53.7 | | 9.5 | | 31.5 | 56.1 | |
| 8.4 | 6 | 26.5 | 30.5 | K | 9.0 | | 54.9 | 10.8 | B | 9.4 | | 45.8 | 55.8 | | 8.6 | 37 | 5.1 | 36.4 | | 9.2 | | 44.5 | 46.1 | Bb |
| 9.2 | 7 | 44.8 | 44.7 | K | 9.5 | | 55.5 | 4.6 | | 9.0 | 3 | 22.8 | 4.0 | K | 9.5 | | 21.0 | 17.8 | | 8.3 | 59 | 0.7 | 11.4 | K |
| 8.2 | 8 | 21.3 | 13.6 | L | 9.5 | 35 | 6.1 | 15.7 | | 8.8 | 3 | 55.5 | 36.9 | | 9.3 | | 26.8 | 43.5 | | 7.0 | | 29.3 | 5.0 | K |
| 9.5 | | 39.4 | 57.7 | | 9.4 | | 16.4 | 5.3 | | 8.4 | 4 | 24.2 | 44.2 | K | 9.0 | | 31.2 | 40.1 | K | 9.5 | | 58.5 | 24.3 | |
| 8.9 | 9 | 7.6 | 55.8 | K | 9.5 | | 43.1 | 0.6 | | 9.3 | 6 | 21.6 | 59.6 | | 9.3 | 38 | 4.5 | 42.5 | | 8.7 | 0 | 14.9 | 54.7 | K |
| 8.7 | | 42.2 | 10.8 | L | 9.5 | 36 | 3.8 | 41.3 | | 9.1 | 7 | 8.9 | 46.3 | b | 9.3 | | 58.3 | 42.7 | B | 8.7 | | 31.3 | 57.4 | K |
| 9.4 | 10 | 35.0 | 10.2 | K | 7.9 | | 36.0 | 12.1 | L | 9.4 | | 18.0 | 54.5 | α | 6.3 | 39 | 11.2 | 58.1 | Kb | 8.3 | 1 | 36.1 | 32.8 | Kb |
| 5.2 | 11 | 34.6 | 31.4 | K | 9.5 | | 43.1 | 17.6 | | 9.4 | 9 | 12.7 | 54.5 | B | 8.6 | | 51.2 | 31.4 | K | 9.5 | 2 | 3.0 | 3.4 | |
| 8.7 | | 54.5 | 17.4 | | 9.1 | | 57.5 | 47.5 | b | 9.5 | | 30.4 | 6.3 | | 9.4 | | 56.3 | 27.0 | B | 8.1 | | 12.5 | 48.4 | K |
| 9.5 | | 59.4 | 25.5 | ? | 9.5 | 37 | 2.4 | 26.2 | | 9.2 | 10 | 39.2 | 54.1 | B | 7.2 | 40 | 12.5 | 5.8 | K | 9.5 | | 52.2 | 8.2 | |
| 9.5 | 12 | 31.1 | 14.5 | | 8.8 | | 4.8 | 18.5 | K | 9.3 | 11 | 8.4 | 52.7 | | 9.3 | | 37.9 | 40.4 | B | 8.7 | 3 | 25.7 | 46.0 | B |
| 9.1 | 13 | 23.4 | 7.1 | K | 8.4 | | 16.5 | 25.1 | K | 9.1 | | 12.3 | 27.4 | α | 8.7 | | 53.2 | 41.3 | K | 9.3 | 4 | 9.5 | 2.5 | |
| 9.4 | | 39.1 | 15.2 | | 9.5 | | 24.6 | 37.9 | | 9.4 | | 32.1 | 18.4 | | 8.0 | | 57.1 | 35.9 | K | 8.8 | | 48.8 | 3.4 | R |
| 9.0 | 14 | 26.8 | 52.1 | K | 8.5 | 38 | 7.0 | 13.0 | K | 8.2 | | 37.9 | 32.9 | K | 9.5 | 41 | 10.9 | 58.5 | | 9.5 | 5 | 6.9 | 5.9 | |
| 9.5 | 15 | 25.0 | 20.4 | | 9.5 | | 7.5 | 27.5 | B | 9.2 | 12 | 36.4 | 4.1 | α | 9.5 | | 38.3 | 52.9 | | 9.4 | | 14.0 | 40.5 | B |
| 9.4 | | 57.9 | 29.3 | α | 9.5 | | 40.3 | 39.0 | | 9.5 | | 52.1 | 21.1 | | 7.4 | | 48.3 | 5.0 | L | 9.5 | 6 | 12.5 | 43.6 | |
| 9.5 | 16 | 3.3 | 34.8 | | 8.9 | | 44.1 | 56.9 | K | 9.1 | | 55.8 | 6.1 | | 9.4 | | 48.9 | 53.0 | | 9.5 | | 46.3 | 17.3 | |
| 7.2 | | 3.6 | 7.8 | K | 8.9 | 39 | 8.7 | 8.0 | K | 9.4 | 13 | 10.3 | 37.1 | | 8.5 | 42 | 26.1 | 24.0 | | 8.8 | 7 | 5.9 | 8.7 | |
| 9.5 | | 14.4 | 34.4 | | 9.1 | | 26.0 | 20.0 | B | 9.5 | | 54.5 | 13.3 | ? | 8.1 | | 26.9 | 16.4 | K | 9.0 | | 6.2 | 57.3 | B |
| 9.4 | | 15.0 | 31.1 | B | 9.4 | | 26.7 | 45.1 | | 8.3 | | 55.2 | 4.0 | K | 9.5 | 43 | 2.6 | 20.5 | | 9.2 | | 22.9 | 46.3 | |
| 9.0 | | 15.1 | 12.5 | K | 9.5 | | 28.5 | 43.8 | | 8.8 | 14 | 5.0 | 41.9 | K | 9.5 | | 14.2 | 33.0 | | 8.3 | | 25.3 | 0.9 | |
| 9.4 | | 50.6 | 52.1 | | 9.5 | | 53.0 | 43.6 | | 9.3 | | 8.3 | 23.2 | | 9.3 | | 20.5 | 28.7 | B | 9.0 | | 29.8 | 32.8 | |
| 9.5 | | 52.5 | 12.4 | | 9.5 | 40 | 11.1 | 27.9 | | 9.3 | | 22.2 | 42.1 | B | 9.4 | 44 | 51.0 | 20.2 | | 9.4 | | 31.3 | 38.0 | |
| 7.0 | 17 | 48.3 | 12.7 | K | 8.8 | | 11.7 | 0.9 | | 8.8 | | 48.2 | 23.6 | | 9.3 | 45 | 8.0 | 30.1 | B | 6.5 | 8 | 6.9 | 46.3 | K |
| 9.5 | 19 | 14.5 | 8.6 | | 8.7 | | 31.9 | 11.9 | B | 8.0 | 15 | 22.8 | 41.1 | L | 8.7 | | 19.8 | 33.9 | K | 7.3 | 9 | 7.5 | 38.0 | K |
| 9.1 | | 17.1 | 55.5 | K | 9.1 | 41 | 24.1 | 0.5 | | 9.5 | 16 | 33.0 | 6.1 | | 9.0 | 46 | 16.7 | 36.0 | | 8.7 | | 29.8 | 44.3 | L |
| 8.5 | | 50.1 | 33.4 | K | 9.5 | 42 | 15.0 | 39.6 | | 9.2 | 17 | 28.0 | 55.5 | | 9.3 | 47 | 31.2 | 32.5 | | 9.5 | | 45.1 | 43.2 | |
| 9.5 | 20 | 18.5 | 47.8 | | 9.5 | | 26.2 | 56.7 | | 9.0 | 18 | 28.2 | 45.3 | | 9.0 | | 35.1 | 2.0 | | 8.9 | 10 | 25.0 | 37.6 | K |
| 9.5 | 21 | 7.8 | 16.9 | | 9.5 | | 28.2 | 4.3 | | 9.5 | 20 | 33.8 | 22.9 | | 9.5 | | 39.1 | 13.0 | | 9.0 | | 44.9 | 2.2 | L |
| 9.5 | | 33.1 | 36.5 | | 9.5 | 45 | 9.7 | 50.6 | B | 8.5 | 21 | 0.7 | 43.9 | | 9.3 | | 41.2 | 39.4 | | 9.2 | 11 | 24.5 | 52.6 | |
| 9.5 | | 37.0 | 12.7 | | 9.1 | 46 | 0.6 | 42.7 | b | 9.2 | 22 | 5.3 | 58.6 | b | 9.3 | | 46.6 | 11.0 | | 8.4 | | 33.8 | 44.5 | K |
| 8.9 | | 52.5 | 45.0 | K | 9.1 | | 21.5 | 14.8 | ab | 8.9 | 23 | 7.8 | 41.5 | K | 9.4 | | 53.5 | 16.1 | | 9.3 | 12 | 6.2 | 18.1 | |
| 9.4 | 22 | 9.3 | 33.4 | | 9.5 | | 26.8 | 10.8 | α | 9.5 | | 22.5 | 0.1 | | 8.8 | | 57.6 | 1.5 | K | 9.5 | | 51.4 | 44.6 | |
| 9.5 | 23 | 29.5 | 11.0 | B | 9.5 | | 52.6 | 49.6 | | 9.2 | | 40.0 | 0.5 | Bb | 9.5 | 48 | 25.0 | 31.7 | B | 8.6 | 13 | 32.7 | 19.4 | R |
| 9.4 | 25 | 48.9 | 1.6 | | 9.3 | 47 | 23.2 | 34.4 | B | 9.0 | 24 | 23.9 | 36.7 | K | 9.5 | 49 | 4.9 | 47.9 | | 8.6 | | 38.2 | 38.0 | L |
| 9.0 | 26 | 7.5 | 49.5 | K | 9.5 | 48 | 33.6 | 29.3 | | 9.4 | 25 | 5.1 | 46.6 | | 9.0 | | 37.6 | 34.0 | K | 9.4 | | 41.6 | 57.0 | |
| 9.4 | | 17.8 | 18.7 | | 9.5 | 49 | 3.3 | 58.2 | | 9.5 | | 16.5 | 57.5 | | 9.5 | 50 | 44.1 | 28.0 | | 8.0 | | 49.3 | 56.6 | L |
| 9.5 | | 40.4 | 51.3 | | 8.9 | 50 | 49.1 | 23.0 | K | 5.7 | | 35.2 | 39.7 | K | 8.8 | 51 | 22.1 | 59.3 | K | 9.4 | | 50.9 | 58.8 | B |
| 8.1 | 27 | 29.1 | 27.6 | K | 9.4 | 51 | 24.1 | 26.2 | | 9.5 | | 37.8 | 50.0 | | 9.1 | | 39.5 | 37.5 | b | 7.3 | | 52.9 | 19.4 | K |
| 6.8 | | 49.0 | 44.7 | K | 9.4 | 52 | 17.9 | 3.0 | B | 9.5 | 26 | 28.5 | 57.5 | | 9.4 | | 45.4 | 39.5 | | 7.0 | 14 | 11.7 | 48.1 | Kb |
| 9.4 | 28 | 7.3 | 57.8 | | 6.7 | | 31.1 | 5.3 | K | 9.5 | 27 | 8.5 | 49.5 | B | 9.4 | 52 | 11.0 | 1.3 | B | 9.2 | | 26.5 | 51.6 | |
| 9.5 | | 10.8 | 53.1 | | 8.3 | 54 | 3.5 | 3.0 | Kb | 9.5 | | 17.4 | 59.5 | | 9.3 | | 14.2 | 51.1 | | 9.3 | 15 | 0.9 | 50.4 | |
| 9.3 | | 14.5 | 26.2 | | 9.4 | | 5.6 | 27.2 | | 9.4 | | 19.8 | 6.2 | | 9.4 | | 25.1 | 46.7 | | 9.1 | | 3.4 | 24.5 | |
| 9.5 | | 32.6 | 25.8 | | 9.1 | | 14.1 | 11.1 | | 8.9 | 28 | 3.5 | 50.9 | | 8.0 | | 53.0 | 5.0 | K | 9.0 | | 47.8 | 51.4 | |
| 9.5 | | 56.1 | 42.7 | | 7.8 | | 43.3 | 14.9 | L | 9.5 | | 31.4 | 1.5 | | 9.4 | 53 | 9.4 | 39.5 | | 9.5 | 16 | 7.0 | 7.6 | |
| 9.5 | 30 | 18.0 | 27.9 | | 8.1 | | 50.0 | 47.8 | | 8.3 | 29 | 25.3 | 26.0 | K | 9.4 | | 10.8 | 8.0 | | 9.5 | | 54.4 | 47.2 | |
| 9.0 | | 26.6 | 57.3 | K | 9.4 | 56 | 57.1 | 10.2 | | 9.3 | 30 | 2.6 | 32.9 | B | 9.5 | | 25.1 | 47.5 | | 2.0 | 17 | 7.4 | 28.9 | K |
| 9.0 | | 42.6 | 57.8 | K | 9.5 | 57 | 8.5 | 8.9 | B | 9.3 | | 26.7 | 11.2 | | 9.4 | 54 | 24.2 | 10.5 | | 9.0 | | 14.0 | 12.0 | |
| 9.3 | | 59.4 | 28.3 | B | 9.0 | | 26.4 | 0.7 | | 8.1 | | 34.4 | 29.8 | Kb | 9.3 | | 48.5 | 40.2 | | 9.5 | | 30.3 | 50.6 | |
| 9.5 | 31 | 25.7 | 26.9 | | 8.8 | | 48.0 | 32.7 | R | 9.5 | 31 | 22.2 | 31.5 | | 9.0 | 55 | 13.8 | 28.1 | | 8.9 | | 41.4 | 26.8 | |
| 9.5 | | 28.3 | 34.4 | | 5.4 | 58 | 3.9 | 36.8 | L | 9.0 | 32 | 11.4 | 57.0 | | 9.1 | | 15.9 | 49.5 | | *9.5 | | 42.5 | 31.7 | |
| 8.3 | | 38.6 | 9.4 | | 9.5 | | 9.8 | 11.3 | | 5.0 | | 16.2 | 20.5 | K | 9.2 | | 33.7 | 52.7 | | 9.5 | 18 | 1.6 | 56.2 | |
| 10pr. | | 36.21 | 2.18 | | 10pr. | | 36.67 | 1.92 | | 10pr. | | 37.22 | 1.49 | | 10pr. | | 37.58 | 1.09 | | 10pr. | | 37.79 | 0.76 | |

799 α
9.5 | 17 58.2 | 34.7

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵐ | | +28° | | | 5ᵐ | | +28° | | | 5ᵐ | | +28° | | | 5ᵐ—6ᵐ | | +28° | | | 6ᵐ | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 18 | 16.9 | 19.6 | | 9.4 | 34 | 27.5 | 7.1 | | 9.4 | 42 | 59.2 | 4.1 | | 9.3 | 52 | 39.8 | 45.4 | | 9.4 | 3 | 28.0 | 1.5 | |
| 9.2 | | 33.8 | 40.8 | | 9.5 | | 28.8 | 10.2 | | 9.5 | 43 | 0.2 | 10.7 | | 9.0 | 53 | 1.8 | 8.0 | | 9.5 | | 31.6 | 37.5 | |
| 9.4 | | 46.7 | 27.7 | | 9.4 | | 49.4 | 12.1 | | 9.4 | | 0.9 | 58.5 | | 9.5 | | 4.5 | 40.4 | | 9.5 | | 39.6 | 11.2 | |
| 9.2 | 19 | 20.4 | 47.7 | *a* | 9.5 | | 54.9 | 33.1 | | 8.8 | | 10.4 | 35.2 | Kb | 9.5 | | 6.3 | 44.4 | | 9.5 | | 56.9 | 52.7 | |
| 9.3 | | 39.1 | 55.5 | | 9.1 | 35 | 20.6 | 27.5 | | 9.5 | | 17.0 | 28.0 | | 9.5 | | 10.3 | 56.9 | | 9.3 | 4 | 3.5 | 48.3 | |
| 9.3 | | 46.9 | 21.9 | | 9.0 | | 25.0 | 30.8 | | 9.5 | | 40.8 | 17.9 | | 9.3 | | 16.5 | 29.2 | B | 9.5 | | 13.5 | 59.7 | |
| 9.1 | 20 | 12.8 | 9.1 | *a* | 9.3 | | 25.7 | 3.7 | | 8.8 | | 48.2 | 23.1 | K | 9.5 | | 24.3 | 31.7 | *a* | 9.5 | | 13.5 | 58.5 | |
| 9.0 | | 18.2 | 47.4 | | 8.1 | | 26.1 | 56.8 | S | 9.5 | | 51.9 | 30.5 | | 9.5 | | 24.3 | 32.7 | | 9.2 | | 29.6 | 22.9 | K |
| 9.2 | | 19.9 | 6.3 | | 9.1 | | 35.4 | 52.5 | *a* | 9.3 | 44 | 7.3 | 15.7 | | 9.1 | | 26.2 | 11.7 | L | 9.5 | | 38.0 | 27.7 | B |
| 9.5 | | 31.7 | 25.3 | B | 9.4 | | 41.1 | 29.8 | | 8.2 | | 9.4 | 14.2 | *B* | 9.5 | | 41.0 | 36.3 | | 9.5 | | 43.6 | 54.0 | |
| 9.1 | | 50.0 | 11.3 | *b* | 8.1 | | 50.4 | 7.3 | K | 9.5 | | 20.6 | 49.3 | | 7.9 | | 47.9 | 40.3 | L | 9.0 | 5 | 6.4 | 44.6 | |
| 9.4 | 21 | 40.5 | 15.0 | | 9.5 | | 57.0 | 22.2 | | 9.5 | | 29.4 | 38.2 | | 9.4 | | 52.6 | 26.7 | | 8.7 | | 14.7 | 3.8 | K |
| 8.6 | 22 | 43.3 | 54.0 | Kb | 8.4 | 36 | 0.4 | 11.5 | K | 8.8 | | 40.7 | 55.2 | K | 9.5 | 54 | 10.6 | 52.0 | | 8.8 | | 53.6 | 58.4 | K |
| 9.5 | 23 | 1.1 | 32.5 | | 9.5 | | 11.8 | 45.1 | | 9.4 | | 44.4 | 21.4 | | 8.7 | | 49.0 | 38.5 | L | 9.4 | 6 | 8.1 | 28.0 | |
| 9.5 | | 16.9 | 11.3 | | 9.5 | | 15.9 | 58.3 | | 9.5 | | 49.2 | 34.3 | | 9.5 | | 57.3 | 36.0 | | 9.3 | | 11.0 | 15.2 | |
| 9.5 | | 29.4 | 15.0 | | 9.5 | | 18.7 | 12.5 | | 9.5 | 45 | 17.1 | 59.5 | | 9.5 | | 58.9 | 29.1 | | 9.4 | | 28.6 | 34.5 | |
| 9.5 | | 33.7 | 27.8 | | 9.4 | | 23.0 | 17.4 | | 9.5 | | 21.5 | 51.8 | | 8.3 | 55 | 5.6 | 18.0 | Kb | 9.5 | | 54.9 | 58.3 | |
| 8.5 | | 46.3 | 13.8 | | 8.7 | | 25.4 | 37.4 | | 8.8 | | 28.7 | 39.0 | | 8.5 | | 10.5 | 59.0 | B | 7.8 | | 55.1 | 14.5 | K |
| 9.3 | 24 | 0.9 | 18.6 | | 9.5 | | 28.4 | 31.8 | | 9.5 | | 32.8 | 2.2 | | 9.5 | | 22.1 | 39.0 | | 9.0 | 7 | 4.1 | 14.3 | R |
| 9.5 | | 23.0 | 46.4 | | 9.5 | | 32.4 | 33.5 | | 8.5 | | 47.9 | 21.5 | K | 9.5 | | 32.9 | 17.5 | | 8.8 | | 8.6 | 18.2 | K |
| 8.9 | | 51.6 | 41.0 | B | 9.5 | | 52.2 | 47.1 | | 9.2 | | 53.4 | 9.7 | | 8.9 | | 46.7 | 46.4 | | 9.5 | | 9.0 | 28.4 | |
| 9.5 | 25 | 7.1 | 25.7 | B | 9.5 | 37 | 6.9 | 43.0 | | 9.5 | 46 | 3.0 | 45.2 | | 9.4 | 56 | 0.0 | 37.8 | | 7.5 | | 11.6 | 53.6 | K |
| 9.5 | | 24.8 | 25.6 | B | 9.0 | | 10.6 | 24.4 | K | 9.5 | | 11.0 | 20.6 | | 9.5 | | 1.3 | 33.0 | | 9.2 | | 33.0 | 41.0 | |
| 9.5 | | 50.6 | 0.3 | | 9.3 | | 12.7 | 58.8 | | 9.4 | | 16.6 | 16.9 | B | 9.3 | | 5.2 | 8.6 | | 9.2 | | 34.8 | 58.2 | |
| 9.4 | 26 | 34.5 | 53.6 | | 9.2 | | 22.4 | 21.4 | | 9.4 | | 35.3 | 34.3 | | 9.5 | | 26.4 | 34.8 | | 9.5 | | 47.4 | 10.2 | |
| 9.5 | | 45.0 | 4.0 | | 8.7 | | 55.1 | 10.0 | | 9.2 | | 43.6 | 45.4 | | 9.3 | | 34.2 | 45.9 | | 9.3 | | 51.1 | 52.5 | |
| 9.4 | | 47.2 | 57.4 | | 8.1 | 38 | 3.2 | 33.5 | K | 9.5 | | 45.0 | 5.6 | | 9.5 | | 41.4 | 8.4 | | 9.2 | 8 | 1.6 | 55.0 | *R* |
| 9.5 | 27 | 2.8 | 35.0 | | 9.5 | | 21.5 | 36.2 | | 9.5 | | 50.1 | 26.2 | | 7.3 | | 53.9 | 56.5 | K | 9.5 | | 27.6 | 23.8 | |
| 9.0 | | 23.1 | 55.3 | Kb | 9.5 | | 23.4 | 28.0 | | 9.1 | | 53.2 | 59.3 | *a* | 9.3 | 57 | 19.0 | 26.4 | | 9.5 | | 28.9 | 0.0 | |
| 9.5 | | 42.0 | 5.4 | | 9.5 | | 23.6 | 18.9 | | 9.2 | 47 | 10.6 | 42.4 | | 9.5 | | 42.3 | 33.3 | B | 9.1 | | 33.6 | 7.1 | R |
| 9.1 | | 52.0 | 6.4 | *a* | 9.5 | | 34.4 | 45.4 | B | 9.5 | | 19.5 | 8.1 | | 9.2 | | 44.2 | 13.0 | K | 7.3 | | 51.5 | 3.1 | K |
| 9.4 | 28 | 9.2 | 43.7 | | 9.1 | | 36.3 | 7.3 | | 6.5 | | 20.7 | 55.0 | K | 9.1 | | 50.2 | 39.2 | | 9.5 | 9 | 36.0 | 59.0 | |
| 9.3 | | 20.5 | 17.3 | | 8.6 | | 42.0 | 44.1 | K | 9.4 | 48 | 0.2 | 32.5 | | 9.2 | 58 | 17.3 | 57.0 | | 8.0 | | 39.1 | 6.3 | K |
| 9.4 | | 45.4 | 53.1 | | 9.5 | | 59.9 | 24.3 | | 9.5 | | 9.5 | 4.5 | | 9.5 | | 22.5 | 11.0 | | 9.3 | 10 | 0.2 | 1.5 | B |
| 9.3 | | 55.9 | 55.1 | | 9.5 | 39 | 7.5 | 4.5 | | 9.4 | | 20.1 | 0.2 | | 9.0 | | 28.3 | 28.0 | | 9.3 | | 3.6 | 30.3 | R |
| 8.2 | 29 | 47.7 | 22.3 | K | 9.5 | | 11.6 | 33.8 | | 9.5 | | 30.3 | 12.5 | | 8.9 | | 34.1 | 7.5 | B | 9.5 | | 17.9 | 5.0 | |
| 9.5 | | 53.0 | 32.8 | | 9.5 | | 14.6 | 3.0 | | 8.4 | | 31.4 | 16.0 | K | 9.4 | | 35.1 | 10.8 | | 9.5 | | 41.1 | 38.9 | B |
| 9.4 | 30 | 11.9 | 25.9 | | 9.5 | | 21.7 | 8.6 | | 8.7 | | 57.7 | 9.8 | K | 8.9 | | 41.2 | 58.3 | K | 7.0 | | 48.6 | 29.1 | K |
| 9.5 | | 14.5 | 33.8 | | 9.4 | | 21.9 | 55.5 | | 9.3 | 49 | 12.1 | 57.0 | | 9.4 | | 55.5 | 15.1 | | 9.4 | 11 | 8.5 | 47.4 | |
| 9.5 | | 21.3 | 14.5 | | 9.4 | | 25.5 | 29.8 | | 9.5 | | 23.6 | 32.5 | | 9.5 | | 59.0 | 10.3 | B | 8.6 | | 13.2 | 7.8 | B |
| 9.5 | | 48.4 | 31.0 | | 9.2 | | 27.4 | 28.1 | | 9.3 | 50 | 5.2 | 16.0 | | 8.8 | 59 | 10.5 | 59.5 | K | 8.7 | | 19.6 | 44.6 | Kb |
| 9.5 | | 58.4 | 54.0 | | 8.4 | | 31.2 | 16.0 | K | 9.5 | | 11.1 | 0.4 | | 9.5 | | 18.3 | 4.1 | | 9.3 | | 28.6 | 6.8 | |
| 9.5 | 31 | 2.2 | 24.4 | | 9.3 | | 39.0 | 44.9 | | 9.4 | | 27.8 | 16.0 | | 9.5 | | 41.3 | 58.2 | | 9.3 | | 29.1 | 18.2 | |
| 9.5 | | 5.9 | 42.9 | B | 9.3 | | 49.8 | 11.6 | *a* | 9.2 | | 30.5 | 13.3 | | 8.8 | | 51.6 | 46.0 | | 9.5 | | 38.6 | 24.7 | |
| 9.5 | | 12.0 | 4.2 | | 9.2 | | 50.9 | 17.3 | | 8.7 | | 50.6 | 44.2 | K | 9.3 | 0 | 9.5 | 40.0 | | 9.5 | | 51.4 | 56.0 | |
| 7.5 | | 23.4 | 53.8 | Kb | 9.2 | | 55.3 | 10.4 | | 6.9 | | 56.0 | 6.7 | K | 7.8 | | 21.6 | 41.0 | K | 9.3 | 12 | 11.7 | 52.9 | B |
| 9.5 | | 53.9 | 1.4 | *a* | 9.5 | | 55.8 | 19.0 | | 9.5 | | 59.0 | 33.4 | | 8.8 | | 27.6 | 22.9 | | 9.5 | | 17.5 | 46.7 | |
| 9.4 | | 57.4 | 8.1 | B | 9.4 | 40 | 41.4 | 16.3 | | 9.5 | 51 | 21.9 | 1.6 | | 8.3 | | 33.6 | 24.9 | L | 9.5 | | 18.3 | 18.0 | |
| 8.0 | 32 | 29.5 | 22.7 | K | 9.5 | | 48.5 | 48.6 | | 7.4 | | 23.7 | 59.5 | B | 9.4 | | 43.4 | 37.5 | *a* | 9.4 | | 41.6 | 9.6 | |
| 9.0 | | 38.4 | 2.6 | | 9.5 | 41 | 16.4 | 40.8 | | 9.5 | | 42.5 | 47.2 | | 9.5 | 1 | 10.0 | 11.1 | | 9.4 | | 47.6 | 28.6 | |
| 9.3 | | 39.7 | 39.0 | | 9.5 | | 28.6 | 14.4 | | 9.5 | | 48.3 | 15.7 | | 9.0 | | 15.1 | 37.5 | L | 9.3 | | 50.0 | 46.4 | |
| 9.4 | | 42.0 | 29.7 | | 9.4 | | 45.7 | 34.4 | *a* | 9.3 | | 53.0 | 35.7 | | 9.5 | | 16.5 | 14.8 | | 9.2 | 13 | 4.6 | 38.5 | |
| 8.9 | | 50.4 | 9.6 | | 9.4 | | 46.4 | 4.5 | | 9.5 | 52 | 2.9 | 37.5 | | 9.3 | | 27.6 | 3.9 | | 9.5 | | 12.1 | 37.5 | |
| 9.0 | | 54.5 | 9.8 | | 9.2 | | 50.1 | 29.4 | B | 8.8 | | 5.6 | 47.9 | K | 9.5 | | 44.1 | 7.8 | | 7.7 | | 15.0 | 58.3 | R |
| 9.5 | 33 | 7.0 | 23.4 | | 9.3 | | 50.2 | 38.3 | | 9.5 | | 9.5 | 8.1 | | 9.3 | | 51.4 | 59.2 | | 8.8 | | 18.5 | 11.1 | K |
| 8.2 | | 16.1 | 55.2 | *B* | 9.5 | 42 | 8.5 | 29.2 | B | 9.5 | | 14.9 | 3.2 | | 7.5 | 2 | 2.0 | 56.2 | K | 9.4 | | 37.4 | 45.2 | |
| 9.3 | | 28.7 | 55.8 | | 9.0 | | 23.0 | 12.6 | | 9.5 | | 19.9 | 15.3 | | 9.5 | | 19.7 | 19.2 | | 7.5 | | 39.6 | 3.2 | K |
| 9.5 | | 37.9 | 19.1 | | 8.1 | | 25.1 | 2.8 | *B* | 9.5 | | 27.3 | 55.9 | | 8.3 | | 28.6 | 47.6 | K | 9.1 | | 43.7 | 31.9 | |
| 9.3 | 34 | 14.4 | 10.9 | | 8.1 | | 37.7 | 24.4 | K | 9.0 | | 28.5 | 12.1 | K | 9.5 | | 42.6 | 50.8 | | 7.7 | | 48.6 | 40.8 | K |
| 9.5 | | 14.6 | 44.0 | | 8.7 | | 45.0 | 13.0 | K | 9.5 | | 28.5 | 34.5 | | 9.5 | 3 | 9.8 | 45.2 | *a* | 8.3 | 14 | 6.6 | 38.6 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | — | |
| *10pr.* | | *37.91* | *0.47* | | *10pr.* | | *37.95* | *0.31* | | *10pr.* | | *37.96* | *0.19* | | *10pr.* | | *37.98* | *0.03* | | *10pr.* | | *37.97* | *0.13* | |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵐ | | +28° | | | 6ᵐ | | +28° | | | 6ᵐ | | +28° | | | 6ᵐ—7ᵐ | | +28° | | | 7ᵐ | | +28° | |
| m | | ′ | ′ | | m | | ′ | ′ | | m | | ′ | ′ | | m | | ′ | ′ | | m | | ′ | ′ | |
| 8.3 | 14 | 11.1 | 49.3 | B | 9.5 | 24 | 37.2 | 36.0 | | 9.4 | 35 | 44.4 | 7.5 | | 9.5 | 47 | 34.9 | 21.5 | | 9.0 | 4 | 41.4 | 12.0 | K |
| 9.2 | | 17.1 | 50.1 | | 9.4 | | 39.4 | 28.2 | B | 9.0 | 36 | 13.7 | 15.8 | | 9.5 | | 36.7 | 37.3 | *a* | 7.7 | | 44.2 | 44.0 | K |
| 9.5 | | 49.0 | 18.0 | | 8.6 | | 43.0 | 58.1 | | 9.4 | | 19.3 | 6.8 | B | 9.2 | | 58.8 | 5.9 | | 8.8 | | 51.4 | 48.5 | K |
| 9.5 | | 57.8 | 39.0 | | 9.5 | | 46.8 | 5.3 | | 9.5 | | 27.0 | 22.0 | | 9.5 | 48 | 14.4 | 55.3 | | 9.5 | 5 | 0.0 | 39.2 | |
| 9.5 | 15 | 15.1 | 34.7 | B | 9.5 | 25 | 20.1 | 54.4 | | 9.5 | | 32.7 | 7.6 | | 9.5 | | 58.0 | 12.1 | | 9.4 | | 16.1 | 46.1 | |
| 9.5 | | 17.6 | 50.8 | | 9.0 | | 24.1 | 56.4 | B | 9.4 | | 35.9 | 57.9 | | 9.2 | 49 | 37.2 | 48.9 | K | 8.5 | | 33.1 | 41.6 | K |
| 9.5 | | 24.0 | 17.5 | | 9.4 | | 45.5 | 57.7 | | 9.5 | | 54.6 | 16.3 | | 8.5 | | 45.4 | 50.4 | K | 9.2 | | 52.4 | 29.8 | |
| 9.0 | | 38.3 | 45.9 | | 5.1 | 26 | 4.6 | 7.8 | *Kb* | 9.1 | 37 | 10.0 | 41.5 | K | 9.5 | 50 | 26.6 | 27.3 | *a* | 9.5 | 6 | 3.5 | 59.7 | |
| 7.7 | | 51.2 | 6.1 | K | 9.5 | | 5.5 | 24.3 | | 9.4 | | 26.2 | 37.6 | | 9.5 | 51 | 42.2 | 10.4 | | 9.4 | | 21.0 | 8.8 | |
| 8.5 | | 53.6 | 38.2 | K | 8.4 | | 5.8 | 33.1 | K | 9.0 | | 27.1 | 42.3 | K | 8.7 | | 47.0 | 0.1 | B | 6.5 | | 53.5 | 8.8 | *Kb* |
| 9.5 | | 56.6 | 0.7 | | 9.5 | | 7.6 | 19.3 | | 9.3 | | 35.5 | 17.6 | | 9.5 | 52 | 29.2 | 33.9 | | 9.2 | | 58.7 | 46.4 | *a* |
| 9.1 | 16 | 5.4 | 14.5 | *Kb* | 9.5 | | 12.8 | 39.7 | | 9.5 | | 57.2 | 44.0 | | 9.4 | 53 | 4.9 | 23.6 | | 9.5 | 8 | 3.1 | 9.4 | |
| 9.0 | | 13.3 | 40.7 | B | 8.0 | | 32.1 | 22.4 | K | 9.5 | 38 | 12.6 | 37.8 | | 9.4 | | 53.6 | 44.5 | | 9.5 | | 25.7 | 42.2 | B |
| 9.5 | | 40.9 | 44.6 | | 9.2 | | 34.2 | 20.8 | B | 8.8 | | 24.6 | 20.5 | | 9.4 | 54 | 12.9 | 10.8 | | 9.5 | | 30.2 | 25.8 | |
| 9.5 | | 49.9 | 29.4 | | 9.3 | | 37.1 | 8.7 | K | 9.2 | | 33.6 | 40.0 | | 9.5 | | 15.5 | 29.8 | | 9.3 | | 47.9 | 7.4 | |
| 9.5 | | 55.5 | 5.2 | | 9.5 | | 48.2 | 59.5 | | 9.3 | | 47.0 | 33.3 | *a* | 9.5 | | 23.0 | 34.7 | *a* | 8.6 | | 52.5 | 45.0 | |
| 9.5 | 17 | 16.0 | 1.4 | | 9.2 | | 51.6 | 50.2 | K | 9.3 | | 48.6 | 34.1 | | 9.4 | | 32.8 | 31.7 | B | 8.6 | 9 | 14.4 | 52.6 | |
| 9.5 | | 38.7 | 18.8 | | 9.5 | 27 | 18.5 | 3.8 | | 9.3 | | 49.8 | 39.3 | | 9.0 | | 34.2 | 50.2 | B | 9.5 | | 22.3 | 15.7 | |
| 9.5 | | 59.7 | 54.9 | | 9.4 | | 24.8 | 0.2 | B | 9.2 | | 54.2 | 33.8 | B | 9.4 | | 36.3 | 36.7 | *a* | 9.5 | | 24.3 | 4.6 | |
| 8.8 | 18 | 4.5 | 11.9 | | 9.1 | | 44.0 | 14.5 | | 9.5 | 39 | 0.6 | 2.8 | | 9.4 | | 49.5 | 42.0 | | 9.5 | | 26.5 | 26.5 | |
| 9.3 | | 18.8 | 50.9 | | 9.5 | 28 | 2.7 | 11.3 | | 9.5 | | 21.4 | 23.3 | | 9.1 | 55 | 21.2 | 53.1 | | 9.1 | | 38.5 | 14.9 | *Bb* |
| 9.3 | | 42.6 | 28.9 | | 9.3 | | 8.6 | 35.3 | | 9.5 | | 37.0 | 59.3 | | 9.5 | | 30.0 | 1.2 | | 9.1 | | 47.3 | 18.1 | |
| 9.3 | | 49.0 | 27.4 | | 9.3 | | 8.8 | 37.8 | | 9.5 | | 42.1 | 1.9 | | 9.5 | | 31.6 | 34.6 | | 9.1 | 10 | 11.7 | 31.7 | B |
| 9.1 | | 49.4 | 2.5 | *Bb* | 8.9 | | 14.5 | 5.4 | | 9.0 | | 54.5 | 48.9 | | 9.5 | | 33.2 | 56.7 | | 9.5 | | 22.5 | 45.8 | |
| 8.7 | | 53.1 | 41.5 | K | 9.2 | | 33.6 | 32.6 | *a* | 9.4 | | 58.8 | 15.4 | B | 8.7 | | 47.2 | 20.1 | S | 9.3 | | 23.9 | 13.6 | B |
| 9.5 | 19 | 7.2 | 19.3 | | 9.2 | | 35.1 | 27.7 | | 8.8 | 40 | 9.6 | 2.7 | K | 9.0 | | 58.0 | 0.5 | K | 9.5 | | 49.8 | 37.5 | |
| 9.5 | | 17.6 | 49.7 | *a* | 9.5 | | 51.6 | 21.0 | | 8.2 | | 10.6 | 41.5 | *B* | 9.0 | 56 | 39.4 | 5.0 | | 7.6 | 11 | 19.5 | 22.0 | K |
| 9.5 | | 18.0 | 25.2 | | 9.2 | 29 | 1.0 | 58.3 | | 8.3 | | 33.6 | 28.4 | K | 9.4 | | 52.8 | 39.7 | | 9.1 | | 38.7 | 1.9 | |
| 9.5 | | 26.0 | 57.2 | | 9.5 | | 19.5 | 40.2 | | 9.5 | | 36.9 | 42.5 | | 8.9 | 57 | 0.5 | 12.2 | L | 9.3 | | 50.2 | 13.7 | |
| 9.5 | | 39.6 | 53.4 | B | 9.0 | | 28.2 | 47.5 | K | 8.6 | | 38.0 | 58.7 | K | 7.8 | | 5.6 | 25.2 | K | 9.5 | 12 | 38.4 | 5.2 | |
| 9.4 | | 45.4 | 52.1 | | 9.5 | | 45.0 | 4.6 | | 9.4 | | 53.3 | 38.5 | | 9.5 | | 9.8 | 49.0 | | 9.5 | | 57.5 | 35.2 | |
| 9.3 | | 53.6 | 1.0 | *a* | 9.5 | | 55.2 | 23.5 | | 9.5 | | 55.7 | 44.2 | | 8.6 | | 39.1 | 26.3 | K | 9.5 | 13 | 37.5 | 41.2 | |
| 8.0 | 20 | 28.6 | 52.1 | K | 9.5 | 30 | 1.6 | 35.7 | | 9.5 | 41 | 1.8 | 13.0 | *a* | 9.4 | 58 | 8.5 | 1.8 | B | 9.2 | | 43.6 | 25.8 | *Bb* |
| 9.0 | | 28.9 | 59.1 | | 9.3 | | 15.4 | 55.7 | | 9.5 | | 1.9 | 14.0 | B | 6.8 | | 18.0 | 25.0 | K | 9.5 | 14 | 1.4 | 2.3 | |
| 9.4 | | 49.0 | 58.2 | *a* | 9.4 | | 23.8 | 36.0 | B | 9.5 | | 38.3 | 5.4 | | 9.5 | | 25.5 | 31.7 | | 8.8 | | 17.9 | 59.4 | K |
| 9.5 | 21 | 0.1 | 32.1 | | 6.0 | | 24.6 | 22.9 | *Kb* | 9.5 | | 46.8 | 54.1 | | 9.1 | | 28.0 | 39.9 | B | 8.9 | | 48.3 | 49.3 | K |
| 9.5 | | 2.8 | 22.7 | | 9.3 | | 26.2 | 25.4 | | 9.5 | 42 | 2.0 | 5.5 | | 9.4 | | 34.8 | 42.9 | | 7.9 | | 54.1 | 4.5 | K |
| 6.8 | | 13.6 | 18.3 | K | 8.7 | | 26.6 | 29.4 | K | 9.1 | | 26.2 | 16.3 | *b* | 9.5 | | 51.5 | 52.6 | | 8.8 | 15 | 11.9 | 6.7 | K |
| 9.5 | | 18.6 | 18.1 | | 9.4 | 31 | 0.3 | 52.0 | *a* | 9.5 | | 33.6 | 21.0 | | 9.0 | 59 | 14.2 | 26.0 | K | 9.3 | | 19.6 | 14.8 | |
| 9.5 | | 33.5 | 56.7 | | 9.2 | | 10.6 | 48.6 | B | 9.0 | | 56.4 | 46.7 | | 8.3 | 0 | 11.7 | 17.2 | K | 9.4 | | 34.6 | 8.6 | |
| 9.5 | | 36.4 | 3.5 | | 9.0 | | 14.6 | 15.0 | K | 9.4 | 43 | 21.6 | 35.1 | | 9.2 | | 29.1 | 28.5 | B | 9.0 | | 43.3 | 9.3 | K |
| 8.0 | 22 | 32.6 | 28.6 | *Kb* | 9.0 | | 15.6 | 30.9 | | 9.5 | | 23.9 | 2.7 | | 9.2 | | 36.0 | 56.3 | | 9.5 | | 54.2 | 39.8 | |
| 9.1 | | 37.9 | 49.6 | | 8.7 | | 16.8 | 48.1 | K | 9.2 | | 27.0 | 43.5 | | 9.5 | | 44.8 | 42.7 | | 9.5 | 16 | 22.8 | 13.4 | |
| 9.5 | | 50.2 | 10.8 | | 9.5 | | 20.2 | 54.5 | | 9.3 | | 40.7 | 8.9 | | 9.4 | | 56.3 | 18.8 | | 9.4 | | 36.1 | 54.8 | |
| 9.5 | 23 | 4.6 | 24.9 | | 9.5 | | 53.0 | 52.3 | *a* | 9.2 | | 46.5 | 7.7 | | 9.3 | 1 | 2.6 | 49.8 | | 4.0 | | 42.9 | 5.1 | K |
| 9.5 | | 8.8 | 11.1 | | 9.4 | 32 | 2.4 | 49.3 | | 8.4 | | 55.8 | 52.8 | K | 9.1 | | 3.4 | 36.9 | *Bb* | 9.1 | | 54.9 | 35.7 | |
| 9.5 | | 11.6 | 32.3 | | 6.5 | | 12.6 | 19.5 | *Kb* | 8.6 | 44 | 4.4 | 56.4 | K | 9.3 | | 11.7 | 47.9 | | 9.4 | 17 | 14.4 | 42.4 | B |
| 9.0 | | 12.1 | 53.0 | K | 9.2 | | 31.6 | 25.6 | K | 8.9 | | 9.0 | 22.7 | | 9.4 | | 22.1 | 35.1 | | 9.3 | | 21.6 | 45.1 | B |
| 9.4 | | 22.6 | 17.4 | | 9.3 | | 38.2 | 3.4 | | 9.3 | | 39.5 | 58.5 | | 9.4 | | 54.2 | 1.7 | | 9.4 | | 24.4 | 43.7 | *a* |
| 9.4 | | 27.5 | 11.7 | B | 9.3 | | 48.9 | 37.5 | | 9.4 | | 41.6 | 37.7 | *a* | 9.5 | 2 | 7.3 | 10.6 | | 9.1 | | 58.8 | 33.3 | *a* |
| 9.5 | | 31.9 | 21.7 | | 9.0 | 33 | 2.6 | 53.8 | K | 8.0 | | 48.0 | 33.6 | B | 9.1 | | 36.2 | 25.8 | *a* | 9.0 | 18 | 0.5 | 19.2 | |
| 8.9 | | 46.7 | 26.1 | | 9.3 | | 11.6 | 5.7 | | 9.2 | 45 | 4.7 | 54.8 | | 9.0 | | 44.8 | 44.3 | B | 9.0 | | 30.0 | 43.6 | *b* |
| 9.1 | | 57.6 | 45.6 | *a* | 9.4 | | 16.2 | 12.6 | | 9.4 | | 49.5 | 22.7 | B | 9.2 | 3 | 4.4 | 57.5 | *a* | 9.5 | 19 | 39.5 | 18.8 | |
| 7.6 | | 58.6 | 11.3 | K | 9.4 | 34 | 0.9 | 51.4 | | 9.5 | | 50.1 | 51.5 | *a* | 9.2 | | 5.9 | 37.8 | | 9.5 | | 45.6 | 6.7 | |
| 9.3 | 24 | 7.0 | 8.0 | | 9.5 | | 10.5 | 24.2 | | 9.5 | 46 | 7.3 | 58.4 | | 9.3 | | 16.8 | 21.6 | *a* | 9.1 | 20 | 14.0 | 36.7 | |
| 8.4 | | 11.5 | 10 8 | K | 9.1 | | 18.2 | 0.7 | *b* | 9.4 | | 12.8 | 50.0 | | 9.0 | | 19.5 | 26.1 | L | 6.0 | | 17.5 | 26.1 | K |
| 9.5 | | 12.9 | 59.7 | | 8.3 | | 29.0 | 31.8 | L | 9.3 | | 34.6 | 49.5 | B | 8.7 | | 33.8 | 44.7 | K | 9.5 | | 40.5 | 47.1 | |
| 9.3 | | 13.0 | 40.4 | | 9.5 | 35 | 9.6 | 36.5 | | 9.4 | | 51.3 | 29.2 | *a* | 9.4 | | 57.5 | 38.6 | | 9.5 | | 45.6 | 26.5 | |
| 9.1 | | 19.8 | 45.6 | | 9.0 | | 10.6 | 30.3 | K | 9.2 | | 56.9 | 55.5 | | 9.4 | 4 | 0.4 | 8.1 | | 9.5 | | 46.0 | 3.3 | B |
| 7.8 | | 33.6 | 5.1 | K | 9.5 | | 34.2 | 41.4 | | 9.1 | 47 | 12.2 | 36.3 | *Bb* | 8.2 | | 2.9 | 1.2 | *Kb* | 5.0 | | 47.5 | 13.0 | *Kb* |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 37.95 | 0.29 | | 10pr. | | 37.92 | 0.43 | | 10pr. | | 37.87 | 0.59 | | 10pr. | | 37.75 | 0.83 | | 10pr. | | 37.61 | 1.05 | |

1401—1460

| | 7ᵐ | | +28° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.3 | 21 | 3.1 | 44.6 | |
| 9.3 | | 4.5 | 3.3 | B |
| 9.1 | | 16.2 | 10.9 | K |
| 9.4 | | 18.6 | 0.3 | |
| 8.0 | | 38.1 | 12.3 | K |
| 9.3 | | 47.9 | 25.1 | |
| 9.5 | | 50.8 | 31.6 | ? |
| 9.1 | 22 | 5.5 | 18.5 | K |
| 9.1 | 23 | 50.4 | 57.5 | K |
| 9.3 | 24 | 1.9 | 32.6 | |
| 9.3 | | 46.5 | 31.9 | |
| 9.4 | 25 | 3.2 | 33.4 | |
| 9.0 | | 7.8 | 59.3 | |
| 9.5 | | 14.3 | 4.7 | |
| 7.7 | | 26.0 | 43.0 | K |
| 7.0 | | 27.5 | 59.7 | B |
| 7.7 | | 37.0 | 48.7 | K |
| 7.8 | | 52.5 | 34.4 | K |
| 7.3 | 26 | 20.7 | 56.9 | K |
| 9.0 | 27 | 3.7 | 56.9 | K |
| 9.5 | | 44.6 | 42.6 | |
| 9.4 | | 50.3 | 11.7 | α |
| 9.5 | | 58.6 | 38.1 | |
| 9.5 | 28 | 8.5 | 32.9 | |
| 9.4 | | 39.3 | 6.7 | α |
| 8.2 | | 46.3 | 3.5 | Kb |
| 9.0 | 29 | 24.6 | 38.0 | K |
| 8.7 | | 29.6 | 37.5 | K |
| 9.5 | | 45.5 | 33.4 | |
| 9.4 | | 56.5 | 30.9 | |
| 9.5 | 30 | 0.8 | 50.9 | B |
| 9.0 | | 29.7 | 10.2 | K |
| 9.5 | | 48.6 | 26.0 | B |
| 9.5 | | 50.3 | 31.7 | |
| 8.8 | 31 | 31.3 | 3.6 | K |
| 9.4 | | 45.3 | 56.7 | B |
| 9.5 | | 47.0 | 21.6 | |
| 8.7 | | 49.2 | 16.7 | |
| 9.5 | | 53.5 | 56.1 | |
| 9.0 | | 58.1 | 43.0 | |
| 9.5 | 32 | 4.5 | 33.1 | |
| 9.4 | | 10.9 | 53.0 | |
| 9.5 | | 25.6 | 44.5 | |
| 9.5 | | 46.3 | 45.2 | |
| 9.4 | 33 | 21.5 | 33.2 | |
| 9.5 | | 28.5 | 37.7 | B |
| 9.4 | | 32.7 | 32.2 | |
| 9.5 | | 46.7 | 52.2 | |
| 9.4 | | 51.5 | 34.4 | |
| 9.4 | | 56.5 | 21.8 | |
| 9.5 | 34 | 2.6 | 25.5 | |
| 9.5 | | 16.8 | 8.3 | |
| 8.8 | | 19.6 | 40.0 | |
| 9.5 | | 20.9 | 54.5 | |
| 9.4 | | 42.5 | 32.4 | |
| 9.5 | | 51.0 | 56.1 | |
| 9.5 | | 58.3 | 32.4 | |
| 9.5 | 35 | 5.5 | 2.5 | ? |
| 9.3 | | 40.7 | 57.9 | |
| 9.5 | | 52.6 | 39.6 | |
| *10pr.* | | *37.43* | *1.28* | |

1461—1520

| | 7ᵐ | | +28° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 35 | 59.7 | 53.2 | |
| 9.4 | 36 | 5.3 | 10.0 | |
| 1.3 | | 26.4 | 22.2 | K |
| 9.0 | | 34.7 | 53.3 | |
| 9.4 | | 42.2 | 23.2 | |
| 9.5 | 37 | 41.4 | 14.5 | ? |
| 9.2 | | 44.3 | 7.7 | b |
| 9.3 | 38 | 46.5 | 38.5 | |
| 9.5 | 39 | 18.7 | 55.4 | α |
| 9.5 | | 22.5 | 33.4 | |
| 9.5 | | 45.2 | 0.6 | |
| 9.5 | | 48.7 | 51.4 | |
| 9.1 | | 58.7 | 49.4 | α |
| 8.0 | 40 | 0.7 | 55.6 | K |
| 9.5 | | 12.0 | 7.9 | |
| 8.2 | | 14.9 | 49.9 | K |
| 9.4 | | 19.4 | 51.6 | ? |
| 9.2 | | 21.6 | 42.5 | |
| 9.5 | | 42.1 | 22.3 | |
| 9.0 | | 46.6 | 42.2 | |
| 9.4 | | 51.7 | 50.6 | |
| 7.3 | | 57.5 | 33.1 | K |
| 9.5 | 41 | 15.3 | 10.1 | B |
| 9.5 | | 31.9 | 56.8 | ? |
| 9.5 | | 59.5 | 13.7 | |
| 9.5 | 42 | 6.3 | 3.3 | |
| 9.5 | | 13.4 | 56.4 | |
| 8.7 | | 14.9 | 11.4 | |
| 9.5 | | 56.7 | 57.9 | |
| 9.5 | 43 | 6.2 | 10.0 | |
| 9.4 | | 26.3 | 5.6 | |
| 9.5 | | 26.8 | 7.6 | α |
| 9.5 | | 37.6 | 44.6 | |
| 9.0 | | 58.8 | 6.9 | K |
| 9.5 | 44 | 2.3 | 59.8 | |
| 8.4 | | 19.2 | 16.5 | K |
| 7.1 | | 22.5 | 24.9 | K |
| 9.4 | | 54.0 | 2.5 | |
| 9.3 | 45 | 16.8 | 15.4 | K |
| 7.3 | 46 | 9.6 | 45.5 | K |
| 8.7 | | 32.7 | 53.7 | K |
| 8.5 | 47 | 2.3 | 4.5 | K |
| 9.5 | | 11.6 | 55.1 | |
| 9.4 | | 19.5 | 26.0 | R |
| 9.3 | | 34.7 | 52.9 | |
| 9.5 | | 54.3 | 6.5 | |
| 9.5 | | 55.5 | 30.1 | |
| 9.5 | 48 | 35.2 | 53.0 | |
| 9.5 | | 40.8 | 59.9 | |
| 9.5 | | 48.5 | 27.2 | |
| 8.8 | 49 | 6.7 | 33.9 | |
| 9.3 | | 14.3 | 7.7 | |
| 8.7 | 50 | 15.2 | 52.9 | K |
| 9.2 | | 21.3 | 57.3 | |
| 8.9 | | 23.3 | 7.7 | K |
| 9.5 | | 37.0 | 29.4 | |
| 9.5 | | 47.1 | 48.7 | |
| 9.2 | 51 | 0.5 | 26.2 | |
| 9.3 | | 6.5 | 24.7 | |
| 9.4 | | 17.6 | 44.5 | |
| *10pr.* | | *37.25* | *1.45* | |

1521—1580

| | 7ᵐ—8ᵐ | | +28° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 51 | 18.2 | 50.2 | |
| 9.1 | | 33.9 | 14.9 | b |
| 9.5 | 52 | 7.5 | 33.1 | |
| 9.5 | | 28.6 | 33.4 | α |
| 9.5 | | 35.4 | 20.1 | |
| 9.3 | | 59.6 | 40.6 | |
| 8.5 | 53 | 16.5 | 34.7 | Kb |
| 9.4 | 54 | 5.3 | 29.7 | |
| 8.2 | | 17.4 | 20.1 | K |
| 9.3 | | 19.2 | 13.4 | |
| 9.3 | | 33.0 | 14.7 | |
| 5.4 | | 36.3 | 11.9 | K |
| 9.3 | | 56.5 | 10.8 | B |
| 8.8 | | 57.3 | 11.4 | K |
| 9.2 | 55 | 1.5 | 25.4 | |
| 9.5 | | 2.8 | 46.0 | |
| 9.0 | | 9.4 | 43.3 | B |
| 9.2 | | 10.3 | 42.9 | B |
| 9.5 | | 24.4 | 16.4 | |
| 9.5 | | 40.1 | 55.3 | |
| 8.7 | | 51.6 | 0.4 | K |
| 9.4 | | 55.9 | 13.9 | |
| 8.8 | 56 | 9.2 | 51.9 | K |
| 8.8 | | 12.9 | 44.8 | |
| 9.1 | | 36.4 | 39.7 | |
| 9.4 | | 36.8 | 54.4 | |
| 9.5 | | 43.4 | 27.0 | |
| 9.4 | 57 | 5.5 | 54.8 | |
| 9.1 | | 16.2 | 19.7 | α |
| 9.2 | | 23.9 | 38.0 | |
| 9.0 | | 25.9 | 17.8 | K |
| 9.4 | | 45.4 | 45.5 | |
| 9.4 | 58 | 7.7 | 11.0 | B |
| 9.2 | | 9.2 | 15.8 | K |
| 9.2 | | 26.4 | 46.7 | B |
| 8.5 | | 39.2 | 14.2 | K |
| 9.4 | 59 | 0.4 | 51.4 | |
| 9.0 | | 4.4 | 2.2 | |
| 9.3 | | 42.6 | 56.0 | |
| 9.5 | 0 | 4.7 | 28.7 | |
| 9.5 | | 5.4 | 56.6 | ? |
| 8.7 | | 37.7 | 36.6 | L |
| 9.5 | 2 | 19.4 | 4.9 | B |
| 9.5 | | 28.7 | 53.5 | |
| 9.5 | 3 | 3.6 | 45.5 | α |
| 9.5 | | 5.7 | 56.6 | |
| 9.5 | | 7.4 | 27.2 | |
| 9.5 | | 38.2 | 50.7 | |
| 8.3 | 4 | 38.1 | 43.4 | K |
| 7.5 | 5 | 0.9 | 12.5 | K |
| 9.0 | | 45.4 | 12.8 | |
| 9.5 | 6 | 4.0 | 57.0 | |
| 9.0 | | 26.1 | 10.4 | B |
| 9.5 | 7 | 26.9 | 5.9 | |
| 8.5 | | 28.1 | 49.7 | K |
| 9.4 | | 30.3 | 30.4 | |
| 9.5 | 8 | 4.7 | 2.0 | |
| 9.4 | | 48.4 | 13.8 | |
| 9.0 | | 54.9 | 56.8 | |
| 9.5 | 9 | 8.9 | 0.8 | |
| *10pr.* | | *37.05* | *1.64* | |

1581—1640

| | 8ᵐ | | +28° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.5 | 9 | 35.1 | 14.2 | |
| 8.6 | | 54.4 | 14.5 | |
| 8.3 | 10 | 31.6 | 40.4 | |
| 8.9 | 11 | 9.7 | 55.3 | |
| 9.2 | | 11.4 | 53.3 | |
| 9.4 | | 26.4 | 13.5 | |
| 9.5 | 12 | 11.0 | 46.1 | |
| 9.0 | | 15.0 | 32.5 | Bb |
| 9.3 | | 36.3 | 26.1 | |
| 9.5 | | 44.0 | 22.7 | |
| 9.5 | 13 | 38.1 | 12.4 | |
| 9.3 | | 40.0 | 6.5 | |
| 9.5 | 14 | 27.3 | 33.5 | |
| 9.5 | 15 | 8.2 | 33.0 | |
| 9.3 | | 11.9 | 26.8 | |
| 9.5 | | 44.5 | 25.5 | |
| 9.5 | 16 | 0.8 | 55.5 | |
| 9.1 | | 10.3 | 48.9 | Kb |
| 8.3 | | 16.6 | 0.8 | |
| 8.0 | 17 | 15.5 | 52.8 | K |
| 9.5 | | 24.6 | 1.1 | |
| 6.0 | | 38.7 | 21.5 | Kb |
| 8.3 | | 51.0 | 32.0 | K |
| 9.3 | 18 | 28.9 | 52.9 | |
| 9.5 | | 48.1 | 18.6 | α |
| 8.5 | | 50.6 | 2.3 | K |
| 9.5 | 19 | 33.4 | 16.8 | B |
| 8.8 | | 37.8 | 39.9 | |
| 9.3 | | 55.3 | 46.8 | |
| 9.4 | 20 | 13.8 | 26.8 | |
| 9.4 | | 37.9 | 54.6 | B |
| 9.5 | 21 | 16.2 | 18.6 | |
| 8.7 | | 20.5 | 33.6 | B |
| 9.3 | | 34.7 | 13.8 | |
| 9.3 | | 35.7 | 47.5 | |
| 9.5 | | 45.0 | 8.1 | |
| 9.5 | 22 | 10.8 | 13.8 | |
| 9.5 | 23 | 5.5 | 25.7 | |
| 9.5 | | 17.7 | 23.4 | B |
| 9.1 | 24 | 19.4 | 52.1 | K |
| 9.5 | 25 | 18.7 | 18.9 | |
| 9.4 | | 27.1 | 57.6 | B |
| 8.9 | | 48.0 | 42.7 | K |
| 8.5 | | 49.1 | 56.0 | K |
| 9.3 | 26 | 25.4 | 41.2 | K |
| 9.4 | 27 | 59.7 | 29.9 | |
| 8.3 | 28 | 23.9 | 53.7 | K |
| 6.5 | | 34.8 | 47.7 | K |
| 9.0 | | 52.1 | 53.3 | K |
| 9.3 | 29 | 25.4 | 18.5 | Kb |
| 9.4 | 30 | 31.3 | 49.1 | |
| 9.4 | | 38.1 | 7.9 | |
| 9.5 | | 39.4 | 13.3 | |
| *9.5 | 31 | 5.4 | 3.3 | |
| 9.4 | | 7.0 | 8.5 | |
| 9.5 | | 28.4 | 51.2 | |
| 9.2 | | 30.2 | 36.4 | Bb |
| 9.4 | 33 | 19.5 | 50.9 | |
| 9.5 | 34 | 46.7 | 50.7 | α |
| 8.3 | 35 | 40.4 | 59.1 | K |
| *10pr.* | | *36.66* | *1.92* | |

1641—1700

| | 8ᵐ—9ᵐ | | +28° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.1 | 35 | 47.8 | 48.7 | α |
| 7.3 | 36 | 45.1 | 57.8 | K |
| 9.5 | 37 | 6.0 | 59.4 | |
| 8.2 | | 13.7 | 53.4 | K |
| 7.0 | | 30.0 | 6.9 | K |
| 9.3 | | 46.1 | 42.6 | |
| 7.0 | 38 | 23.3 | 41.5 | K |
| 8.4 | 39 | 8.7 | 30.6 | K |
| 9.5 | | 39.3 | 38.5 | |
| 9.0 | 40 | 31.8 | 51.9 | |
| 9.5 | | 36.5 | 6.1 | |
| 9.5 | | 56.3 | 53.4 | |
| 9.0 | 41 | 52.0 | 39.1 | |
| 9.5 | 42 | 6.2 | 5.4 | |
| 9.5 | | 11.4 | 38.8 | α |
| 9.5 | | 58.7 | 36.2 | |
| 9.0 | 43 | 1.6 | 33.1 | |
| 9.5 | | 29.8 | 11.6 | |
| 6.5 | | 45.5 | 48.5 | P |
| 6.0 | | 57.3 | 52.8 | Rb |
| 9.5 | 44 | 6.8 | 9.6 | |
| 9.5 | | 34.0 | 44.0 | |
| 9.4 | 45 | 27.7 | 16.1 | |
| 9.3 | | 33.5 | 48.1 | |
| 9.0 | 46 | 39.8 | 40.2 | |
| 5.5 | | 59.0 | 28.6 | Kb |
| 9.1 | 50 | 21.9 | 10.2 | ab |
| 9.5 | 51 | 12.4 | 4.9 | |
| 9.3 | | 12.4 | 47.8 | B |
| 9.5 | 52 | 2.0 | 7.9 | |
| 9.5 | | 45.4 | 33.7 | |
| 9.3 | 53 | 3.4 | 5.6 | |
| 9.0 | | 5.1 | 29.5 | K |
| 6.2 | | 10.4 | 26.2 | Kb |
| 9.5 | | 45.9 | 3.5 | |
| 9.5 | 54 | 5.7 | 52.9 | |
| 9.5 | | 18.7 | 38.7 | |
| 9.5 | | 19.1 | 8.3 | |
| 9.5 | | 20.5 | 4.2 | |
| 9.2 | | 28.4 | 44.6 | |
| 9.5 | 55 | 15.5 | 9.9 | |
| 9.1 | | 23.7 | 38.8 | α |
| 6.5 | | 31.4 | 27.8 | Kb |
| 8.8 | | 52.3 | 59.5 | |
| 9.5 | 56 | 9.4 | 56.4 | |
| 9.5 | | 36.1 | 37.0 | |
| 9.3 | 57 | 14.2 | 42.2 | B |
| 9.4 | | 32.5 | 13.3 | |
| 9.5 | | 51.4 | 10.3 | |
| 9.5 | 58 | 32.1 | 56.7 | |
| 8.5 | | 45.4 | 42.6 | Kb |
| 9.4 | 59 | 1.5 | 41.9 | |
| 9.3 | | 1.5 | 3.5 | |
| 8.2 | | 3.7 | 33.7 | K |
| 9.3 | | 12.0 | 17.5 | |
| 7.8 | | 28.4 | 8.6 | K |
| 8.3 | | 49.6 | 6.4 | K |
| 8.3 | | 51.4 | 7.1 | K |
| 9.5 | 0 | 21.0 | 54.7 | |
| 9.1 | | 21.8 | 0.7 | α |
| *10pr.* | | *36.02* | *2.28* | |

*1633 α*

| | | | | |
|---|---|---|---|---|
| *9.6* | *30* | *52.7* | *25.2* | *B* |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ᵐ | | +28° | | | 9ᵐ | | +28° | | | 9ᵐ—10ᵐ | | +28° | | | 10ᵐ | | +28° | | | 10ᵐ—11ᵐ | | +28° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.5 | 0 | 38.2 | 6.3 | | 8.7 | 19 | 38.7 | 49.2 | K | 9.5 | 48 | 33.0 | 58.3 | | 9.2 | 19 | 18.2 | 51.4 | | 9.5 | 44 | 37.1 | 21.9 | |
| 9.5 | | 50.0 | 11.6 | | 9.5 | | 51.6 | 7.5 | | 8.0 | | 35.8 | 47.2 | K | 9.2 | | 18.3 | 7.8 | | 9.1 | | 38.8 | 56.4 | K |
| 9.3 | 1 | 38.0 | 28.9 | *a* | 8.6 | 20 | 35.1 | 12.0 | | 8.7 | | 50.0 | 14.9 | | 9.5 | | 29.9 | 31.9 | | 9.4 | | 48.0 | 58.0 | |
| 9.2 | | 40.1 | 40.2 | | 8.8 | | 36.5 | 32.6 | | 6.5 | 50 | 9.8 | 28.3 | K | 9.4 | | 34.0 | 39.8 | | 9.4 | | 51.0 | 2.8 | |
| 9.5 | | 53.4 | 46.1 | *a* | 8.0 | 21 | 6.3 | 1.2 | *Kb* | 9.5 | | 24.1 | 0.7 | B | 9.1 | | 39.2 | 28.7 | | 8.0 | | 52.6 | 37.4 | K |
| 9.5 | 2 | 0.3 | 15.8 | | 9.5 | 22 | 17.0 | 33.7 | | 7.9 | 51 | 1.2 | 12.5 | *Kb* | 8.9 | | 47.9 | 25.3 | | 8.9 | 45 | 28.9 | 56.3 | K |
| 9.0 | | 19.4 | 27.1 | | 9.5 | | 18.3 | 0.3 | *a* | 7.8 | 52 | 21.6 | 51.9 | K | 8.3 | 21 | 6.8 | 14.4 | B | 9.4 | | 29.5 | 2.4 | *Rb* |
| 9.0 | | 54.0 | 36.3 | | 6.7 | | 49.5 | 1.9 | K | 9.2 | | 21.7 | 56.6 | | 9.0 | | 13.4 | 36.9 | | 9.4 | 46 | 12.2 | 16.5 | |
| 9.5 | 3 | 33.1 | 1.6 | | 9.4 | 25 | 48.7 | 27.5 | *a* | 9.4 | | 53.5 | 10.3 | | 9.1 | | 44.8 | 29.0 | *a* | 9.4 | | 17.5 | 54.1 | |
| 9.0 | | 49.4 | 28.5 | | 9.5 | 26 | 21.2 | 10.3 | | 9.4 | 53 | 7.3 | 53.0 | | 7.3 | | 53.4 | 36.2 | *Kb* | 9.4 | | 40.2 | 31.5 | |
| 9.1 | | 54.0 | 15.4 | | 8.2 | | 39.2 | 34.0 | L | 9.4 | 54 | 38.2 | 3.9 | | 8.0 | 22 | 16.0 | 4.8 | K | 9.5 | 48 | 1.7 | 57.4 | |
| 9.5 | 4 | 6.2 | 55.0 | | 8.2 | | 39.5 | 59.3 | K | 9.5 | 55 | 18.5 | 41.0 | | 9.4 | 23 | 22.7 | 53.6 | | 8.3 | | 26.6 | 30.2 | K |
| 9.5 | | 52.7 | 9.1 | | 9.0 | 27 | 44.4 | 17.2 | | 9.0 | | 26.9 | 55.8 | K | 9.0 | | 27.4 | 48.3 | *Kb* | 9.3 | | 40.3 | 41.1 | |
| 9.5 | | 53.3 | 0.6 | B | 9.0 | 28 | 1.3 | 58.6 | K | 9.5 | | 48.2 | 8.9 | *Bb* | 9.4 | | 40.6 | 11.1 | | 9.5 | 49 | 20.8 | 0.0 | |
| 9.5 | 5 | 13.0 | 24.4 | | 9.5 | | 6.5 | 57.0 | *a* | 7.5 | 56 | 16.5 | 33.2 | K | 9.4 | | 55.0 | 51.8 | B | 9.4 | 50 | 35.6 | 12.0 | |
| 9.4 | | 37.9 | 28.8 | | 9.0 | | 7.7 | 36.6 | B | 9.5 | 57 | 9.8 | 54.9 | | 9.5 | 24 | 16.2 | 48.4 | | 9.4 | 51 | 14.4 | 46.6 | |
| 9.0 | | 43.0 | 47.8 | | 9.3 | | 18.2 | 27.8 | | 9.5 | 58 | 1.1 | 40.0 | | 9.3 | | 19.1 | 37.0 | | 8.6 | | 34.9 | 54.0 | *Kb* |
| 8.4 | 6 | 0.8 | 22.8 | B | 9.5 | | 18.6 | 54.8 | | 9.0 | | 12.3 | 28.0 | | 9.1 | | 46.0 | 34.9 | | 9.4 | | 41.8 | 54.9 | *a* |
| 9.5 | | 7.7 | 47.4 | | 8.9 | | 20.9 | 38.4 | K | 9.2 | | 40.8 | 29.7 | | 8.2 | 25 | 10.8 | 32.1 | K | 9.0 | 53 | 5.5 | 3.0 | |
| 9.5 | | 17.0 | 12.2 | | 7.3 | | 23.7 | 24.7 | K | 9.5 | | 51.6 | 20.3 | | 9.5 | 26 | 2.4 | 13.5 | | 9.5 | | 38.6 | 6.2 | |
| 9.5 | | 51.6 | 45.3 | | 9.0 | | 25.5 | 45.8 | K | 8.5 | 59 | 19.2 | 45.8 | K | 9.2 | | 7.2 | 41.8 | | 8.3 | 54 | 15.9 | 38.0 | K |
| 7.8 | | 57.1 | 31.2 | K | 9.3 | | 28.9 | 54.6 | B | 9.5 | 0 | 39.5 | 7.0 | | 6.8 | | 43.2 | 43.5 | K | 9.5 | | 38.3 | 40.9 | |
| 8.3 | 7 | 16.1 | 29.1 | K | 9.3 | | 32.1 | 6.0 | B | 9.5 | 1 | 9.6 | 22.1 | | 9.5 | 27 | 13.1 | 51.1 | *Bζ* | 8.5 | 56 | 43.9 | 32.9 | K |
| 9.5 | | 17.5 | 55.7 | | 9.5 | 29 | 6.4 | 40.7 | | 8.6 | | 10.9 | 41.1 | K | 9.1 | | 13.3 | 30.4 | | 9.3 | | 50.2 | 26.4 | |
| 9.0 | | 20.0 | 50.2 | | 7.8 | 30 | 1.5 | 40.0 | K | 9.4 | | 52.4 | 56.2 | | 9.2 | | 23.8 | 43.7 | K | 9.5 | 57 | 36.6 | 11.5 | |
| 9.5 | 8 | 30.4 | 48.5 | | 9.5 | | 5.1 | 34.3 | B | 9.5 | 2 | 3.2 | 29.0 | | 9.2 | | 27.6 | 50.7 | B | 9.0 | | 44.0 | 48.1 | K |
| 8.8 | | 41.1 | 30.2 | | 9.5 | | 8.0 | 0.1 | | 8.4 | | 9.4 | 54.7 | K | 8.8 | 28 | 4.4 | 2.3 | K | 9.1 | 58 | 20.7 | 50.8 | K |
| 9.3 | 9 | 2.3 | 54.3 | B | 9.5 | | 25.4 | 9.0 | | 9.5 | | 12.8 | 16.2 | | 8.4 | | 43.2 | 32.4 | K | 9.4 | 59 | 17.5 | 8.4 | |
| 6.7 | | 3.3 | 1.7 | K | 9.5 | | 53.2 | 53.4 | | 9.2 | | 14.3 | 3.4 | *b* | 9.5 | 29 | 10.7 | 36.9 | | 9.5 | | 18.2 | 28.1 | |
| 8.9 | | 8.2 | 5.6 | K | 9.5 | 31 | 4.9 | 23.9 | | 8.0 | 3 | 20.8 | 33.2 | K | 9.5 | | 58.4 | 52.7 | | 9.4 | 0 | 57.8 | 52.8 | B |
| 9.4 | | 23.2 | 7.4 | *a* | 9.5 | | 5.0 | 59.6 | | 9.1 | 4 | 24.5 | 52.9 | | 9.4 | 30 | 31.6 | 10.3 | | 8.3 | 1 | 5.8 | 46.3 | K |
| 8.7 | | 26.0 | 45.7 | *Kb* | 9.2 | | 35.7 | 57.2 | B | 7.0 | | 28.8 | 57.3 | K | 9.4 | | 36.9 | 4.3 | | 9.1 | 2 | 2.3 | 39.1 | K |
| 9.3 | | 46.4 | 10.2 | | 9.0 | | 52.6 | 53.2 | | 9.4 | | 37.0 | 14.6 | | 9.3 | | 52.1 | 34.7 | B | 9.3 | | 12.0 | 15.8 | |
| 9.1 | | 56.3 | 6.1 | *a* | 9.4 | 32 | 27.2 | 38.7 | | 9.4 | | 46.7 | 21.4 | | 8.7 | 32 | 12.2 | 46.5 | K | 9.3 | | 43.3 | 28.5 | |
| 8.9 | 10 | 20.4 | 52.9 | K | 9.0 | | 29.3 | 28.3 | *Kb* | 8.0 | | 56.5 | 8.4 | K | 8.8 | | 18.4 | 46.5 | K | 9.1 | 3 | 14.4 | 0.8 | K |
| 9.5 | | 42.3 | 59.4 | | 9.5 | 33 | 3.8 | 6.9 | | 9.3 | 5 | 14.6 | 57.8 | *a* | 6.5 | | 19.7 | 15.9 | *Kb* | 9.5 | 4 | 28.0 | 55.5 | |
| 8.8 | 11 | 4.4 | 52.6 | | 8.5 | | 10.5 | 36.9 | L | 9.1 | 6 | 58.4 | 7.1 | *b* | 8.0 | 33 | 36.9 | 5.2 | K | 9.5 | 6 | 29.9 | 6.3 | *a* |
| 8.7 | | 11.4 | 1.8 | B | 9.5 | 34 | 43.9 | 27.3 | | 9.4 | 7 | 39.6 | 32.4 | *a* | 9.0 | | 41.8 | 13.8 | K | 9.4 | 7 | 9.7 | 1.7 | |
| 7.9 | | 24.0 | 54.0 | K | 9.4 | 35 | 22.8 | 0.2 | | 9.4 | | 41.6 | 29.4 | B | 9.5 | 34 | 40.2 | 14.6 | | 6.8 | | 34.3 | 21.9 | S |
| 9.0 | | 31.4 | 51.3 | | 9.0 | | 28.4 | 23.1 | | 9.4 | | 42.7 | 57.3 | | 9.3 | | 50.0 | 16.3 | | 9.0 | | 53.9 | 20.6 | |
| 9.1 | 12 | 41.9 | 4.3 | *a* | 9.4 | 36 | 46.2 | 44.2 | | 9.5 | | 58.2 | 5.6 | | 9.5 | 35 | 4.3 | 52.1 | B | 8.7 | 8 | 38.0 | 11.7 | L |
| 9.5 | 14 | 13.0 | 13.3 | | 7.3 | | 47.9 | 25.7 | L | 9.0 | 8 | 0.5 | 11.7 | | 9.4 | | 40.7 | 33.1 | | 9.5 | 9 | 13.3 | 11.5 | |
| 9.5 | | 39.7 | 51.3 | | 9.2 | 37 | 20.1 | 55.1 | | 9.3 | | 19.7 | 53.3 | | 8.5 | | 54.8 | 9.4 | L | 6.5 | | 58.5 | 9.2 | K |
| 9.5 | 15 | 19.4 | 56.8 | | 8.8 | | 50.5 | 25.9 | | 9.5 | 9 | 1.8 | 56.5 | | 9.5 | 36 | 50.3 | 39.8 | | 9.4 | 10 | 17.1 | 41.2 | |
| 8.0 | | 23.0 | 31.9 | K | 9.3 | 38 | 9.2 | 11.1 | | 9.1 | | 11.2 | 47.7 | *Bb* | 8.5 | 37 | 40.7 | 43.5 | *Kb* | 9.3 | | 30.4 | 44.9 | B |
| 8.8 | | 43.7 | 45.0 | | 9.1 | | 26.2 | 32.8 | | 7.7 | | 55.1 | 14.9 | K | 9.5 | 38 | 52.0 | 11.9 | | 9.1 | | 36.1 | 39.1 | B |
| 9.4 | | 52.4 | 14.7 | | 9.5 | 39 | 21.0 | 42.1 | | 6.7 | 10 | 1.5 | 8.2 | K | 9.5 | 39 | 5.4 | 58.1 | B | 9.5 | | 56.6 | 39.2 | |
| 9.2 | | 57.4 | 56.3 | *Kb* | 9.5 | 40 | 25.1 | 29.2 | | 9.5 | | 13.5 | 57.8 | | 9.3 | | 12.2 | 11.9 | | 9.4 | 11 | 13.9 | 28.4 | |
| 9.5 | 16 | 10.4 | 32.3 | | 9.5 | | 25.1 | 21.6 | | 8.8 | | 39.2 | 6.6 | K | 9.5 | | 45.6 | 19.2 | | 9.3 | 12 | 30.7 | 57.5 | B |
| 9.4 | | 49.3 | 55.1 | | 9.1 | 41 | 2.2 | 44.9 | K | 8.8 | 11 | 45.5 | 24.3 | | 9.5 | 41 | 46.6 | 27.4 | | 9.5 | | 35.4 | 14.7 | |
| 9.5 | 17 | 6.4 | 11.3 | | 9.5 | | 47.8 | 13.5 | | 7.8 | 12 | 54.1 | 27.6 | K | 6.3 | | 55.9 | 44.9 | K | 9.3 | 13 | 15.3 | 51.3 | |
| 9.2 | | 43.3 | 40.2 | | 9.5 | | 51.5 | 51.9 | | 9.3 | 13 | 15.4 | 43.9 | *Bb* | 9.5 | 42 | 0.0 | 2.8 | | 9.5 | | 25.2 | 20.9 | |
| 9.5 | 18 | 15.4 | 23.3 | | 9.1 | 43 | 6.4 | 11.1 | | 9.5 | | 53.0 | 42.5 | | 8.9 | | 27.5 | 53.6 | K | 9.0 | | 26.6 | 15.4 | *Kb* |
| 8.5 | | 16.7 | 15.7 | K | 8.5 | | 7.8 | 15.5 | | 9.5 | 14 | 4.4 | 58.6 | | 9.5 | | 44.3 | 36.3 | | 9.4 | | 27.6 | 28.4 | |
| 9.2 | | 21.3 | 56.0 | | 7.4 | 44 | 7.0 | 27.1 | B | 9.4 | | 31.2 | 36.2 | *a* | 9.1 | | 51.5 | 17.0 | | 9.5 | 14 | 33.0 | 34.6 | |
| 9.1 | | 25.8 | 47.5 | | 7.3 | 45 | 40.2 | 22.8 | K | 9.5 | 16 | 40.5 | 22.5 | | 9.5 | 43 | 36.3 | 20.8 | B | 9.5 | 16 | 1.3 | 12.1 | B |
| 9.5 | | 45.7 | 49.1 | | 9.2 | | 52.1 | 44.9 | | 9.5 | | 45.2 | 36.4 | B | 9.0 | | 46.1 | 4.6 | K | 9.5 | | 2.1 | 46.0 | |
| 9.5 | | 59.5 | 26.1 | | 8.7 | 46 | 24.0 | 2.0 | *Kb* | 9.2 | 18 | 3.3 | 2.3 | K | 9.3 | 44 | 7.0 | 45 3 | | 9.5 | | 10.4 | 13.6 | |
| 9.5 | 19 | 4.3 | 36.7 | | 9.5 | | 30.0 | 19.7 | | 8.9 | 19 | 8.9 | 36.3 | B | 9.4 | | 11.9 | 50.8 | | 8.4 | | 50.7 | 0.8 | K |
| 9.4 | | 25.4 | 26.5 | | 9.5 | 47 | 42.4 | 11.5 | | 9.5 | | 15.8 | 15.9 | | 9.4 | | 28.3 | 17.4 | B | 9.5 | 17 | 28.2 | 50.4 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *35.63* | *2.45* | | *10pr.* | | *35.10* | *2.66* | | *10pr.* | | *34.24* | *2.92* | | *10pr.* | | *33.49* | *3.09* | | *10pr.* | | *32.57* | *3.23* | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11ª | | +28° | | | 11ª—12ª | | +28° | | | 12ª | | +28° | | | 12ª—13ª | | +28° | | | 13ª—14ª | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 17 | 31.8 | 27.7 | B | 9.5 | 48 | 3.1 | 19.5 | | 9.5 | 21 | 45.7 | 28.4 | | 9.3 | 58 | 49.3 | 12.0 | B | 8.0 | 28 | 3.3 | 14.7 | |
| 8.9 | | 37.6 | 44.0 | Kb | 9.3 | 49 | 13.9 | 52.8 | | 9.2 | 22 | 36.2 | 23.0 | | 8.8 | 59 | 33.9 | 51.1 | K | 9.3 | | 55.5 | 40.2 | K |
| 9.5 | 18 | 46.6 | 55.2 | | 9.5 | 50 | 24.0 | 12.7 | | 8.9 | 23 | 2.3 | 21.6 | | 9.5 | | 47.2 | 7.3 | | 9.2 | 30 | 1.4 | 55.7 | K |
| 9.4 | 19 | 0.8 | 32.3 | B | 8.8 | 51 | 4.8 | 4.2 | | 9.5 | | 16.0 | 20.2 | | 8.4 | | 52.0 | 59.5 | K | 7.9 | | 11.2 | 42.5 | K |
| 9.2 | | 48.4 | 53.0 | | 9.5 | | 31.9 | 37.8 | | 8.4 | | 51.3 | 31.9 | L | 5.1 | 0 | 15.1 | 24.8 | Kb | 8.0 | 31 | 37.0 | 1.5 | B |
| 9.5 | 20 | 18.2 | 11.3 | B | 9.2 | 52 | 10.7 | 29.7 | b | 9.2 | 24 | 38.1 | 47.4 | K | 9.5 | | 15.3 | 5.6 | | 9.5 | 32 | 0.8 | 54.2 | |
| 9.5 | | 44.6 | 31.5 | | 9.5 | | 19.0 | 11.4 | B | 9.5 | | 47.5 | 6.1 | | 6.8 | | 58.5 | 19.3 | Kb | 9.5 | | 5.0 | 10.0 | |
| 8.8 | 21 | 54.1 | 52.6 | K | 9.0 | | 30.8 | 55.6 | K | 8.7 | 25 | 15.7 | 53.7 | K | 9.5 | 1 | 11.0 | 59.6 | B | 6.5 | 33 | 56.3 | 49.0 | Kb |
| 9.4 | 22 | 5.6 | 33.2 | | 8.3 | 53 | 39.0 | 47.0 | K | 8.5 | | 40.2 | 20.9 | | 8.9 | | 46.8 | 23.5 | K | 9.0 | | 57.7 | 34.6 | |
| 9.3 | | 55.5 | 4.0 | | 9.5 | 54 | 32.7 | 34.2 | | 9.5 | | 55.9 | 4.4 | | 9.5 | 2 | 22.1 | 36.3 | | 8.8 | 35 | 41.5 | 35.7 | |
| 9.4 | | 59.6 | 33.0 | | 9.5 | | 40.9 | 0.2 | | 9.1 | 26 | 4.5 | 2.9 | b | 9.5 | | 33.6 | 29.3 | | 8.3 | | 46.8 | 56.4 | K |
| 8.1 | 23 | 32.6 | 20.2 | Kb | 9.5 | 56 | 12.7 | 41.2 | | 9.4 | | 12.7 | 10.9 | a | 9.1 | 4 | 30.1 | 21.4 | K | 8.9 | | 52.9 | 0.1 | Kb |
| 9.5 | 24 | 21.6 | 11.9 | | 9.2 | | 29.1 | 54.0 | B | 8.4 | | 25.7 | 52.8 | K | 5.0 | 5 | 6.7 | 37.0 | K | 8.6 | 36 | 19.0 | 11.6 | K |
| 8.8 | 26 | 20.2 | 3.3 | L | 8.2 | | 40.0 | 51.9 | K | 8.5 | 27 | 42.6 | 14.7 | K | 9.5 | | 11.5 | 58.2 | | 7.0 | 37 | 29.6 | 18.8 | K |
| 9.4 | | 37.1 | 31.5 | | 9.5 | 57 | 34.4 | 11.1 | B | 9.5 | 28 | 24.0 | 21.3 | | 9.4 | | 34.3 | 28.0 | | 9.5 | 38 | 5.3 | 32.5 | |
| 8.9 | | 51.6 | 34.0 | L | 9.5 | 58 | 32.8 | 58.3 | | zeb | | 52.0 | 45.7 | | 8.8 | | 53.4 | 7.0 | | 9.1 | | 25.9 | 47.8 | K |
| 9.1 | | 52.1 | 42.5 | | 9.1 | | 44.7 | 21.6 | K | 9.5 | 29 | 32.1 | 17.8 | | 9.5 | 6 | 20.7 | 5.4 | | 9.0 | | 26.2 | 54.8 | K |
| 9.3 | 27 | 20.2 | 32.6 | | 9.1 | | 52.0 | 18.8 | | 9.5 | 30 | 21.9 | 36.5 | b | 9.1 | | 29.9 | 15.5 | K | 9.5 | 39 | 38.7 | 38.3 | B |
| 9.5 | 28 | 17.1 | 11.6 | | 9.3 | 59 | 34.5 | 36.2 | B | 9.5 | 32 | 1.7 | 13.0 | | 9.4 | | 58.0 | 36.0 | | 8.2 | | 54.5 | 40.5 | K |
| 9.5 | | 25.1 | 47.0 | | 9.5 | | 55.3 | 20.2 | | 9.5 | | 34.0 | 23.6 | | 9.5 | 7 | 40.4 | 45.7 | | 9.5 | | 59.0 | 5.9 | B |
| 8.2 | | 25.1 | 42.9 | K | 9.4 | 0 | 21.8 | 5.6 | a | 9.3 | | 59.2 | 42.6 | Kb | 9.4 | | 54.5 | 10.4 | B | 9.5 | 42 | 1.6 | 22.3 | |
| 6.0 | | 40.6 | 34.7 | S | 8.9 | 1 | 1.7 | 47.0 | | 9.5 | 33 | 9.3 | 34.3 | | 9.3 | | 55.4 | 56.2 | | 6.8 | | 6.8 | 36.1 | K |
| 8.0 | 29 | 36.6 | 34.3 | K | 9.0 | | 6.5 | 58.8 | K | 9.2 | 35 | 15.1 | 45.2 | K | 9.5 | | 57.0 | 1.9 | B | 9.3 | | 21.1 | 42.2 | K |
| 8.1 | | 59.6 | 13.7 | K | 5.9 | 3 | 25.6 | 5.8 | K | 9.5 | | 22.6 | 13.8 | | 9.5 | 8 | 6.9 | 11.0 | | 9.5 | | 41.6 | 48.5 | |
| 9.5 | 31 | 40.0 | 30.5 | | 9.4 | | 37.8 | 42.9 | | 8.3 | 36 | 52.5 | 8.2 | | 8.2 | 9 | 25.7 | 30.9 | K | 8.7 | 43 | 5.6 | 17.5 | K |
| 8.8 | 32 | 12.7 | 58.8 | Kb | 9.5 | 4 | 48.3 | 25.4 | B | 7.8 | 37 | 13.7 | 46.9 | K | 9.2 | 11 | 0.6 | 26.4 | K | 9.0 | | 50.1 | 14.1 | K |
| 9.1 | | 34.6 | 41.9 | K | 7.8 | 5 | 4.9 | 10.3 | K | 9.3 | | 18.3 | 0.4 | K | 8.5 | | 4.6 | 12.3 | K | 9.5 | 44 | 51.2 | 50.4 | |
| 9.3 | 33 | 15.3 | 1.5 | | 9.4 | | 8.7 | 1.7 | | 7.5 | | 57.1 | 11.7 | K | 8.8 | | 6.2 | 49.5 | K | 9.5 | | 57.8 | 6.6 | |
| 7.9 | | 54.7 | 25.7 | K | 8.5 | | 31.2 | 23.0 | Kb | 8.3 | | 57.5 | 33.1 | Lb | 8.7 | | 11.7 | 54.5 | K | 8.5 | 46 | 17.1 | 54.8 | Kb |
| 9.5 | 34 | 34.2 | 25.0 | | 9.5 | 6 | 57.8 | 40.5 | B | 8.8 | 38 | 1.9 | 7.7 | K | 8.9 | | 54.7 | 55.2 | K | 9.4 | | 22.6 | 5.4 | B |
| 9.5 | | 43.4 | 14.7 | | 9.2 | | 59.2 | 37.3 | Kb | 9.0 | 40 | 32.4 | 12.6 | L | 9.1 | | 55.2 | 53.2 | K | 9.1 | | 24.1 | 49.8 | K |
| 8.8 | 35 | 9.9 | 4.0 | K | 9.4 | 7 | 22.0 | 41.8 | | 7.9 | 41 | 21.9 | 36.0 | K | 9.0 | 12 | 10.8 | 23.3 | Kb | 8.5 | | 25.3 | 32.9 | K |
| 7.3 | | 47.4 | 51.2 | K | 9.5 | | 46.2 | 14.1 | B | 6.2 | 42 | 15.8 | 20.4 | L | 7.9 | 13 | 3.3 | 51.6 | K | 8.5 | | 27.6 | 21.6 | K |
| 8.0 | | 53.6 | 21.7 | K | 9.1 | 8 | 20.0 | 42.7 | K | 8.9 | 44 | 11.2 | 6.7 | | 9.1 | | 31.7 | 27.8 | K | 8.0 | | 53.6 | 13.0 | L |
| 9.5 | 36 | 46.8 | 8.2 | | 8.1 | | 43.7 | 51.5 | K | 8.3 | | 23.4 | 1.9 | K | 9.3 | | 52.1 | 43.9 | K | 9.5 | 47 | 9.6 | 40.9 | |
| 9.2 | 37 | 23.1 | 26.6 | | 9.1 | 9 | 16.6 | 27.5 | K | 5.0 | | 41.4 | 20.0 | Kb | 9.3 | 14 | 7.5 | 0.2 | | 9.5 | | 59.6 | 1.7 | |
| 8.0 | | 24.0 | 12.5 | K | 8.2 | | 37.9 | 32.6 | K | 9.1 | | 51.8 | 54.8 | | 9.5 | | 10.0 | 42.9 | | 9.4 | 49 | 27.5 | 55.9 | |
| 9.1 | | 39.7 | 55.0 | K | 9.4 | | 49.2 | 33.2 | | 8.9 | 45 | 1.9 | 54.4 | L | 9.1 | | 40.2 | 52.8 | K | 5.0 | | 56.6 | 13.0 | Kb |
| 7.3 | | 51.3 | 1.3 | L | 9.5 | 10 | 49.7 | 59.5 | | 9.1 | | 57.9 | 36.6 | K | 9.5 | | 45.0 | 0.9 | | 9.3 | 51 | 29.2 | 56.1 | K |
| 9.5 | 38 | 38.4 | 1.7 | a | 7.5 | | 53.5 | 7.3 | K | 9.5 | 46 | 34.6 | 25.2 | | 9.4 | 15 | 4.6 | 23.3 | | 9.2 | | 50.5 | 56.5 | K |
| 9.4 | 39 | 22.1 | 48.0 | | 9.5 | | 55.6 | 19.5 | B | 9.4 | | 54.8 | 55.9 | B | 8.9 | | 49.6 | 39.7 | B | 9.5 | 52 | 6.9 | 57.0 | |
| 8.9 | | 37.4 | 59.7 | K | 9.5 | 11 | 37.7 | 39.5 | | 9.5 | 47 | 2.7 | 6.0 | | 9.5 | | 57.7 | 31.2 | | 9.2 | | 28.5 | 59.5 | K |
| 9.2 | | 44.6 | 15.6 | L | 9.0 | | 45.0 | 51.4 | K | 8.8 | | 3.6 | 27.3 | K | 9.4 | | 58.0 | 45.4 | | 9.5 | 53 | 1.6 | 29.5 | |
| 8.5 | | 48.5 | 13.2 | L | 9.5 | | 53.7 | 17.1 | | 9.5 | | 8.1 | 40.7 | | 8.3 | 18 | 18.5 | 44.9 | K | 9.0 | | 22.8 | 52.2 | |
| 9.3 | 40 | 22.6 | 48.4 | | 9.3 | 12 | 3.2 | 44.1 | a | 9.3 | | 48.4 | 41.5 | K | 9.5 | | 41.2 | 54.4 | | 9.5 | | 23.5 | 58.0 | |
| 7.5 | | 24.5 | 7.9 | K | 6.5 | | 14.1 | 57.8 | K | 8.9 | | 56.5 | 47.2 | K | 8.9 | 19 | 37.3 | 57.8 | K | 9.4 | | 36.6 | 47.7 | |
| 9.3 | | 27.3 | 12.3 | B | 9.3 | | 46.6 | 42.3 | K | 8.0 | 48 | 7.4 | 32.8 | K | 9.5 | | 53.4 | 19.4 | | 6.3 | 54 | 36.8 | 5.7 | K |
| 7.2 | 41 | 39.8 | 55.9 | K | 9.5 | 14 | 35.0 | 56.9 | | 9.5 | 49 | 9.2 | 53.9 | | 8.2 | 21 | 38.6 | 5.9 | K | 9.3 | 55 | 18.1 | 24.7 | K |
| 9.5 | 42 | 39.6 | 26.3 | | 8.5 | | 39.5 | 6.3 | | 9.1 | | 49.1 | 34.9 | K | 9.5 | | 57.3 | 39.8 | | 9.0 | 56 | 39.6 | 41.5 | K |
| 7.7 | 43 | 12.4 | 53.8 | K | 9.5 | 15 | 17.7 | 24.7 | | 7.5 | 51 | 44.9 | 15.2 | K | 9.5 | 23 | 1.2 | 8.6 | | 9.0 | | 44.7 | 30.5 | K |
| 9.4 | | 24.8 | 1.0 | B | 9.2 | 17 | 9.6 | 15.4 | K | 7.3 | 52 | 34.6 | 52.2 | K | 8.5 | | 1.7 | 25.1 | K | 7.5 | | 53.6 | 11.3 | K |
| 8.3 | 45 | 15.2 | 59.7 | K | 9.5 | | 35.3 | 13.0 | | 9.5 | 53 | 6.8 | 0.5 | | 8.6 | | 36.7 | 24.4 | K | 8.0 | 59 | 53.5 | 26.0 | K |
| 9.5 | | 30.6 | 49.3 | | 9.5 | | 59.2 | 27.5 | | 9.5 | 54 | 11.6 | 14.8 | | 9.5 | 24 | 1.5 | 42.5 | B | 9.5 | 2 | 47.3 | 54.9 | |
| 9.5 | | 40.0 | 19.8 | | 9.3 | 19 | 5.7 | 12.2 | K | 9.5 | | 51.5 | 7.2 | | 9.3 | | 22.0 | 26.7 | a | 8.0 | 3 | 55.1 | 18.5 | K |
| 9.1 | | 46.6 | 5.1 | L | 5.1 | | 10.2 | 4.9 | K | 9.5 | 55 | 9.0 | 35.5 | | 9.1 | | 47.2 | 0.6 | ab | 9.5 | 4 | 9.8 | 10.2 | |
| 9.0 | | 48.6 | 11.3 | K | 7.8 | 20 | 18.6 | 54.7 | K | 9.2 | 56 | 38.6 | 22.5 | Lb | 9.0 | 25 | 57.0 | 42.9 | b | 9.1 | | 40.6 | 40.8 | K |
| 9.5 | 46 | 28.3 | 52.6 | | 9.3 | | 33.2 | 23.6 | | 9.5 | | 40.5 | 53.9 | | 8.3 | 26 | 46.3 | 5.9 | K | 8.1 | 5 | 4.6 | 42.2 | K |
| 8.7 | | 31.4 | 45.9 | K | 8.2 | | 34.1 | 12.9 | K | 9.3 | 57 | 10.4 | 30.1 | | 8.7 | | 58.4 | 10.6 | K | 9.5 | | 21.9 | 2.5 | |
| 9.5 | 47 | 9.2 | 59.7 | | 9.5 | 21 | 6.2 | 50.7 | | 8.6 | | 19.0 | 53.4 | K | 9.4 | 27 | 3.7 | 55.0 | | 9.2 | | 37.5 | 2.7 | b |
| 9.5 | | 20.9 | 1.2 | B | 9.5 | | 44.3 | 40.8 | | 9.5 | 58 | 29.1 | 40.4 | | 9.5 | | 11.6 | 36.7 | | 9.2 | | 56.6 | 43.9 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 31.52 | 3.32 | | 10pr. | | 30.50 | 3.34 | | 10pr. | | 29.48 | 3.29 | | 10pr. | | 28.48 | 3.18 | | 10pr. | | 27.47 | 2.99 | |

| m | 2301—2360 14ᵘ | +28° | | m | 2361—2420 14ᵘ—15ᵘ | +28° | | m | 2421—2480 15ᵘ | +28° | | m | 2481—2540 15ᵘ—16ᵘ | +28° | | m | 2541—2600 16ᵘ | +28° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 6′ 0.″7 | 7.′5 | | 9.5 | 36′ 38.″4 | 3.′9 | | 9.5 | 14′ 25.″4 | 10.′5 | | 9.4 | 44′ 8.″1 | 55.′9 | | 8.8 | 10′ 25.″3 | 54.′8 | K |
| 8.5 | 45.6 | 21.9 | K | 9.5 | 37 9.2 | 29.8 | | 9.4 | 42.9 | 11.0 | | 9.5 | 16.3 | 33.0 | | 9.2 | 53.6 | 51.3 | K |
| 9.5 | 55.6 | 57.2 | | 9.0 | 41.7 | 6.6 | | 9.0 | 15 48.3 | 33.8 | B | 9.5 | 17.9 | 53.8 | | 9.2 | 58.2 | 10.3 | K |
| 8.5 | 7 36.7 | 15.4 | Kb | 9.5 | 38 5.8 | 49.1 | *b* | 9.3 | 16 13.9 | 34.1 | | 9.1 | 46 4.5 | 2.1 | Bb | 9.2 | 11 3.2 | 8.5 | *a* |
| 8.9 | 39.1 | 35.3 | K | 8.0 | 39 45.3 | 7.6 | K | 7.5 | 40.5 | 34.2 | K | 9.4 | 14.2 | 2.0 | B | 7.7 | 25.2 | 0.7 | Kb |
| 9.5 | 50.6 | 42.9 | | 8.0 | 40 6.2 | 31.3 | K | 9.4 | 52.1 | 3.4 | *a* | 8.9 | 20.0 | 32.5 | | 9.5 | 54.8 | 32.5 | |
| 9.2 | 8 18.8 | 8.9 | | 9.0 | 41 2.1 | 40.7 | K | 9.2 | 17 5.9 | 5.4 | Bb | 8.2 | 47 10.1 | 14.3 | K | 9.4 | 12 54.7 | 1.3 | |
| 9.5 | 47.2 | 54.0 | *B* | 8.4 | 6.9 | 50.0 | K | 9.4 | 38.5 | 5.0 | | 9.3 | 33.7 | 14.6 | | 9.1 | 13 1.1 | 46.9 | Kb |
| 7.0 | 57.6 | 25.3 | K | 9.4 | 32.8 | 13.6 | B | 9.1 | 54.3 | 25.5 | *ab* | 9.5 | 59.8 | 34.0 | | 9.4 | 15.1 | 3.9 | |
| 9.5 | 10 2.5 | 2.6 | | 8.7 | 39.5 | 8.2 | K | 9.3 | 18 2.5 | 45.2 | | 9.2 | 48 0.3 | 19.8 | K | 9.5 | 19.2 | 16.3 | |
| 9.3 | 11 17.6 | 21.5 | | 9.5 | 42 14.9 | 57.0 | B | 8.8 | 19 3.3 | 54.1 | | 9.5 | 12.5 | 36.7 | | 9.1 | 15 15.8 | 51.0 | *ab* |
| 9.0 | 21.1 | 13.8 | K | 9.5 | 45.1 | 53.0 | | 7.5 | 20 25.6 | 37.7 | L | 9.4 | 17.8 | 19.2 | *a* | 9.3 | 38.8 | 4.8 | |
| 9.4 | 49.2 | 0.6 | | 9.4 | 43 38.6 | 14.6 | Bb | 9.3 | 21 18.6 | 41.5 | | 9.5 | 49 43.2 | 6.4 | | 9.5 | 56.2 | 47.4 | B |
| 9.5 | 14 21.6 | 15.8 | *b* | 9.4 | 44 20.0 | 57.4 | *a* | 9.4 | 51.9 | 38.6 | | 8.0 | 43.9 | 51.0 | Kb | 8.3 | 16 51.8 | 48.2 | K |
| 9.5 | 37.7 | 36.0 | | 9.5 | 42.8 | 50.2 | | 8.8 | 22 28.0 | 7.1 | | 9.5 | 50 51.7 | 18.2 | | 9.5 | 17 17.7 | 8.4 | |
| 9.2 | 15 46.8 | 47.7 | Kb | 9.4 | 46 16.7 | 44.1 | | 9.1 | 46.7 | 0.0 | | 9.5 | 51 26.8 | 47.5 | | 9.3 | 59.8 | 34.4 | B |
| 9.5 | 16 15.6 | 38.1 | | 8.0 | 30.5 | 7.7 | K | 9.4 | 23 35.9 | 15.2 | | 9.4 | 27.2 | 43.5 | B | 8.9 | 18 1.4 | 52.5 | |
| 6.5 | 17 35.3 | 5.0 | K | 9.4 | 37.1 | 41.6 | B | 9.0 | 24 5.9 | 33.5 | | 9.5 | 36.8 | 0.9 | B | 9.3 | 6.5 | 29.7 | |
| 9.5 | 45.4 | 39.2 | | 9.4 | 47 21.0 | 9.7 | B | 8.2 | 16.2 | 9.2 | Kb | 9.5 | 45.6 | 57.9 | | 6.8 | 6.8 | 43.4 | K |
| 9.4 | 54.0 | 42.7 | B | 9.2 | 48 40.8 | 50.2 | *b* | 9.2 | 43.3 | 33.9 | *a* | 9.5 | 53.3 | 26.0 | | 8.5 | 38.2 | 37.2 | K |
| 9.5 | 55.9 | 56.6 | | 8.6 | 58.9 | 9.6 | K | 9.1 | 25 53.0 | 50.4 | Kb | 9.3 | 55.3 | 0.9 | B | 9.4 | 39.8 | 2.8 | B |
| 9.0 | 18 38.5 | 20.1 | Kb | 9.3 | 50 42.7 | 4.3 | | 9.4 | 26 28.6 | 13.8 | | 9.3 | 52 17.8 | 42.3 | *b* | 9.3 | 49.4 | 7.8 | |
| 9.5 | 19 42.2 | 47.8 | | 9.4 | 58.9 | 44.4 | | 8.2 | 59.7 | 0.1 | K | 8.0 | 42.8 | 9.1 | K | 9.5 | 52.0 | 1.0 | |
| 9.5 | 20 6.7 | 3.3 | | 9.4 | 51 13.2 | 56.8 | B | 9.1 | 27 2.3 | 52.5 | | 9.5 | 57.0 | 49.5 | | 8.6 | 54.5 | 5.7 | Kb |
| 8.0 | 9.5 | 18.7 | K | 9.5 | 17.7 | 7.8 | | 9.5 | 47.0 | 3.0 | | 9.4 | 54 18.8 | 31.5 | *a* | 9.3 | 19 27.3 | 38.0 | B |
| 9.5 | 25.7 | 4.7 | | 9.3 | 36.0 | 28.9 | *b* | 9.3 | 29 44.1 | 51.9 | | 8.5 | 55 8.3 | 32.7 | | 9.4 | 20 18.9 | 34.1 | |
| 9.1 | 36.8 | 59.2 | K | 9.5 | 52 4.8 | 30.3 | | 8.2 | 58.4 | 53.7 | K | 9.5 | 56 17.3 | 35.0 | | 9.5 | 21.8 | 35.7 | |
| 9.5 | 21 17.2 | 56.3 | | 9.1 | 55 6.3 | 22.3 | *b* | 9.4 | 30 31.3 | 10.7 | | 9.2 | 30.2 | 41.8 | *b* | 9.1 | 54.0 | 5.4 | *ab* |
| 8.8 | 26.1 | 9.3 | | 9.0 | 56 22.8 | 12.3 | | 9.5 | 31.3 | 5.5 | B | 9.5 | 57 44.7 | 16.0 | | 9.0 | 56.8 | 44.8 | |
| 9.5 | 32.5 | 49.8 | | 9.5 | 54.5 | 6.5 | | 9.5 | 31 14.9 | 14.8 | | 9.5 | 46.1 | 38.5 | Bb | 9.5 | 21 55.8 | 41.0 | |
| 7.5 | 22 7.5 | 56.0 | K | 7.0 | 56.2 | 50.7 | K | 8.8 | 34.6 | 47.0 | K | 9.4 | 58 3.2 | 24.0 | | 9.5 | 22 39.7 | 9.2 | |
| 7.0 | 10.6 | 56.0 | K | 8.8 | 57 36.9 | 45.9 | K | 9.5 | 32 40.4 | 2.6 | | 9.3 | 26.0 | 29.2 | | 9.5 | 23 38.4 | 54.1 | |
| 9.4 | 23.9 | 42.2 | | 9.5 | 56.2 | 12.9 | | 9.4 | 51.9 | 37.6 | | 9.3 | 26.3 | 17.1 | | 8.5 | 24 10.3 | 51.5 | K |
| 9.5 | 23 36.4 | 53.4 | | 9.4 | 58 6.5 | 14.5 | | 8.6 | 33 22.7 | 5.5 | L | 8.8 | 59 1.4 | 2.2 | Kb | 9.4 | 24.6 | 56.1 | B |
| 9.0 | 24 41.4 | 39.7 | K | 9.4 | 15.7 | 39.3 | B | 9.4 | 30.6 | 22.7 | | 9.5 | 24.8 | 42.3 | | 9.5 | 24.8 | 30.0 | |
| 9.4 | 45.0 | 2.4 | B | 9.4 | 17.4 | 9.2 | B | 8.5 | 34 37.8 | 14.9 | K | 9.4 | 0 5.4 | 55.1 | | 9.4 | 50.3 | 30.3 | B |
| 9.4 | 53.5 | 54.6 | | 9.3 | 18.2 | 55.3 | | 9.2 | 42.9 | 56.9 | | 9.5 | 54.7 | 8.6 | | 9.5 | 54.1 | 35.3 | |
| 8.3 | 25 3.9 | 26.4 | | 9.3 | 59 18.3 | 4.6 | K | 9.3 | 58.0 | 58.9 | B | 9.5 | 1 11.3 | 37.1 | | 9.5 | 57.4 | 4.0 | |
| 9.3 | 42.5 | 37.1 | | 9.5 | 1 47.6 | 45.2 | | 9.5 | 35 24.9 | 51.4 | | 9.3 | 17.4 | 59.4 | Rb | 8.9 | 25 17.1 | 47.9 | |
| 9.3 | 26 3.5 | 30.2 | | 9.5 | 2 3.0 | 58.5 | | 8.0 | 35.0 | 28.3 | K | 9.4 | 46.3 | 24.3 | R | 9.1 | 53.6 | 46.0 | B |
| 9.3 | 21.6 | 50.2 | | 9.3 | 40.2 | 48.0 | B | 9.5 | 36 33.6 | 51.8 | | 9.3 | 2 10.2 | 50.2 | | 7.8 | 26 36.5 | 0.9 | K |
| 8.9 | 53.4 | 2.2 | K | 9.3 | 40.2 | 13.5 | | 9.0 | 39.5 | 41.8 | | 9.4 | 3 9.7 | 6.0 | | 8.7 | 27 17.3 | 6.0 | K |
| 9.5 | 27 22.5 | 3.3 | *a* | 9.0 | 3 1.3 | 41.1 | | 9.4 | 53.2 | 2.4 | | 9.5 | 17.6 | 51.0 | | 9.1 | 51.0 | 16.0 | |
| 9.5 | 56.9 | 9.5 | | 9.5 | 8.7 | 8.6 | | 9.0 | 37 1.3 | 46.0 | | 8.8 | 19.7 | 26.4 | K | 9.5 | 28 58.5 | 20.4 | |
| 8.8 | 28 19.9 | 50.2 | | 9.1 | 9.9 | 47.0 | K | 8.5 | 20.1 | 56.4 | | 9.4 | 23.8 | 35.7 | | 9.0 | 29 37.5 | 9.4 | Kb |
| 9.1 | 26.1 | 9.7 | B | 9.0 | 17.8 | 48.0 | K | 9.0 | 31.9 | 31.8 | K | 9.0 | 28.8 | 33.3 | K | 8.5 | 56.4 | 9.7 | K |
| 8.8 | 36.0 | 0.9 | K | 9.2 | 47.3 | 23.7 | K | 9.5 | 38 32.4 | 6.1 | | 9.5 | 4 40.0 | 57.1 | | 9.1 | 30 39.1 | 59.9 | *ab* |
| 7.0 | 30 3.5 | 7.5 | Kb | 9.0 | 48.3 | 40.1 | | 9.4 | 39 1.9 | 19.0 | | 9.5 | 5 23.3 | 23.0 | | 9.4 | 31 19.2 | 2.5 | B |
| 8.4 | 36.2 | 28.1 | B | 9.0 | 5 46.6 | 44.9 | K | 7.9 | 10.4 | 55.8 | K | 7.3 | 33.4 | 49.4 | K | 9.1 | 43.3 | 28.7 | *a* |
| 8.5 | 41.2 | 37.8 | K | 9.3 | 54.9 | 37.3 | | 9.2 | 13.3 | 42.1 | | 9.4 | 45.9 | 45.0 | | 9.1 | 52.7 | 29.6 | *ab* |
| 8.4 | 31 25.9 | 47.4 | K | 9.0 | 6 36.5 | 28.3 | B | 9.5 | 48.6 | 35.5 | | 9.3 | 6 1.5 | 18.4 | | 9.4 | 33 19.9 | 43.9 | B |
| 7.9 | 32 27.2 | 47.4 | K | 7.9 | 38.4 | 28.7 | B | 9.5 | 40 48.9 | 35.9 | | 9.3 | 1.5 | 56.5 | | 9.1 | 22.1 | 2.5 | *ab* |
| 9.3 | 33 31.8 | 8.2 | | 9.1 | 7 44.8 | 54.6 | *b* | 9.2 | 41 18.3 | 43.5 | | 9.5 | 26.3 | 21.9 | | 9.5 | 55.2 | 0.0 | |
| 9.5 | 42.2 | 16.8 | *a* | 9.5 | 8 0.0 | 33.1 | | 9.4 | 20.9 | 45.6 | | 8.9 | 55.5 | 55.2 | K | 9.5 | 34 20.4 | 41.0 | ? |
| 9.5 | 34 9.3 | 5.6 | | 9.3 | 11 35.0 | 7.0 | | 7.4 | 43.0 | 55.1 | K | 9.1 | 7 22.6 | 47.9 | K | 9.3 | 21.5 | 37.5 | Bb |
| 8.6 | 15.0 | 0.8 | K | 9.0 | 12 2.8 | 44.2 | K | 9.5 | 42 25.1 | 51.5 | | 9.2 | 22.8 | 38.7 | B | 9.3 | 25.5 | 0.9 | |
| 9.4 | 30.2 | 6.6 | | 9.1 | 3.0 | 6.2 | *b* | var | 35.8 | 36.1 | L | 9.5 | 41.1 | 42.2 | | 9.4 | 36.9 | 32.3 | |
| 9.1 | 42.4 | 58.7 | L | 9.5 | 29.0 | 58.8 | | 9.4 | 43 51.0 | 44.0 | | 9.5 | 10 9.2 | 48.6 | | 9.5 | 49.3 | 30.9 | |
| 9.3 | 35 1.2 | 38.5 | | 8.6 | 55.9 | 43.5 | | 9.5 | 51.1 | 18.4 | | 9.3 | 9.6 | 0.7 | | 9.4 | 35 15.2 | 31.9 | B |
| 8.6 | 19.8 | 24.6 | K | 8.1 | 14 10.4 | 16.9 | K | 9.4 | 51.9 | 57.8 | | 9.3 | 17.0 | 6.3 | | 8.9 | 17.9 | 59.4 | |
| *10pr.* | + *26.51* | — *2.72* | | *10pr.* | + *25.66* | — *2.39* | | *10pr.* | + *24.93* | — *2.01* | | *10pr.* | + *24.46* | — *1.70* | | *10pr.* | + *24.11* | — *1.38* | |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16ᵘ | | +28° | | | 16ᵘ—17ᵘ | | +28° | | | 17ᵘ | | +28° | | | 17ᵘ | | +28° | | | 17ᵘ | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 35 | 18.0 | 12.5 | a | 7.3 | 59 | 0.5 | 18.2 | K | 9.1 | 13 | 28.4 | 53.5 | K | 9.5 | 29 | 18.2 | 33.3 | | 9.5 | 43 | 6.1 | 40.1 | |
| 9.5 | 37 | 6.0 | 23.8 | | 8.1 | | 4.4 | 53.0 | L | 7.1 | | 40.3 | 10.4 | K | 9.4 | | 25.3 | 37.9 | | 9.5 | | 6.7 | 20.9 | |
| 9.5 | 38 | 1.7 | 7.2 | B | 9.5 | | 23.8 | 10.5 | | 9.0 | | 55.2 | 13.3 | K | 9.4 | | 26.2 | 24.2 | | 9.5 | 44 | 14.3 | 19.8 | |
| 9.5 | | 11.5 | 34.1 | | 9.4 | | 27.7 | 31.3 | | 8.5 | 14 | 16.0 | 37.0 | L | 9.5 | | 37.4 | 46.9 | | 9.0 | | 19.3 | 30.1 | |
| 8.7 | | 14.5 | 29.7 | K | 8.6 | | 44.6 | 16.9 | L | 9.5 | | 51.7 | 18.5 | | 9.5 | | 56.3 | 58.6 | | 8.2 | | 33.8 | 17.0 | L |
| 9.5 | | 43.1 | 0.9 | | 9.5 | 0 | 0.0 | 47.8 | | 9.2 | 15 | 11.7 | 28.7 | | 9.3 | 30 | 14.0 | 23.0 | | 9.5 | 45 | 14.7 | 13.8 | |
| 7.2 | 39 | 18.7 | 38.4 | Kb | 9.5 | | 9.3 | 26.6 | | 9.5 | | 45.4 | 37.2 | | 6.3 | | 26.3 | 16.1 | K | 9.5 | | 15.7 | 9.2 | B |
| 9.3 | 40 | 31.6 | 19.2 | | 9.4 | | 18.9 | 58.4 | | 6.5 | | 51.1 | 53.9 | L | 9.1 | | 28.0 | 43.2 | b | 9.5 | | 20.7 | 29.5 | |
| 9.4 | | 48.6 | 58.2 | | 9.1 | | 40.5 | 56.6 | | 9.5 | 16 | 10.4 | 50.5 | | 9.4 | | 53.5 | 14.3 | | 9.0 | | 32.6 | 21.1 | K |
| 9.1 | 41 | 11.9 | 42.6 | K | 9.0 | 1 | 9.1 | 58.3 | | 9.1 | 17 | 12.3 | 57.7 | | 9.5 | 31 | 20.2 | 31.2 | | 9.5 | | 33.6 | 36.6 | |
| 9.1 | | 23.6 | 59.7 | K | 8.0 | | 43.7 | 19.7 | K | 9.0 | | 38.3 | 10.2 | K | 9.3 | | 34.9 | 7.8 | | 9.4 | | 47.0 | 21.5 | |
| 9.4 | | 33.3 | 59.3 | a | 9.0 | | 45.8 | 14.3 | K | 9.4 | | 54.4 | 10.0 | a | 9.5 | | 51.0 | 55.6 | | 8.5 | 46 | 3.5 | 16.9 | K |
| 8.2 | | 39.3 | 38.8 | K | 9.5 | | 54.4 | 46.7 | | 9.5 | 18 | 13.0 | 18.4 | | 9.5 | 32 | 18.3 | 52.7 | | 9.5 | | 34.4 | 38.3 | |
| 8.2 | 42 | 18.9 | 8.9 | Kb | 9.3 | | 56.4 | 32.6 | | 9.5 | | 16.3 | 19.1 | | 9.4 | | 18.5 | 47.1 | | 9.5 | | 51.0 | 28.9 | |
| 9.5 | 43 | 46.6 | 47.4 | a | 9.3 | 2 | 6.4 | 57.1 | K | 9.4 | | 36.9 | 16.7 | | 9.5 | | 30.7 | 10.1 | | 9.4 | 47 | 1.7 | 54.0 | B |
| 8.7 | | 51.9 | 35.0 | K | 9.0 | | 37.8 | 13.7 | K | 9.5 | | 48.7 | 35.5 | | 9.3 | 33 | 22.3 | 19.5 | a | 9.5 | | 3.2 | 59.9 | |
| 9.5 | | 58.1 | 14.8 | | 7.0 | | 38.0 | 26.7 | K | 8.5 | 19 | 37.3 | 16.8 | | 9.4 | | 36.7 | 2.0 | a | 9.3 | | 16.7 | 5.4 | |
| 7.8 | | 58.7 | 39.1 | K | 9.0 | | 45.6 | 54.2 | K | 8.2 | | 56.2 | 31.2 | | 9.5 | 34 | 8.2 | 35.9 | | 8.6 | | 29.1 | 37.4 | |
| 9.1 | 44 | 28.5 | 48.2 | K | 9.4 | 3 | 22.7 | 23.1 | | 9.5 | 20 | 7.8 | 47.9 | | 9.5 | | 38.3 | 45.4 | | 9.4 | | 41.1 | 24.6 | B |
| 8.9 | | 37.9 | 6.5 | | 9.5 | 4 | 0.3 | 35.9 | | 9.5 | | 22.9 | 21.0 | | 9.0 | | 46.0 | 16.3 | K | 9.3 | | 56.5 | 29.4 | |
| 9.5 | | 58.0 | 15.2 | | 9.5 | | 35.1 | 43.8 | | 8.8 | | 47.2 | 49.3 | | 9.5 | | 54.2 | 15.8 | a | 9.2 | 48 | 6.8 | 58.8 | b |
| 8.8 | 45 | 39.4 | 46.3 | K | 9.5 | | 39.9 | 37.2 | | 9.0 | | 59.8 | 56.5 | | 9.2 | 35 | 44.0 | 25.8 | b | 9.5 | | 53.4 | 21.3 | |
| 7.0 | | 41.0 | 22.2 | K | 9.5 | | 53.6 | 35.2 | | 9.3 | 21 | 23.0 | 27.0 | | 7.9 | | 53.9 | 17.3 | B | 9.5 | 49 | 8.9 | 53.6 | |
| 6.8 | 46 | 6.0 | 55.1 | S | 9.4 | 5 | 26.3 | 53.4 | B | 9.4 | | 26.7 | 59.0 | | 9.5 | | 56.9 | 59.4 | | 9.4 | 50 | 1.9 | 22.5 | |
| 9.1 | | 12.1 | 0.4 | K | 9.5 | | 54.1 | 49.7 | | 8.2 | | 39.2 | 42.3 | B | 9.4 | 36 | 21.9 | 45.6 | | 9.5 | | 24.0 | 10.0 | |
| 9.0 | | 28.3 | 45.8 | L | 9.3 | | 56.2 | 4.2 | | 9.2 | | 58.5 | 9.7 | b | 9.5 | | 22.8 | 25.3 | | 9.4 | | 33.1 | 29.1 | |
| 9.5 | | 49.9 | 45.5 | | 9.3 | | 58.7 | 23.3 | | 9.4 | 22 | 0.1 | 32.1 | a | 9.4 | | 42.9 | 1.0 | | 9.5 | | 43.6 | 21.8 | |
| 9.4 | 47 | 9.4 | 22.1 | | 9.5 | 6 | 15.2 | 47.0 | | 9.0 | | 26.3 | 35.0 | | 9.3 | | 45.2 | 36.4 | | 9.5 | | 48.7 | 13.2 | |
| 9.0 | | 10.6 | 29.1 | K | 9.5 | | 38.5 | 31.7 | | 8.7 | | 45.8 | 26.7 | | 9.5 | 37 | 38.1 | 5.5 | | 9.5 | 51 | 21.4 | 31.7 | B |
| 9.4 | | 29.2 | 7.5 | | 9.0 | | 42.1 | 9.7 | | 9.4 | | 52.5 | 33.2 | | 9.5 | | 38.2 | 14.5 | | 9.4 | | 24.1 | 1.2 | |
| 9.5 | | 45.9 | 24.9 | | 9.5 | | 42.4 | 11.7 | | 9.3 | | 52.9 | 1.1 | B | 8.9 | | 55.7 | 43.8 | | 9.3 | | 31.9 | 47.1 | |
| 9.5 | 48 | 57.4 | 11.1 | | 8.9 | 7 | 0.2 | 26.4 | | 9.5 | 23 | 0.2 | 15.6 | | 9.5 | 38 | 17.2 | 52.1 | | 8.5 | | 52.3 | 1.0 | K |
| 7.4 | 49 | 9.3 | 22.3 | B | 8.7 | | 4.3 | 46.0 | L | 9.4 | | 1.9 | 1.6 | a | 9.5 | | 18.2 | 15.3 | | 8.3 | 52 | 2.4 | 15.9 | L |
| 8.5 | | 15.0 | 51.7 | | 8.1 | | 24.0 | 7.0 | K | 9.5 | | 7.5 | 23.0 | | 9.0 | | 27.1 | 59.9 | K | 8.9 | | 19.9 | 21.1 | |
| 9.4 | | 20.7 | 45.2 | B | 9.0 | | 40.0 | 54.9 | K | 9.5 | | 8.8 | 58.8 | a | 9.5 | 39 | 12.5 | 42.9 | | 9.1 | | 38.8 | 55.0 | |
| 9.5 | 50 | 0.4 | 3.3 | | 9.4 | | 46.9 | 52.6 | | 9.5 | | 32.9 | 21.1 | | 8.7 | | 15.5 | 4.0 | K | 9.5 | 53 | 5.3 | 41.5 | |
| 8.9 | | 49.6 | 41.5 | | 8.7 | 8 | 13.0 | 58.8 | K | 8.4 | | 33.6 | 55.8 | | 9.1 | | 30.2 | 1.4 | | 9.5 | | 30.6 | 58.3 | |
| 9.2 | | 56 8 | 5.9 | | 9.5 | | 18.5 | 2.7 | | 9.5 | | 35.0 | 23.2 | | 9.2 | | 33.0 | 9.7 | | 8.2 | | 32.3 | 15.8 | K |
| 8.8 | 51 | 6.7 | 32.8 | L | 9.4 | | 20.5 | 19.8 | B | 9.2 | | 46.9 | 27.4 | B | 9.5 | | 37.5 | 18.8 | | 9.2 | | 33.9 | 49.3 | K |
| 9.5 | | 8.4 | 8.5 | | 8.9 | | 32.0 | 9.8 | K | 9.5 | | 52.2 | 59.9 | | 8.9 | | 43.0 | 38.2 | | 9.5 | | 40.4 | 28.2 | |
| 9.5 | 52 | 1.9 | 20.7 | | 9.5 | | 32.9 | 13.6 | | 9.5 | 24 | 1.2 | 6.0 | | 9.3 | | 46.4 | 25.5 | | 8.7 | | 54.8 | 8.7 | L |
| 8.4 | | 35.0 | 27.1 | Kb | 8.4 | | 58.0 | 8.3 | K | 9.2 | | 3.0 | 30.4 | | 8.3 | 40 | 0.7 | 18.3 | | 7.5 | 54 | 36.7 | 44.6 | K |
| 9.3 | | 47.2 | 24.4 | K | 9.1 | 9 | 37.5 | 59.2 | K | 9.1 | | 32.2 | 15.1 | K | 8.8 | | 7.0 | 36.4 | | 9.2 | | 48.9 | 28.3 | |
| 9.5 | 53 | 43.1 | 53.1 | | 9.5 | | 44.2 | 48.2 | | 9.4 | 25 | 20.1 | 22.0 | | 8.5 | | 17.2 | 14.3 | | 9.5 | | 52.7 | 3.7 | |
| 9.2 | 54 | 2.8 | 1.3 | | 9.5 | | 44.4 | 18.2 | | 9.5 | | 26.2 | 47.0 | | 9.5 | | 18.7 | 26.4 | | 9.5 | | 56.5 | 30.1 | |
| 9.5 | | 31.5 | 47.7 | | 9.5 | 10 | 25.0 | 26.1 | | 8.4 | | 28.0 | 14.4 | K | 9.5 | | 22.3 | 21.2 | | 8.6 | 55 | 14.8 | 32.2 | L |
| 9.5 | | 59.6 | 45.8 | | 9.5 | | 38.4 | 35.1 | B | 5.7 | 26 | 7.7 | 30.3 | Kb | 8.9 | | 43.8 | 14.1 | | 9.5 | | 27.0 | 56.2 | |
| 9.0 | 55 | 3.2 | 58.9 | | 8.4 | | 47.7 | 34.5 | K | 9.3 | | 16.1 | 58.7 | B | 9.5 | | 45.3 | 35.4 | | 9.5 | | 58.5 | 4.0 | |
| 9.1 | | 21.4 | 5.2 | ab | 9.1 | 11 | 17.0 | 5.1 | Kb | 9.5 | | 29.5 | 4.8 | | 8.7 | | 59.1 | 2.3 | | 9.2 | 56 | 2.3 | 49.1 | K |
| 9.3 | 56 | 7.0 | 53.8 | a | 9.2 | | 34.8 | 50.3 | B | 9.4 | | 34.0 | 21.3 | | 8.0 | 41 | 12.0 | 8.5 | L | 9.5 | | 3.2 | 28.6 | |
| 9.4 | | 34.6 | 54.8 | B | 9.5 | | 38.2 | 47.5 | | 8.0 | | 42.3 | 54.3 | K | 7.5 | | 35.7 | 58.8 | L | 9.5 | | 9.9 | 0.2 | |
| 9.5 | | 36.2 | 58.6 | | 9.2 | | 49.3 | 14.9 | | 9.4 | | 57.7 | 33.7 | B | 9.2 | | 39.0 | 52.6 | | 9.1 | | 30.3 | 17.3 | |
| 9.4 | | 40.3 | 4.6 | | 8.0 | 12 | 6.9 | 53.4 | K | 9.5 | 27 | 14.7 | 21.3 | | 9.5 | | 53.4 | 34.6 | | 9.5 | | 45.7 | 14.8 | |
| 9.3 | 57 | 12.7 | 32.3 | | 9.2 | | 7.2 | 54.4 | B | 9.5 | | 21.9 | 35.7 | | 9.2 | 42 | 3.9 | 24.9 | K | 9.5 | | 57.6 | 54.5 | |
| 9.4 | | 14.5 | 1.8 | a | 9.5 | | 8.3 | 44.8 | | 9.5 | | 23.2 | 20.8 | | 8.2 | | 7.5 | 49.7 | L | 8.8 | 57 | 1.5 | 26.8 | |
| 9.3 | | 17.0 | 11.0 | | 9.4 | | 12.0 | 21.0 | | 8.4 | | 24.0 | 52.3 | K | 9.5 | | 9.1 | 7.2 | | 9.5 | | 6.0 | 45.5 | |
| 8.6 | | 32.2 | 4.2 | K | 9.2 | | 38.0 | 4.6 | | 9.1 | | 29.0 | 47.8 | K | 8.5 | | 11.8 | 40.5 | L | 9.4 | | 12.4 | 37.2 | |
| 9.5 | 58 | 18.5 | 51.6 | | 8.2 | | 52.8 | 23.3 | | 9.1 | | 49.7 | 52.6 | K | 9.5 | | 12.7 | 38.4 | a | 9.3 | | 13.7 | 33.4 | |
| 9.4 | | 28.2 | 19.2 | | 5.8 | 13 | 8.6 | 58.0 | L | 7.8 | 28 | 51.0 | 19.0 | K | 9.3 | | 16.9 | 27.8 | K | 9.5 | | 18.7 | 8.2 | B |
| 9.4 | | 37.9 | 4.0 | | 8.7 | | 8.7 | 33.7 | | 8.8 | | 54.7 | 6.2 | K | 9.5 | 43 | 4.0 | 11.1 | | 9.5 | | 19.3 | 22.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 23.82 | 1.04 | | 10pr. | | 23.66 | 0.77 | | 10pr. | | 23.56 | 0.54 | | 10pr. | | 23.50 | 0.32 | | 10pr. | | 23.47 | 0.13 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ—18ᵘ | | +28° | | | 18ᵘ | | +28° | | | 18ᵘ | | +28° | | | 18ᵘ | | +28° | | | 18ᵘ—19ᵘ | | +28° | |
| m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | |
| 9.4 | 57 | 19.9 | 29.8 | | a | 9.5 | 8 | 56.6 | 48.7 | | | 7.3 | 28 | 26.4 | 10.3 | | L | 8.1 | 41 | 39.0 | 49.8 | | R | 9.3 | 53 | 45.9 | 29.6 | | B |
| 9.5 | | 20.2 | 4.7 | | | 9.5 | | 59.0 | 58.0 | | | 9.3 | | 26.7 | 32.7 | | | 9.2 | | 39.5 | 34.0 | | | 9.5 | | 46.4 | 56.3 | | |
| 9.5 | | 37.2 | 0.7 | | | 9.2 | 9 | 30.3 | 37.9 | | a | 9.5 | | 41.3 | 50.5 | | | 9.4 | | 46.9 | 52.0 | | | 9.2 | | 56.0 | 13.8 | | K |
| 9.5 | | 38.2 | 7.5 | | | 9.5 | | 32.6 | 43.7 | | | 7.6 | | 48.0 | 38.3 | | S | 8.3 | | 57.0 | 53.0 | | K | 9.5 | | 57.2 | 38.8 | | |
| 9.0 | 58 | 3.9 | 32.8 | | | 9.5 | | 40.6 | 26.9 | | | 9.4 | | 59.3 | 57.7 | | | 8.3 | 42 | 2.3 | 33.8 | | B | 9.3 | | 59.0 | 21.0 | | K |
| 9.4 | | 5.5 | 46.6 | | | 9.2 | | 43.1 | 48.3 | | a | 9.4 | 29 | 16.2 | 48.1 | | | 7.6 | | 3.4 | 29.0 | | R | 8.1 | 54 | 31.9 | 51.5 | | B |
| 9.5 | | 11.3 | 21.7 | | | 9.3 | | 52.7 | 21.7 | | | 9.3 | | 20.7 | 36.9 | | B | 8.3 | | 20.6 | 53.0 | | K | 7.7 | | 33.4 | 28.7 | | K |
| 9.5 | | 26.4 | 24.5 | | | 9.5 | 10 | 8.9 | 14.5 | | | 9.5 | | 36.7 | 42.5 | | | 9.3 | | 38.6 | 39.9 | | B | 8.4 | | 33.5 | 55.8 | | |
| 9.1 | | 37.7 | 35.3 | | K | 9.5 | | 12.1 | 54.4 | | | 9.5 | 30 | 16.5 | 48.8 | | a | 9.4 | | 50.3 | 35.9 | | | 9.5 | | 53.3 | 32.2 | | |
| 9.5 | 59 | 2.3 | 20.4 | | | 9.2 | | 23.6 | 13.6 | | a | 9.3 | 31 | 20.9 | 46.5 | | a | 9.2 | 43 | 9.5 | 12.4 | | a | 9.4 | 55 | 2.9 | 21.7 | | |
| 9.5 | | 19.6 | 16.3 | | | 8.1 | | 33.2 | 7.7 | | B | 9.0 | | 24.4 | 13.8 | | | 8.7 | | 22.4 | 41.4 | | Kb | 9.1 | | 7.6 | 43.9 | | K |
| 9.4 | | 31.3 | 45.1 | | | 9.1 | | 51.3 | 45.2 | | b | 8.0 | | 34.9 | 55.6 | | K | 9.5 | | 27.0 | 23.9 | | | 9.4 | | 28.3 | 53.5 | | |
| 9.3 | | 34.3 | 13.1 | | | 9.3 | 11 | 35.0 | 20.0 | | | 9.2 | | 42.0 | 3.4 | | K | 8.4 | | 54.0 | 3.3 | | B | 7.0 | | 33.6 | 12.5 | | B |
| 7.8 | | 47.4 | 41.0 | | K | 9.2 | | 36.9 | 6.0 | | B | 9.5 | | 47.8 | 59.9 | | | 9.1 | | 58.7 | 14.5 | | a | 9.3 | | 58.7 | 10.8 | | |
| 9.4 | | 51.0 | 10.5 | | | 9.5 | 12 | 13.1 | 55.4 | | | 9.3 | 32 | 0.3 | 31.8 | | K | 8.9 | 44 | 11.3 | 18.9 | | L | 9.1 | 56 | 1.5 | 1.9 | | a |
| 9.5 | 0 | 3.7 | 16.7 | | | 9.1 | | 26.7 | 38.5 | | Kb | 9.5 | | 10.4 | 14.2 | | a | 9.4 | | 19.0 | 3.9 | | | 9.2 | | 6.4 | 47.1 | | K |
| 9.3 | | 29.3 | 48.9 | | Kb | 9.5 | | 47.5 | 55.9 | | | 7.0 | | 18.5 | 30.3 | | B | 9.5 | | 26.8 | 29.2 | | | 9.5 | | 7.2 | 31.5 | | |
| 9.5 | | 39.0 | 57.4 | | | 9.1 | 13 | 45.0 | 11.7 | | ab | 8.3 | | 37.1 | 11.0 | | | 9.0 | | 45.7 | 43.6 | | | 9.5 | | 15.5 | 22.4 | | |
| 9.4 | | 41.5 | 42.2 | | | 8.8 | | 54.9 | 45.8 | | | 8.2 | | 37.7 | 49.2 | | K | 8.0 | | 54.5 | 21.6 | | L | 9.5 | | 29.4 | 7.5 | | |
| 9.5 | 1 | 15.4 | 8.3 | | | 7.0 | 14 | 47.8 | 55.3 | | K | 8.0 | | 40.7 | 34.1 | | K | 9.4 | | 59.6 | 7.5 | | a | 8.5 | | 32.3 | 0.4 | | L |
| 9.5 | | 15.9 | 14.8 | | | 4.9 | 15 | 21.7 | 48.3 | | Bb | 9.5 | | 42 9 | 56.5 | | | 9.3 | 45 | 10.5 | 23.9 | | | 9.5 | | 47.5 | 7.2 | | a |
| 8.5 | | 22.0 | 22.2 | | K | 8.5 | | 27.4 | 16.8 | | S | 9.5 | | 51.0 | 26.8 | | | 9.4 | | 12.0 | 45.0 | | | 9.4 | 57 | 0.2 | 7.7 | | B |
| 9.0 | | 32.3 | 38.5 | | | 8.3 | | 41.7 | 40.4 | | K | 9.5 | 33 | 2.8 | 52.6 | | | 9.5 | | 34.4 | 13.0 | | | 9.5 | | 1.8 | 26.4 | | |
| 9.2 | | 37.2 | 26.0 | | a | 9.5 | 16 | 35.7 | 54.3 | | B | 9.5 | | 11.5 | 39.9 | | | 6.5 | | 53.8 | 36.5 | | K | 9.2 | | 5.9 | 13.6 | | a |
| 3.9 | | 54.2 | 44.4 | | K | 9.1 | | 50.6 | 3.0 | | ab | 9.1 | | 17.1 | 43.7 | | K | 9.5 | 46 | 9.1 | 38.7 | | | 9.5 | | 14.0 | 28.7 | | |
| 8.9 | | 55.1 | 8.6 | | | 9.5 | 17 | 12.8 | 57.3 | | | 9.3 | | 20.4 | 59.6 | | K | 8.2 | | 19.1 | 36.1 | | K | 8.8 | | 23.1 | 12.2 | | |
| 9.2 | | 59.6 | 52.0 | | a | 9.5 | | 53.3 | 26.9 | | | 9.5 | | 28.2 | 28.6 | | | 9.1 | | 27.0 | 3.8 | | ab | 9.1 | | 35.6 | 26.3 | | ab |
| 8.8 | 2 | 10.9 | 26.5 | | | 9.5 | 18 | 0.0 | 4.5 | | | 9.5 | | 57.4 | 41.6 | | | 9.5 | | 46.3 | 10.4 | | | 9.5 | | 40.9 | 11.6 | | |
| 8.7 | | 17.0 | 38.7 | | K | 9.3 | | 2.9 | 3.7 | | B | 9.3 | 34 | 5.5 | 52.7 | | B | 9.4 | | 54.8 | 20.3 | | | 9.2 | | 41.5 | 22.5 | | a |
| 9.5 | 3 | 2.6 | 56.9 | | | 9.5 | | 3.0 | 57.8 | | | 9.4 | | 41.4 | 37.2 | | B | 9.5 | 47 | 7.8 | 48.7 | | | 9.5 | | 43.4 | 47.2 | | a |
| 9.5 | | 36.6 | 33.8 | | | 9.5 | | 10.0 | 9.4 | | | 9.4 | | 47.7 | 8.6 | | a | 9.2 | | 26.3 | 39.3 | | a | 9.4 | 58 | 2.2 | 30.2 | | |
| 9.4 | | 37.8 | 10.2 | | | 9.1 | | 28.0 | 13.8 | | Bb | 8.2 | 35 | 30.3 | 21.9 | | B | 8.9 | | 52.7 | 42.3 | | | 9.0 | | 11.3 | 43.8 | | |
| 9.2 | | 43.9 | 6.5 | | | 8.9 | | 29.7 | 12.9 | | B | 9.0 | | 37.4 | 9.6 | | K | 9.5 | 48 | 6.8 | 5.5 | | | 9.5 | | 22.0 | 54.3 | | |
| 9.3 | 4 | 24.7 | 53.6 | | a | 9.3 | | 36.1 | 11.6 | | | 8.8 | | 40.5 | 6.7 | | | 9.5 | | 19.0 | 34.8 | | | 8.8 | | 36.0 | 26.5 | | |
| 9.0 | | 37.9 | 25.1 | | K | 9.4 | 19 | 27.4 | 53.3 | | | 9.3 | | 46.4 | 40.9 | | B | 9.5 | | 27.4 | 29.4 | | | 9.4 | | 40.0 | 9.2 | | |
| 9.3 | 5 | 7.3 | 3.5 | | | 8.0 | | 37.3 | 0.3 | | K | 9.1 | | 54.6 | 35.9 | | B | 9.1 | | 31.1 | 44.7 | | K | 9.2 | | 49.4 | 49.2 | | a |
| 9.4 | | 34.5 | 48.3 | | | 9.5 | | 52.9 | 45.1 | | | 9.4 | | 56.7 | 32.2 | | | 9.4 | | 47.3 | 58.0 | | | 9.5 | 59 | 0.6 | 13.1 | | |
| 9.2 | | 53.1 | 21.9 | | | 9.5 | 20 | 0.0 | 37.2 | | | 9.5 | 36 | 23.3 | 53.2 | | | 9.5 | 49 | 14.4 | 31.3 | | | 9.2 | | 10.7 | 15.6 | | |
| 8.6 | | 55.1 | 17.2 | | B | 9.5 | | 18.2 | 46.5 | | | 9.2 | | 24.4 | 49.3 | | B | 9.5 | | 59.7 | 1.8 | | | 9.4 | | 12.5 | 9.2 | | |
| 9.4 | | 56.2 | 40.2 | | | 8.2 | | 37.7 | 6.2 | | L | 9.5 | | 30.4 | 47.0 | | | 9.3 | 50 | 17.6 | 12.3 | | | 9.0 | | 18.4 | 51.4 | | B |
| 9.0 | | 57.7 | 51.8 | | B | 9.0 | 21 | 33.8 | 10.0 | | | 9.4 | | 57.7 | 20.6 | | | 9.5 | | 23.5 | 10.3 | | | 9.2 | | 19.1 | 20.0 | | |
| 9.2 | 6 | 0.2 | 38.7 | | B | 8.6 | | 37.1 | 50.7 | | K | 9.5 | 37 | 6.5 | 59.0 | | | 9.5 | | 46.5 | 24.8 | | | 9.5 | | 31.0 | 53.8 | | |
| 9.2 | | 9.5 | 12.7 | | a | 9.1 | 22 | 13.0 | 39.9 | | a | 7.3 | | 8.6 | 9.9 | | K | 9.5 | | 47.2 | 16.9 | | | 9.5 | | 33.6 | 23.9 | | |
| 9.2 | | 14.0 | 28.8 | | B | 9.0 | | 24.9 | 30.6 | | K | 8.0 | | 13.3 | 30.5 | | B | 9.4 | | 49.4 | 8.5 | | | 9.3 | | 50.8 | 29.9 | | |
| 9.4 | | 21.0 | 13.4 | | | 9.1 | | 45.2 | 53.1 | | K | 8.9 | | 20.8 | 3.7 | | K | 7.0 | | 53.0 | 0.9 | | L | 9.5 | 0 | 9.4 | 12.2 | | |
| 9.4 | | 23.7 | 41.3 | | B | 9.2 | 23 | 2.5 | 42.0 | | a | 8.4 | | 28.4 | 47.7 | | K | 9.0 | 51 | 1.2 | 6.7 | | | 8.0 | | 10.0 | 53.4 | | K |
| 9.4 | | 43.7 | 31.6 | | | 9.2 | | 3.2 | 45.0 | | a | 9.2 | 38 | 10.6 | 58.8 | | K | 9.5 | | 17.4 | 37.5 | | | 7.7 | | 11.0 | 35.9 | | L |
| 9.4 | | 44.4 | 26.1 | | | 9.0 | | 21.7 | 50.0 | | K | 9.5 | | 20.0 | 48.8 | | | 9.3 | | 27.5 | 54.6 | | | 9.1 | | 26.7 | 7.5 | | |
| 9.4 | | 46.4 | 47.1 | | | 8.8 | | 40.3 | 57.7 | | K | 9.5 | | 43.1 | 31.2 | | | 9.5 | | 28.6 | 20.6 | | | 8.6 | | 31.1 | 20.3 | | B |
| 9.5 | | 47.6 | 36.5 | | | 9.5 | | 59.4 | 7.5 | | | 9.5 | 39 | 28.9 | 30.6 | | | 9.5 | | 48.3 | 5.1 | | | 9.4 | | 35.2 | 38.6 | | |
| 9.3 | | 53.2 | 28.6 | | B | 9.0 | 24 | 3.2 | 22.7 | | | 9.4 | | 29.7 | 42.6 | | a | 9.0 | | 52.1 | 9.9 | | | 9.5 | | 43.7 | 37.6 | | |
| 9.2 | 7 | 1.2 | 3.9 | | a | 9.5 | | 3.8 | 33.4 | | | 9.2 | | 42.7 | 32.7 | | a | 9.5 | | 56.2 | 20.6 | | | 9.0 | | 44.0 | 29.9 | | |
| 9.5 | | 6.6 | 26.1 | | | 7.5 | 25 | 24.6 | 24.4 | | L | 8.1 | | 48.0 | 6.8 | | S | 9.5 | 52 | 15.9 | 57.3 | | | 5.7 | | 52.6 | 23.8 | | K |
| 9.1 | | 12.8 | 1.1 | | Kb | 9.3 | 26 | 0.4 | 10.7 | | K | 9.1 | 40 | 15.9 | 19.6 | | a | 9.4 | | 24.2 | 20.4 | | B | 9.4 | | 54.9 | 3.3 | | B |
| 8.2 | | 17.7 | 13.1 | | B | 9.5 | | 10.0 | 39.6 | | | 9.0 | | 20.6 | 11.0 | | | 9.2 | | 24.5 | 26.4 | | a | 9.5 | | 55.5 | 10.0 | | |
| 8.2 | | 20.6 | 12.4 | | K | 8.5 | | 15.2 | 46.5 | | K | 9.0 | | 35.0 | 1.9 | | K | 9.1 | | 28.0 | 46.9 | | ab | 9.3 | 1 | 4.2 | 41.6 | | |
| 9.5 | | 26.5 | 22.0 | | | 9.5 | | 49.2 | 57.5 | | | 9.1 | | 45.4 | 9.4 | | K | 9.2 | | 33.9 | 56.3 | | a | 9.4 | | 12.1 | 41.1 | | |
| 9.5 | 8 | 8.4 | 56.8 | | | 8.9 | | 51.7 | 17.5 | | K | 8.5 | 41 | 32.0 | 16.3 | | K | 9.5 | | 52.7 | 15.3 | | a | 8.6 | | 15.0 | 58.6 | | K |
| 9.4 | | 15.4 | 50.0 | | B | 9.0 | 27 | 30.4 | 19.9 | | | 9.2 | | 33.0 | 14.8 | | K | 9.4 | | 55.0 | 52.3 | | | 9.5 | | 31.3 | 51.0 | | |
| 6.8 | | 27.1 | 11.0 | | K | 9.1 | | 51.9 | 56.5 | | K | 9.5 | | 35.4 | 25.0 | | | 9.3 | 53 | 17.4 | 37.0 | | | 9.5 | | 31.9 | 17.9 | | |
| | | + | + | | | | | + | + | | | | | + | + | | | | | + | + | | | | | + | + | | |
| 10pr. | | 23.46 | 0.05 | | | 10pr. | | 23.49 | 0.26 | | | 10pr. | | 23.54 | 0.51 | | | 10pr. | | 23.61 | 0.68 | | | 10pr. | | 23.69 | 0.84 | | |

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵐ | | +28° | | | 19ᵐ | | +28° | | | 19ᵐ | | +28° | | | 19ᵐ | | +28° | | | 19ᵐ | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 1 | 36.7 | 20.6 | | 8.8 | 9 | 54.7 | 42.7 | | 9.2 | 19 | 1.0 | 39.8 | *a* | 9.5 | 27 | 29.0 | 57.3 | | 9.4 | 36 | 30.3 | 10.1 | B |
| 9.2 | | 51.1 | 23.1 | *a* | 8.7 | | 58.2 | 18.2 | | 9.0 | | 2.0 | 39.3 | B | 9.4 | | 42.9 | 10.3 | | 9.4 | | 37.0 | 30.1 | |
| 9.2 | | 57.6 | 7.1 | | 9.2 | 10 | 1.9 | 44.3 | *a* | 9.5 | | 12.3 | 22.0 | | 9.5 | | 48.1 | 7.4 | | 9.4 | | 41.0 | 32.6 | |
| 8.7 | 2 | 10.1 | 9.2 | K | 8.9 | | 5.0 | 26.3 | | 9.5 | | 13.7 | 18.8 | | 9.5 | | 48.8 | 12.2 | | 9.4 | | 41.9 | 29.4 | |
| 9.5 | | 16.0 | 8.9 | | 9.5 | | 13.5 | 3.2 | | 9.5 | | 29.5 | 7.1 | *B* | 9.3 | | 52.4 | 57.7 | | 8.4 | | 44.6 | 0.0 | K |
| 9.5 | | 22.8 | 57.8 | | 9.5 | | 14.3 | 52.0 | | 9.4 | | 46.9 | 38.6 | | 9.2 | | 53.6 | 43.4 | | 9.5 | | 56.3 | 36.9 | |
| 9.2 | | 26.2 | 9.9 | B | 9.2 | | 22.1 | 7.5 | | 9.4 | | 53.8 | 38.6 | *a* | 9.2 | | 57.7 | 28.9 | | 7.2 | 37 | 1.0 | 59.3 | K |
| 8.9 | | 43.0 | 52.9 | | 8.1 | | 24.3 | 1.5 | S | 8.0 | 20 | 1.4 | 28.7 | S | *9.5 | 28 | 9.4 | 47.2 | | 9.3 | | 8.7 | 1.3 | *a* |
| 9.3 | | 53.5 | 50.4 | | 9.4 | | 24.4 | 44.4 | | 9.3 | | 6.1 | 0.4 | K | 9.4 | | 11.9 | 36.8 | B | 8.8 | | 14.5 | 33.1 | |
| 8.5 | 3 | 0.0 | 10.9 | Kb | 9.5 | | 41.0 | 7.3 | | 9.4 | | 8.8 | 12.9 | | 9.5 | | 14.3 | 42.5 | | 9.3 | | 38.3 | 18.8 | |
| 9.0 | | 10.0 | 32.5 | K | 9.4 | | 49.5 | 27.8 | | 8.3 | | 19.4 | 21.3 | L | 9.4 | | 17.9 | 12.4 | | 9.3 | | 42.0 | 54.4 | |
| 9.5 | | 12.8 | 17.7 | | 9.1 | | 55.8 | 36.8 | | 9.2 | | 27.0 | 10.2 | K | 8.1 | | 21.6 | 6.1 | K | 9.5 | 38 | 1.1 | 50.9 | |
| 9.5 | | 30.7 | 1.8 | | 9.1 | 11 | 13.0 | 2.9 | | 9.2 | | 28.1 | 7.5 | | 9.1 | | 23.0 | 18.9 | *a* | 9.4 | | 10.8 | 45.8 | |
| 9.5 | | 32.9 | 47.9 | | 9.3 | | 14.9 | 6.3 | | 9.5 | | 33.3 | 25.7 | | *9.0 | | 34.5 | 19.2 | | 9.4 | | 23.9 | 2.5 | |
| 9.2 | | 34.6 | 41.0 | K | 8.2 | | 31.1 | 31.7 | Kb | 9.2 | 21 | 0.4 | 56.8 | | 9.3 | | 38.9 | 45.0 | | 9.5 | | 24.9 | 31.3 | |
| 9.2 | | 40.3 | 32.6 | *a* | 9.3 | | 43.2 | 43.8 | *a* | 9.3 | | 4.5 | 28.3 | B | 9.5 | | 40.0 | 53.4 | | 9.5 | | 34.2 | 43.1 | |
| 9.5 | | 42.4 | 13.8 | | 9.3 | 12 | 18.6 | 17.9 | | 9.5 | | 4.7 | 46.0 | | 8.8 | | 48.7 | 59.3 | R | 9.1 | | 35.1 | 46.1 | K |
| 9.5 | 4 | 9.5 | 43.7 | | 9.5 | | 22.2 | 35.4 | | 9.3 | | 22.0 | 54.6 | | 9.0 | | 52.8 | 35.3 | | 9.5 | | 48.4 | 19.3 | |
| 9.0 | | 12.0 | 15.8 | | 9.3 | | 25.5 | 3.6 | | 8.8 | | 25.1 | 46.4 | | 8.2 | | 54.0 | 50.4 | K | 9.5 | | 49.5 | 28.7 | |
| 9.5 | | 16.7 | 30.4 | | 9.4 | | 44.1 | 11.7 | | 9.4 | | 27.1 | 11.7 | *a* | 9.5 | 29 | 0.8 | 6.5 | *a* | *var* | 39 | 1.0 | 54.9 | K |
| 9.2 | | 24.9 | 52.9 | | 9.5 | | 58.2 | 8.2 | | 9.0 | | 32.9 | 38.6 | | 9.2 | | 11.0 | 54.3 | K | 9.3 | | *6.8* | 16.7 | B |
| 8.8 | | 32.7 | 7.7 | | 9.0 | 13 | 5.0 | 38.6 | | 8.8 | | 45.0 | 44.5 | | 8.8 | | 13.6 | 45.9 | K | 9.5 | | 22.2 | 38.8 | |
| 8.9 | | 33.1 | 5.6 | | 9.4 | | 8.9 | 18.1 | | 9.0 | | 47.3 | 15.7 | B | 9.5 | | 17.2 | 52.8 | | 9.5 | | 28.4 | 44.7 | |
| 9.5 | | 42.8 | 57.1 | | 9.3 | | 13.6 | 8.0 | | 9.0 | 22 | 0.6 | 7.2 | | 8.7 | | 23.1 | 24.3 | | 9.4 | | 32.9 | 19.2 | |
| 8.6 | | 49.9 | 6.5 | | 9.4 | | 24.5 | 31.3 | B | 9.2 | | 4.5 | 23.5 | | 9.3 | | 35.9 | 20.0 | | 9.4 | | 41.0 | 13.5 | |
| 9.5 | | 55.0 | 44.8 | *a* | 9.3 | | 36.0 | 49.5 | | 9.5 | | 6.3 | 7.6 | | 9.4 | 30 | 4.6 | 39.4 | B | 9.4 | | 52.3 | 7.3 | B |
| 8.2 | 5 | 18.0 | 13.7 | L | 9.5 | | 38.4 | 34.8 | | 9.0 | | 18.0 | 27.7 | | 9.5 | | 5.1 | 3.5 | | 9.1 | 40 | 3.3 | 48.7 | *a* |
| 9.5 | | 26.4 | 57.7 | *a* | 9.2 | | 44.8 | 18.4 | Kb | 9.1 | | 25.4 | 39.3 | *a* | 9.5 | | 16.5 | 29.0 | | 9.3 | | 4.2 | 37.6 | |
| 9.5 | | 28.4 | 57.3 | B | 9.5 | | 58.0 | 45.8 | *a* | 9.3 | | 35.2 | 45.4 | B | 9.5 | | 28.6 | 11.5 | | 9.2 | | 14.5 | 50.7 | B |
| 9.5 | | 29.3 | 55.8 | *a* | 9.4 | 14 | 5.7 | 2.2 | | 9.5 | | 38.2 | 29.2 | | 9.4 | | 49.4 | 59.7 | | 9.3 | | 21.1 | 55.8 | |
| 9.4 | | 30.3 | 56.3 | *a* | 9.4 | | 8.1 | 6.4 | | 9.5 | | 39.6 | 46.6 | B | 9.4 | 31 | 5.2 | 22.9 | | 9.5 | | 28.2 | 43.5 | |
| 9.5 | | 52.1 | 27.5 | | 8.9 | | 10.5 | 56.3 | B | 8.7 | | 46.0 | 11.2 | | 7.1 | | 23.1 | 10.9 | K | 8.7 | | 29.5 | 33.3 | K |
| 9.5 | | 52.7 | 21.3 | | 8.1 | | 11.5 | 18.1 | K | 8.8 | | 55.9 | 31.9 | | 9.0 | | 23.5 | 28.4 | | 8.7 | | 32.2 | 17.2 | L |
| 9.5 | 6 | 15.8 | 19.1 | | 8.4 | | 12.7 | 13.7 | K | 9.4 | 23 | 6.0 | 6.4 | | 9.5 | | 30.6 | 32.6 | | 9.5 | | 37.0 | 5.4 | |
| 9.5 | | 41.0 | 8.8 | | 8.9 | | 18.8 | 32.5 | | 9.3 | | 20.1 | 16.8 | | 9.3 | | 38.4 | 48.4 | | 9.3 | | 47.4 | 37.3 | |
| 9.1 | | 59.1 | 21.4 | K | 9.2 | | 21.5 | 57.6 | *a* | 9.3 | | 21.2 | 29.7 | *a* | 8.7 | | 43.7 | 11.9 | K | 9.1 | 41 | 1.1 | 7.8 | *a* |
| 8.9 | 7 | 5.0 | 13.4 | | 9.5 | | 25.7 | 31.0 | *a* | 9.2 | | 21.4 | 43.5 | | 9.2 | | 51.4 | 43.3 | | 9.5 | | 35.9 | 16.5 | |
| 9.2 | | 8.5 | 19.7 | B | 9.5 | | 44.8 | 53.4 | | 9.4 | | 27.2 | 58.8 | | 9.5 | 32 | 19.2 | 28.2 | | 8.3 | | 36.5 | 7.6 | Kb |
| 9.4 | | 10.4 | 35.6 | | 9.0 | 15 | 16.6 | 29.7 | | 9.2 | | 41.5 | 43.0 | | 9.4 | | 26.5 | 53.6 | | 9.5 | | 44.3 | 34.1 | |
| 7.0 | | 13.7 | 58.8 | L | 9.5 | | 26.3 | 42.5 | | 9.5 | | 47.3 | 22.7 | | 9.3 | | 55.6 | 5.7 | | 8.7 | 42 | 3.1 | 48.5 | K |
| 9.4 | | 18.8 | 23.0 | *a* | 9.5 | | 44.3 | 37.4 | *a* | 9.3 | | 54.0 | 44.4 | | 9.3 | | 58.3 | 13.0 | B | 9.4 | | 7.0 | 3.6 | |
| 9.5 | | 18.9 | 53.4 | | 9.4 | | 55.7 | 22.2 | | 9.3 | 24 | 1.4 | 54.5 | | 9.5 | | 59.0 | 43.9 | | 9.5 | | 16.3 | 2.3 | |
| 9.5 | | 43.1 | 50.9 | B | 9.5 | 16 | 1.1 | 31.3 | B | 8.2 | | 5.6 | 25.8 | K | 9.3 | 33 | 32.5 | 6.5 | | 9.5 | | 55.9 | 49.9 | |
| 9.5 | | 45.0 | 43.4 | *a* | 9.5 | | 20.2 | 23.8 | | 9.3 | | 23.0 | 33.7 | K | 8.8 | | 33.5 | 58.6 | | 9.4 | 43 | 2.5 | 42.7 | |
| 8.4 | | 48.8 | 50.6 | K | 9.5 | | 23.3 | 32.4 | | 9.5 | | 41.6 | 3.9 | | 9.2 | | 50.4 | 43.5 | | 8.8 | | 4.4 | 26.6 | |
| 9.2 | | 56.4 | 32.4 | | 9.0 | | 39.0 | 54.6 | | 9.1 | | 47.0 | 2.0 | | 9.5 | | 50.7 | 10.9 | | 8.0 | | 28.1 | 13.0 | K |
| 9.3 | 8 | 0.2 | 30.4 | | 9.5 | | 40.6 | 7.2 | | 8.9 | 25 | 3.0 | 14.1 | | 9.4 | | 56.1 | 0.0 | | 9.4 | | 33.5 | 34.6 | |
| 9.5 | | 3.5 | 50.8 | B | 9.2 | | 56.9 | 14.3 | *a* | 9.3 | | 4.6 | 5.8 | | 8.4 | | 58.2 | 35.6 | | 8.4 | | 34.4 | 14.4 | K |
| 9.5 | | 25.9 | 25.5 | | 9.5 | | 58.7 | 59.7 | | 9.5 | | 21.4 | 43.5 | | 9.4 | 34 | 19.6 | 7.0 | *a* | 9.5 | | 38.2 | 31.9 | |
| 8.6 | | 32.4 | 26.2 | L | 9.5 | 17 | 3.4 | 29.1 | *a* | 8.8 | | 25.8 | 10.4 | | 9.0 | | 29.1 | 25.2 | | 8.5 | | 43.3 | 53.6 | |
| 9.5 | | 42.2 | 50.5 | | 9.5 | | 16.3 | 12.1 | | 9.4 | | 33.9 | 50.9 | *a* | 9.1 | | 31.4 | 18.0 | *a* | 9.5 | | 58.5 | 13.1 | *a* |
| 9.5 | | 46.8 | 5.5 | *a* | 8.9 | | 23.8 | 25.4 | | 9.3 | | 37.0 | 42.7 | | 9.5 | | 52.4 | 50.9 | | 9.5 | 44 | 1.6 | 19.7 | |
| 8.8 | | 52.5 | 38.6 | L | 9.5 | | 24.2 | 49.9 | | 8.2 | | 41.2 | 24.9 | R | 9.4 | 35 | 19.5 | 54.7 | *a* | 6.8 | | 3.1 | 4.6 | K |
| 9.4 | | 54.7 | 57.4 | | 9.5 | | 41.9 | 24.9 | | 9.5 | 26 | 8.0 | 20.5 | | 8.8 | | 32.0 | 48.5 | | 9.3 | | 22.0 | 12.6 | |
| 9.2 | 9 | 0.0 | 26.3 | | 8.9 | | 51.4 | 5.2 | | 8.7 | | 8.8 | 50.4 | K | 9.0 | | 34.9 | 32.1 | | 9.3 | | 37.1 | 20.4 | |
| 9.4 | | 6.9 | 57.7 | | 9.5 | 18 | 10.6 | 6.3 | | 9.5 | | 9.6 | 59.3 | B | 9.3 | | 48.5 | 14.6 | | 9.3 | | 57.7 | 14.1 | |
| 8.0 | | 11.6 | 8.7 | *B* | 9.2 | | 13.0 | 54.5 | *a* | 9.5 | | 43.5 | 7.4 | | 9.4 | 36 | 8.4 | 5.5 | | 9.2 | | 58.0 | 52.2 | *a* |
| 9.5 | | 33.1 | 41.4 | *a* | 9.4 | | 18.2 | 52.2 | | 8.8 | 27 | 19.1 | 31.6 | | 8.8 | | 19.1 | 39.6 | | 9.0 | 45 | 10.1 | 55.4 | |
| 9.3 | | 44.4 | 39.8 | | 7.5 | | 35.0 | 17.4 | L | 8.9 | | 20.4 | 12.6 | | 9.5 | | 21.8 | 54.5 | | 9.5 | | 16.2 | 14.4 | |
| 8.1 | | 54.0 | 52.6 | Lb | 8.8 | | 53.9 | 50.9 | | 9.3 | | 28.5 | 49.4 | | 9.1 | | 25.0 | 26.3 | *a* | 9.0 | | 16.5 | 38.1 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *23.76* | *0.95* | | *10pr.* | | *23.84* | *1.06* | | *10pr.* | | *23.93* | *1.18* | | *10pr.* | | *24.02* | *1.29* | | *10pr.* | | *24.15* | *1.42* | |

| | | | | |
|---|---|---|---|---|
| *3387* | *a* | | | |
| *var* | 28 | 1.5 | 0.4 | |
| *3393* | *a* | | | |
| *9.3* | *28* | *24.1* | *7.3* | *B* |

| m | 3501—3560 19ʰ | +28° | | m | 3561—3620 19ʰ—20ʰ | +28° | | m | 3621—3680 20ʰ | +28° | | m | 3681—3740 20ʰ | +28° | | m | 3741—3800 20ʰ | +28° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 45′ 21.2 | 29.5 | | 9.4 | 53′ 39.1 | 4.2 | α | 9.0 | 0′ 24.4 | 54.7 | | 9.0 | 9′ 43.0 | 13.3 | | 9.1 | 18′ 48.5 | 50.8 | α |
| 9.5 | 29.5 | 13.9 | | 9.3 | 39.6 | 56.5 | α | 9.5 | 28.5 | 9.1 | | 8.8 | 10 10.8 | 36.5 | | 9.0 | 19 15.6 | 26.6 | |
| 9.5 | 42.8 | 13.9 | | 9.5 | 47.7 | 40.7 | | 9.5 | 1 5.1 | 26.7 | Rb | 9.5 | 27.9 | 35.0 | | 9.5 | 30.1 | 3.3 | B |
| 9.4 | 46.9 | 59.6 | | 9.3 | 50.4 | 6.6 | R | 9.3 | 11.3 | 19.0 | | 8.1 | 29.6 | 41.3 | B | 9.3 | 36.1 | 2.2 | α |
| 9.3 | 49.6 | 4.2 | | 9.4 | 50.8 | 55.8 | R | 9.4 | 15.5 | 28.4 | R | 7.7 | 40.6 | 4.7 | L | 9.3 | 46.8 | 16.7 | |
| 9.3 | 53.7 | 38.8 | | 9.5 | 55.2 | 47.1 | | 8.8 | 20.4 | 54.4 | K | 9.4 | 49.6 | 45.4 | | 9.3 | 20 7.2 | 40.9 | |
| 8.6 | 55.0 | 54.4 | | 9.3 | 58.0 | 51.1 | B | 9.4 | 42.9 | 11.3 | | 9.4 | 11 6.3 | 1.0 | | 8.7 | 9.0 | 59.6 | K |
| 9.0 | 46 16.8 | 30.2 | | 9.3 | 54 6.6 | 20.5 | B | 9.4 | 43.0 | 22.3 | | 9.5 | 10.1 | 56.0 | | 9.3 | 9.1 | 8.5 | B |
| 9.3 | 19.4 | 51.9 | | 9.5 | 7.5 | 37.3 | | 9.4 | 43.3 | 56.8 | | 8.0 | 16.5 | 28.6 | K | 9.4 | 13.8 | 16.0 | |
| 8.7 | 36.0 | 46.9 | | 9.3 | 10.3 | 17.0 | | 9.5 | 52.9 | 35.3 | | 9.4 | 18.0 | 2.1 | | 9.4 | 21.4 | 3.8 | |
| 8.5 | 41.0 | 10.4 | | 9.5 | 11.8 | 5.0 | α | 9.5 | 54.1 | 45.6 | | 9.4 | 23.0 | 56.9 | B | 9.4 | 29.0 | 51.3 | |
| 9.4 | 49.2 | 12.4 | α | 9.4 | 17.0 | 22.2 | | 9.5 | 2 5.5 | 9.4 | α | 9.0 | 28.1 | 26.4 | K | 9.4 | 37.7 | 29.7 | B |
| 7.3 | 59.0 | 37.1 | L | 9.5 | 22.7 | 51.1 | | 9.3 | 10.4 | 13.3 | α | 9.4 | 28.8 | 38.5 | B | 9.5 | 38.3 | 36.2 | |
| 8.3 | 47 17.0 | 13.9 | | 9.4 | 27.6 | 21.9 | α | 9.3 | 15.6 | 6.1 | α | 9.0 | 36.4 | 4.2 | B | 9.0 | 44.5 | 52.5 | |
| 8.3 | 26.1 | 8.2 | | 9.5 | 50.5 | 53.1 | | 9.3 | 31.2 | 20.5 | | 7.0 | 37.5 | 41.7 | K | 9.5 | 54.1 | 30.2 | α |
| 9.5 | 41.2 | 42.6 | | 8.7 | 55 1.2 | 22.0 | | 9.3 | 43.2 | 44.2 | | 9.4 | 58.8 | 17.3 | | 9.3 | 57.9 | 33.4 | |
| 9.0 | 51.1 | 0.8 | | 8.1 | 12.6 | 44.5 | K | 9.5 | 51.3 | 37.3 | | 9.5 | 12 7.1 | 44.9 | | 9.5 | 21 9.6 | 50.2 | B |
| 9.0 | 56.0 | 20.0 | | 9.0 | 24.5 | 30.0 | K | 9.5 | 59.0 | 54.6 | | 8.7 | 17.5 | 45.9 | | 9.5 | 34.2 | 1.9 | |
| 9.3 | 56.8 | 9.0 | | 9.5 | 29.0 | 20.2 | | 8.2 | 3 0.9 | 15.5 | L | 9.3 | 39.1 | 5.4 | | 9.4 | 48.7 | 40.7 | |
| 9.5 | 48 1.0 | 51.5 | | 9.0 | 40.3 | 48.4 | B | 9.5 | 5.9 | 59.6 | B | 9.5 | 58.1 | 48.5 | α | 9.5 | 22 14.9 | 32.6 | |
| 8.7 | 9.6 | 0.8 | K | 9.2 | 45.9 | 44.3 | B | 9.5 | 16.5 | 10.8 | α | 9.5 | 58.4 | 54.8 | | 8.5 | 27.5 | 28.6 | B |
| 9.2 | 16.0 | 25.7 | | 9.3 | 47.1 | 54.0 | α | 9.0 | 23.4 | 15.1 | | 9.3 | 58.8 | 47.5 | B | 8.2 | 34.0 | 1.9 | K |
| 9.3 | 16.5 | 34.2 | | 9.4 | 49.5 | 34.3 | | 9.4 | 48.9 | 14.3 | α | 9.5 | 13 10.3 | 47.9 | B | 7.8 | 36.8 | 18.2 | K |
| 9.5 | 41.1 | 44.0 | | 9.3 | 57.4 | 9.9 | B | 9.0 | 4 8.6 | 46.4 | | 9.2 | 35.0 | 26.1 | α | 8.8 | 43.1 | 5.4 | K |
| 9.5 | 53.2 | 13.9 | | 8.5 | 56 1.5 | 8.6 | L | 7.1 | 33.7 | 0.2 | K | 9.1 | 36.6 | 6.3 | αb | 9.5 | 51.1 | 24.4 | |
| 9.4 | 54.2 | 16.6 | | 9.3 | 1.8 | 16.0 | | 7.5 | 38.5 | 56.0 | L | 9.3 | 40.9 | 46.2 | α | 9.5 | 23 1.3 | 59.8 | |
| 9.2 | 49 13.1 | 7.1 | α | 9.0 | 9.5 | 50.1 | | 8.4 | 56.7 | 2.7 | K | 9.4 | 45.0 | 51.1 | | 9.2 | 8.5 | 48.9 | α |
| 9.0 | 28.9 | 23.5 | | 9.3 | 16.1 | 38.2 | B | 8.4 | 57.2 | 48.6 | | 9.4 | 58.0 | 29.6 | | 9.5 | 11.8 | 36.5 | |
| 8.8 | 34.0 | 58.8 | | 9.0 | 21.1 | 24.4 | K | 8.9 | 57.3 | 24.3 | B | 9.3 | 14 34.3 | 19.8 | α | 9.1 | 32.4 | 12.3 | α |
| 9.2 | 46.1 | 1.8 | α | 9.2 | 22.3 | 17.0 | α | 9.0 | 5 0.0 | 8.1 | | 9.0 | 34.5 | 29.6 | | 9.3 | 37.4 | 20.2 | B |
| 9.1 | 48.7 | 16.1 | α | 9.5 | 24.1 | 42.4 | | 9.1 | 9.6 | 29.6 | α | 9.4 | 45.0 | 48.6 | | 9.5 | 42.1 | 7.9 | B |
| 8.0 | 50.6 | 22.0 | K | 9.3 | 24.5 | 28.6 | | 9.0 | 24.0 | 9.1 | K | 9.0 | 46.6 | 4.4 | | 9.5 | 58.7 | 21.5 | |
| 9.3 | 53.3 | 4.6 | B | 9.1 | 28.6 | 7.1 | | 7.7 | 29.1 | 44.4 | L | 9.3 | 15 3.5 | 11.1 | α | 9.1 | 24 2.5 | 50.4 | αb |
| 9.4 | 54.0 | 9.0 | α | 9.2 | 38.4 | 34.3 | | 9.5 | 40.3 | 19.3 | | 9.5 | 50.6 | 7.4 | | 9.5 | 11.4 | 55.4 | α |
| 9.4 | 58.1 | 36.3 | α | 7.1 | 50.6 | 7.1 | K | 9.2 | 58.1 | 25.7 | α | 8.7 | 59.3 | 37.3 | | 9.1 | 28.7 | 22.7 | α |
| 8.5 | 50 5.2 | 50.4 | | 9.5 | 54.3 | 19.2 | | 8.5 | 58.7 | 41.2 | | 9.0 | 16 2.0 | 30.7 | | 9.2 | 34.3 | 1.2 | α |
| 9.4 | 21.3 | 11.8 | | 9.3 | 57 10.5 | 51.6 | | 9.0 | 6 4.5 | 28.5 | | 8.2 | 9.0 | 22.8 | B | 9.5 | 48.9 | 35.0 | |
| 9.5 | 24.4 | 35.9 | | 9.4 | 15.8 | 18.0 | | 8.5 | 5.1 | 45.7 | | 9.4 | 12.0 | 22.6 | B | 9.1 | 25 7.1 | 27.4 | α |
| 8.4 | 40.5 | 14.0 | K | 9.5 | 18.1 | 59.3 | | 9.3 | 13.0 | 8.1 | α | 8.2 | 22.8 | 37.3 | Kb | 9.0 | 13.4 | 25.9 | B |
| 9.2 | 43.6 | 50.7 | α | 9.3 | 27.5 | 51.1 | | 9.4 | 14.6 | 18.0 | | 9.3 | 25.3 | 23.7 | B | 8.9 | 22.1 | 7.5 | K |
| 9.4 | 58.8 | 36.9 | B | 8.9 | 40.5 | 51.0 | | 8.6 | 14.6 | 3.4 | K | 9.3 | 29.6 | 5.2 | | 9.4 | 22.1 | 21.5 | |
| 7.0 | 51 29.6 | 18.6 | K | 8.8 | 45.9 | 34.3 | | 9.0 | 22.6 | 46.6 | | 9.1 | 37.0 | 8.8 | α | 9.3 | 22.7 | 52.9 | |
| 8.9 | 29.9 | 58.1 | B | 9.0 | 46.5 | 29.1 | | 8.8 | 24.7 | 41.5 | | 9.5 | 37.7 | 0.4 | | 9.4 | 28.1 | 21.5 | α |
| 9.3 | 35.4 | 54.8 | B | 9.3 | 58.5 | 15.6 | B | 8.5 | 25.3 | 56.8 | K | 9.0 | 47.9 | 10.5 | B | 9.5 | 38.3 | 39.0 | |
| 9.4 | 35.8 | 56.2 | | 9.1 | 59.2 | 10.1 | αb | 9.4 | 29.1 | 46.2 | B | 9.0 | 49.4 | 55.5 | | 9.5 | 43.0 | 13.0 | |
| 7.4 | 52 1.6 | 29.1 | B | 9.5 | 58 1.4 | 21.1 | B | 9.5 | 42.5 | 45.9 | | 9.4 | 54.1 | 16.9 | B | 8.0 | 26 40.4 | 33.8 | B |
| 9.0 | 6.8 | 56.2 | B | 9.4 | 42.4 | 43.9 | | 9.3 | 48.8 | 42.7 | | 9.5 | 55.7 | 9.8 | | 8.2 | 49.6 | 33.2 | B |
| 9.2 | 16.6 | 7.6 | α | 9.5 | 45.2 | 23.8 | α | 9.3 | 7 0.4 | 46.6 | α | 9.5 | 17 12.3 | 58.8 | | 9.5 | 27 0.6 | 21.9 | |
| 9.5 | 17.4 | 18.8 | | 9.5 | 54.0 | 9.1 | | 9.5 | 6.5 | 9.4 | | 8.3 | 19.2 | 20.5 | K | 9.4 | 1.8 | 22.9 | α |
| 9.4 | 22.8 | 50.9 | | 9.5 | 59 9.3 | 16.5 | | 9.2 | 8.3 | 57.0 | α | 9.1 | 29.7 | 43.5 | α | 8.7 | 2.3 | 22.4 | B |
| 8.7 | 23.7 | 40.7 | | 9.4 | 31.4 | 13.5 | | 9.5 | 10.1 | 3.7 | | 9.5 | 35.4 | 33.1 | | 9.4 | 18.4 | 55.5 | |
| 8.2 | 27.4 | 13.3 | K | 9.3 | 32.1 | 55.0 | | 9.5 | 28.0 | 29.6 | | 9.5 | 46.5 | 9.4 | | 9.2 | 28 8.0 | 11.3 | |
| 8.0 | 31.1 | 35.8 | L | 9.3 | 35.3 | 35.8 | | 9.2 | 38.5 | 52.6 | α | 9.4 | 51.8 | 59.0 | | 9.5 | 13.7 | 2.2 | |
| 9.5 | 45.9 | 27.6 | | 9.3 | 39.7 | 43.5 | | 9.5 | 8 2.9 | 33.1 | | 9.5 | 18 1.1 | 4.2 | | 9.0 | 23.4 | 14.5 | |
| 8.9 | 55.5 | 4.4 | | 9.2 | 42.3 | 28.2 | | 6.0 | 15.4 | 15.3 | Kb | 7.4 | 10.0 | 32.1 | L | 9.3 | 25.5 | 8.6 | |
| 9.5 | 53 6.3 | 51.6 | | 9.2 | 43.5 | 51.5 | | 9.2 | 50.1 | 37.4 | | 9.0 | 22.4 | 39.8 | B | 9.1 | 32.6 | 49.2 | B |
| 9.5 | 11.4 | 35.0 | | 8.9 | 54.5 | 31.9 | B | 9.3 | 54.4 | 13.6 | | 9.4 | 22.8 | 58.8 | | 9.4 | 35.8 | 44.3 | |
| 9.4 | 14.1 | 32.9 | B | 9.3 | 0 10.4 | 14.8 | | 9.5 | 9 15.8 | 17.6 | | 8.3 | 24.9 | 53.8 | K | 9.3 | 39.8 | 59.9 | α |
| 9.5 | 25.0 | 48.9 | α | 8.5 | 13.9 | 30.2 | K | 8.8 | 29.9 | 48.6 | | 9.5 | 26.3 | 57.8 | | 8.7 | 48.6 | 3.7 | K |
| 9.5 | 31.5 | 1.4 | α | 9.3 | 19.2 | 42.1 | | 8.9 | 39.7 | 44.4 | | 8.0 | 44.6 | 3.9 | K | 9.2 | 49.8 | 51.2 | α |
| 10pr. | 24.28 | 1.54 | | 10pr. | 24.38 | 1.62 | | 10pr. | 24.51 | 1.74 | | 10pr. | 24.67 | 1.86 | | 10pr. | 24.84 | 1.96 | |

| 3801—3860 | | | | | 3861—3920 | | | | | 3921—3980 | | | | | 3981—4040 | | | | | 4041—4100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | | +28° | | | 20ᵘ | | +28° | | | 20ᵘ | | +28° | | | 20ᵘ—21ᵘ | | +28° | | | 21ᵘ | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 29 | 0.6 | 7.1 | | 9.5 | 37 | 2.1 | 1.8 | | 8.0 | 48 | 10.1 | 26.1 | K | 9.5 | 58 | 38.3 | 59.2 | | 9.5 | 10 | 52.4 | 57.3 | a |
| 9.5 | | 0.9 | 14.8 | | 9.5 | | 7.8 | 54.8 | | 9.4 | | 11.6 | 51.2 | B | 9.0 | 59 | 2.5 | 3.5 | | 9.4 | 11 | 12.1 | 47.2 | a |
| 9.5 | | 23.2 | 23.2 | | 9.5 | | 10.3 | 13.8 | | 9.2 | | 22.3 | 22.8 | B | 9.5 | | 15.7 | 57.7 | | 9.5 | | 16.7 | 7.3 | |
| 9.2 | | 39.1 | 56.3 | a | 9.5 | | 20.7 | 48.0 | | 9.4 | | 40.8 | 15.8 | | 8.0 | | 19.0 | 31.5 | K | 8.8 | | 21.0 | 38.0 | |
| 8.7 | | 54.3 | 16.3 | L | 9.2 | | 41.4 | 56.5 | a | 8.9 | 49 | 0.4 | 14.8 | | 8.2 | | 24.0 | 9.8 | L | 9.5 | | 21.6 | 4.4 | |
| 9.5 | 30 | 0.6 | 11.4 | | 9.4 | | 54.4 | 36.6 | a | 9.5 | | 3.1 | 24.9 | | 9.4 | | 40.2 | 57.0 | B | 9.3 | | 50.1 | 56.8 | a |
| 9.5 | | 9.5 | 57.8 | B | 9.3 | | 57.6 | 47.7 | | 9.3 | | 8.0 | 50.4 | a | *9.3 | 0 | 43.5 | 50.6 | a | 8.7 | | 52.2 | 48.7 | |
| 9.1 | | 18.5 | 52.1 | a | 9.5 | | 59.0 | 56.9 | | 9.5 | | 13.0 | 29.4 | | 8.9 | | 43.9 | 54.6 | - | 9.5 | | 58.6 | 21.5 | a |
| 9.4 | | 22.5 | 31.1 | | 8.1 | | 59.8 | 36.9 | K | 9.5 | | 14.9 | 36.0 | | 9.4 | | 49.1 | 31.0 | B | 9.3 | 12 | 0.1 | 44.2 | a |
| 8.7 | | 29.7 | 42.7 | | 9.3 | 38 | 1.0 | 34.9 | aB | 9.5 | | 23.8 | 58.0 | | 9.4 | | 50.8 | 48.4 | | 9.5 | | 32.0 | 38.6 | a |
| 9.3 | 30 | 53.2 | 57.7 | B | 9.5 | | 26.7 | 2.9 | | 9.2 | | 26.9 | 2.5 | a | 9.5 | 1 | 8.3 | 56.3 | | 8.8 | | 33.3 | 57.4 | |
| 9.3 | | 56.9 | 0.1 | a | 9.3 | | 27.1 | 24.4 | | 9.4 | | 28.2 | 22.1 | B | 9.0 | | 19.7 | 44.9 | B | 9.5 | | 37.3 | 55.2 | a |
| 9.5 | 31 | 7.1 | 21.3 | | 9.0 | | 36.6 | 27.9 | | 9.4 | | 34.0 | 25.9 | | 9.2 | | 21.4 | 54.5 | a | 9.4 | | 53.5 | 12.9 | a |
| 9.4 | | 8.6 | 26.0 | B | 9.5 | | 39.1 | 26.1 | a | 9.5 | | 35.9 | 21.5 | | 9.2 | | 35.2 | 44.2 | a | 9.5 | 13 | 42.1 | 45.5 | a |
| 9.5 | | 20.5 | 49.9 | | 9.0 | 39 | 2.0 | 30.8 | | 8.0 | | 44.5 | 9.3 | L | 9.2 | | 41.7 | 1.9 | a | 9.4 | | 50.8 | 29.9 | a |
| 9.3 | | 23.7 | 43.9 | | 9.4 | | 2.3 | 7.3 | a | 8.4 | | 59.7 | 1.4 | L | 8.5 | | 57.7 | 2.7 | Kb | 9.4 | | 54.0 | 37.8 | |
| 9.3 | | 24.1 | 19.2 | | 9.4 | | 9.2 | 8.9 | B | 9.5 | 50 | 4.6 | 31.5 | | 9.2 | 2 | 10.8 | 38.0 | a | 8.5 | | 58.9 | 35.1 | |
| 9.2 | | 46.1 | 37.9 | Bb | 9.0 | | 22.3 | 37.6 | | 9.5 | | 13.0 | 37.8 | | 9.5 | | 13.0 | 0.7 | | 7.6 | 14 | 19.0 | 12.9 | K |
| 9.2 | | 47.4 | 13.0 | a | 9.5 | | 30.1 | 39.8 | | 9.4 | | 32.1 | 7.1 | | 9.3 | | 13.9 | 33.8 | a | 9.3 | | 29.3 | 4.0 | a |
| 9.3 | | 51.7 | 44.2 | a | 9.5 | | 36.2 | 43.5 | | 9.3 | | 37.3 | 1.0 | | 9.3 | | 21.0 | 31.8 | a | 9.5 | | 48.3 | 3.6 | |
| 9.2 | 32 | 7.1 | 1.2 | a | 9.3 | | 54.0 | 28.0 | B | 9.3 | | 39.2 | 53.5 | B | 9.3 | | 23.4 | 13.6 | a | 9.5 | | 55.9 | 42.6 | B |
| 9.5 | | 13.3 | 37.7 | B | 9.1 | 40 | 11.7 | 20.5 | | 9.5 | | 53.3 | 36.5 | | 9.4 | | 53.7 | 33.2 | B | 9.5 | | 56.0 | 47.1 | a |
| 9.3 | | 29.8 | 38.5 | a | 9.3 | | 26.6 | 45.7 | | 9.5 | 51 | 3.3 | 47.9 | | 8.9 | | 55.6 | 47.1 | | 9.0 | 15 | 7.8 | 32.6 | |
| 9.3 | | 30.7 | 20.2 | | 9.5 | | 42.4 | 53.9 | B | 9.4 | | 5.1 | 46.7 | B | 9.2 | 3 | 1.2 | 41.4 | a | 9.4 | | 35.3 | 53.4 | a |
| 9.4 | | 38.6 | 45.9 | | 9.0 | | 44.3 | 17.0 | | 9.3 | | 10.7 | 46.7 | B | 8.5 | | 13.9 | 25.2 | K | 9.3 | | 52.3 | 59.3 | B |
| 9.4 | | 40.0 | 29.1 | | 9.5 | | 57.7 | 52.9 | | 9.4 | | 23.6 | 26.1 | | 9.5 | | 28.5 | 14.9 | a | 8.4 | 16 | 2.0 | 37.6 | |
| 9.5 | 33 | 3.3 | 16.3 | | 9.3 | 41 | 33.6 | 1.3 | | 9.0 | | 30.5 | 15.0 | | 9.4 | | 38.3 | 30.0 | | 8.9 | | 2.8 | 29.2 | |
| 8.0 | | 16.9 | 35.3 | K | 7.7 | 42 | 3.7 | 0.0 | K | 9.4 | | 35.6 | 1.8 | | 9.0 | | 45.7 | 24.5 | K | 9.4 | | 10.3 | 51.0 | a |
| 9.0 | | 20.4 | 14.3 | | 9.5 | | 26.8 | 59.1 | | 9.5 | | 37.2 | 1.2 | | 8.8 | | 52.7 | 51.7 | | 9.5 | | 16.9 | 12.8 | |
| 9.3 | | 23.1 | 27.9 | | 8.3 | | 32.8 | 16.3 | K | 9.4 | | 40.8 | 31.8 | | 9.1 | | 55.4 | 23.7 | B | 9.3 | | 25.9 | 35.6 | a |
| 9.4 | | 25.6 | 7.4 | | 9.2 | | 38.6 | 4.0 | a | 7.7 | | 54.5 | 50.1 | K | 9.4 | 4 | 5.1 | 42.8 | a | 9.4 | | 43.4 | 55.9 | a |
| 9.5 | | 29.7 | 1.0 | | 9.1 | | 44.3 | 39.7 | a | 8.3 | | 57.2 | 42.9 | L | 9.3 | | 22.9 | 0.0 | a | 8.7 | | 46.6 | 20.2 | |
| 8.7 | | 35.1 | 3.9 | K | 9.4 | | 57.4 | 15.3 | B | 9.5 | 52 | 43.9 | 11.6 | | 9.5 | | 30.3 | 6.7 | | 9.4 | | 51.4 | 53.1 | B |
| 9.3 | | 53.6 | 5.2 | a | 9.5 | 43 | 9.8 | 28.9 | B | 9.5 | | 50.1 | 26.6 | | 9.3 | | 40.6 | 20.8 | | 9.5 | 17 | 4.6 | 52.9 | B |
| 9.5 | | 58.5 | 17.5 | | 9.5 | | 18.5 | 7.9 | a | 9.5 | 53 | 9.0 | 11.0 | | 9.3 | | 41.5 | 40.1 | | 9.5 | | 18.2 | 7.6 | |
| 9.3 | | 59.4 | 53.1 | | 9.1 | | 19.5 | 49.2 | Bb | 9.5 | | 24.7 | 43.4 | | 8.8 | | 51.7 | 50.7 | K | 9.5 | | 24.2 | 47.5 | a |
| 9.5 | 34 | 0.0 | 34.9 | | 9.5 | | 34.6 | 59.4 | | 9.2 | | 36.1 | 26.1 | a | 9.3 | 5 | 12.0 | 57.5 | a | 9.5 | | 25.9 | 27.0 | |
| 9.5 | | 2.8 | 38.5 | | 8.0 | | 52.1 | 26.6 | L | 9.2 | | 36.4 | 12.1 | a | 9.5 | | 28.3 | 37.3 | B | 9.4 | | 32.4 | 9.4 | a |
| 9.1 | | 12.5 | 50.1 | a | 9.5 | | 55.7 | 0.8 | | 9.3 | | 42.2 | 21.2 | B | 8.9 | | 28.7 | 26.3 | Kb | 9.5 | | 32.7 | 34.0 | |
| 9.5 | | 20.4 | 8.8 | B | 8.5 | 44 | 5.5 | 50.8 | | 8.8 | | 48.7 | 43.4 | | 9.4 | | 48.3 | 7.5 | | 9.5 | | 35.8 | 31.7 | |
| 8.8 | | 32.5 | 31.1 | | 9.2 | | 22.7 | 42.2 | a | 9.4 | 54 | 7.5 | 57.3 | | 8.9 | 6 | 14.7 | 16.0 | B | 9.5 | | 44.5 | 42.5 | a |
| 9.5 | | 35.5 | 8.5 | | 8.5 | | 24.0 | 10.6 | L | 9.0 | | 20.4 | 12.8 | | 9.5 | | 14.8 | 29.2 | | 9.5 | | 50.7 | 4.2 | |
| 9.5 | | 57.4 | 0.4 | | 9.4 | | 42.8 | 38.5 | | 8.5 | | 21.9 | 34.8 | | 8.0 | | 14.8 | 21.6 | B | 9.5 | | 53.3 | 52.4 | a |
| 9.4 | | 58.2 | 19.0 | B | 9.0 | 45 | 1.4 | 36.3 | | 8.9 | | 26.9 | 52.1 | B | 8.8 | | 56.2 | 2.7 | K | 9.3 | 18 | 46.4 | 9.1 | a |
| 9.5 | | 59.1 | 26.6 | | 8.8 | | 6.0 | 9.9 | | 9.4 | | 31.1 | 22.2 | | 9.5 | 7 | 0.4 | 57.5 | | 7.3 | 19 | 2.2 | 49.8 | Kb |
| 9.3 | 35 | 2.7 | 40.7 | | 9.4 | | 20.8 | 16.0 | | 9.5 | 55 | 6.4 | 11.8 | a | 9.2 | | 7.2 | 0.6 | K | 9.5 | | 22.1 | 43.6 | a |
| 9.1 | | 2.9 | 54.3 | a | 8.0 | | 59.3 | 19.5 | B | 9.2 | 56 | 20.8 | 55.6 | a | 8.5 | | 33.0 | 42.6 | | 9.5 | | 27.7 | 49.8 | |
| 9.5 | | 9.0 | 7.9 | | 9.1 | 46 | 3.7 | 44.2 | ab | 9.4 | | 21.0 | 8.9 | | 9.5 | | 51.3 | 1.4 | a | 9.5 | | 33.0 | 40.7 | |
| 8.0 | | 16.5 | 50.8 | K | 9.3 | | 5.6 | 55.9 | | 9.4 | | 33.4 | 51.1 | B | 9.2 | | 59.4 | 9.7 | | 9.5 | | 38.3 | 57.0 | |
| 8.8 | | 22.0 | 48.9 | K | 8.8 | | 10.1 | 6.9 | | 8.2 | | 45.1 | 25.4 | K | 8.8 | 8 | 8.4 | 59.1 | | 9.2 | 20 | 3.1 | 15.1 | ab |
| 9.5 | | 36.2 | 21.7 | | 9.5 | | 19.5 | 8.6 | | 9.3 | | 58.4 | 54.8 | a | 8.8 | | 10.8 | 29.1 | | 9.5 | | 4.6 | 19.4 | |
| 9.5 | | 41.4 | 55.5 | | 9.4 | | 22.9 | 11.8 | | 8.8 | 57 | 3.9 | 13.1 | | 8.5 | 9 | 0.3 | 53.4 | | 9.5 | | 9.1 | 45.3 | a |
| 9.4 | | 44.6 | 45.6 | | 9.4 | | 38.8 | 36.3 | | 9.4 | | 6.0 | 29.1 | a | 9.5 | | 6.2 | 10.8 | | 9.5 | | 55.3 | 6.3 | a |
| 9.3 | | 46.9 | 42.7 | B | 9.3 | | 49.5 | 10.6 | | 7.0 | | 20.0 | 31.6 | K | 9.5 | | 12.7 | 11.6 | | 9.5 | | 58.5 | 13.2 | |
| 9.5 | | 59.2 | 21.2 | | 8.0 | | 50.6 | 47.4 | K | 9.5 | | 45.4 | 53.3 | | 9.5 | | 38.6 | 21.5 | a | 9.5 | | 59.5 | 39.4 | |
| 9.5 | 36 | 2.7 | 41.5 | | 7.7 | | 57.9 | 36.0 | K | 9.4 | | 49.6 | 6.6 | a | 9.4 | | 50.4 | 18.0 | | 9.1 | 21 | 35.4 | 11.2 | a |
| 9.3 | | 14.1 | 7.4 | | 8.7 | 47 | 8.1 | 24.4 | | 9.4 | | 57.1 | 59.7 | | 9.4 | 10 | 2.0 | 3.6 | | 9.5 | | 39.1 | 47.5 | a |
| 9.4 | | 21.1 | 56.6 | B | 9.5 | | 27.2 | 18.4 | B | 9.3 | 58 | 18.8 | 39.2 | a | 9.5 | | 6.0 | 9.0 | | 9.3 | | 39.3 | 52.4 | a |
| 9.4 | | 29.3 | 0.7 | a | 9.5 | | 37.0 | 31.3 | | 9.4 | | 22.1 | 27.6 | a | 9.5 | | 13.3 | 4.3 | a | 9.5 | | 41.5 | 13.2 | a |
| 9.5 | | 33.3 | 18.7 | | 7.5 | | 51.3 | 57.2 | K | 9.2 | | 29.0 | 29.1 | a | 9.5 | | 44.4 | 14.5 | a | 9.5 | | 44.4 | 11.2 | a |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 25.03 | 2.07 | | 10pr. | | 25.21 | 2.18 | | 10pr. | | 25.41 | 2.28 | | 10pr. | | 25.68 | 2.40 | | 10pr. | | 25.97 | 2.53 | |

3986 a
var | 59 50 | 49.6 |

### 4101—4160

| m | 21ᵘ | +28° | |
|---|---|---|---|
| 8.7 | 22′ 4.1 | 45.7 | |
| 9.5 | 6.0 | 6.1 | |
| 8.9 | 11.1 | 47.5 | |
| 9.4 | 33.5 | 10.5 | a |
| 8.5 | 23 1.5 | 14.4 | L |
| 8.9 | 5.2 | 2.0 | |
| 8.8 | 7.9 | 43.8 | |
| 8.9 | 10.9 | 45.1 | B |
| 9.3 | 18.6 | 50.5 | B |
| 8.0 | 24 3.6 | 21.2 | K |
| 9.0 | 41.4 | 12.8 | |
| 9.4 | 51.0 | 18.3 | B |
| 9.1 | 51.1 | 42.9 | a |
| 9.5 | 25 0.0 | 20.8 | |
| 9.5 | 14.2 | 25.9 | |
| 9.2 | 14.4 | 59.5 | a |
| 9.0 | 33.3 | 54.2 | |
| 9.1 | 56.3 | 7.8 | a |
| 9.4 | 57.2 | 35.5 | B |
| 9.5 | 59.0 | 50.5 | a |
| 9.5 | 26 4.7 | 25.3 | |
| 9.3 | 24.1 | 51.9 | B |
| 9.2 | 26.3 | 5.3 | ab |
| 9.3 | 33.0 | 41.1 | a |
| 9.5 | 45.9 | 36.4 | |
| 9.5 | 27 6.7 | 25.0 | |
| 9.4 | 27.1 | 42.7 | |
| 8.8 | 45.6 | 19.0 | |
| 9.3 | 56.9 | 37.3 | a |
| 9.3 | 28 26.6 | 19.5 | a |
| 9.5 | 38.7 | 23.0 | a |
| 9.5 | 58.2 | 47.9 | |
| 9.1 | 29 27.3 | 57.4 | a |
| 9.2 | 31.3 | 52.5 | a |
| 9.5 | 45.1 | 45.3 | a |
| 9.5 | 52.3 | 57.4 | |
| 8.1 | 30 2.3 | 53.4 | K |
| 9.4 | 4.5 | 14.4 | a |
| 9.5 | 14.2 | 0.5 | |
| 8.8 | 44.4 | 10.7 | |
| 8.0 | 57.7 | 49.5 | Kb |
| 9.5 | 59.5 | 17.9 | a |
| 8.6 | 31 25.4 | 59.9 | K |
| 9.5 | 32.1 | 47.7 | |
| 9.0 | 47.5 | 17.8 | |
| 9.5 | 32 2.1 | 46.7 | |
| 8.7 | 2.4 | 34.9 | |
| 9.5 | 26.9 | 54.6 | |
| 9.5 | 30.1 | 45.2 | |
| 9.5 | 52.9 | 35.3 | a |
| 9.5 | 33 2.5 | 15.5 | a |
| 9.5 | 4.5 | 17.0 | |
| 8.8 | 21.8 | 31.7 | |
| 9.3 | 24.3 | 57.4 | a |
| 9.4 | 31.4 | 10.0 | a |
| 9.4 | 32.0 | 37.9 | |
| 9.5 | 33.4 | 10.5 | |
| 9.5 | 34 5.7 | 52.9 | |
| 9.5 | 12.9 | 35.4 | a |
| 9.5 | 15.2 | 14.0 | |
| 10pr. | + 26.26 | + 2.64 | |

### 4161—4220

| m | 21ᵘ | +28° | |
|---|---|---|---|
| 7.1 | 34′ 17.3 | 5.8 | K |
| 8.0 | 37.0 | 40.6 | K |
| 9.5 | 56.2 | 50.8 | a |
| 9.5 | 35 36.1 | 43.0 | a |
| 9.5 | 45.7 | 26.7 | a |
| 8.8 | 57.8 | 3.0 | Rb |
| 8.6 | 37 14.1 | 45.2 | |
| 9.5 | 26.9 | 35.8 | |
| 4.5 | 40.3 | 5.4 | L |
| 9.3 | 47.6 | 45.8 | |
| 7.7 | 53.3 | 7.5 | L |
| 9.5 | 57.4 | 10.0 | |
| 7.3 | 58.9 | 35.9 | B |
| 7.5 | 38 3.1 | 31.7 | B |
| 9.1 | 27.3 | 6.0 | a |
| 9.3 | 28.5 | 38.6 | |
| 9.1 | 38.1 | 53.9 | a |
| 8.0 | 44.9 | 34.1 | K |
| 9.5 | 39 10.6 | 30.3 | |
| 8.7 | 12.3 | 3.7 | |
| 8.2 | 18.4 | 12.3 | L |
| 9.1 | 23.6 | 29.7 | B |
| 9.4 | 43.4 | 45.3 | a |
| 9.5 | 53.0 | 39.6 | |
| 9.4 | 40 2.9 | 17.1 | B |
| 9.5 | 12.6 | 22.0 | |
| 9.5 | 27.0 | 39.3 | |
| 9.4 | 27.0 | 7.9 | a |
| 9.5 | 29.9 | 34.4 | |
| 9.5 | 34.2 | 51.4 | a |
| 8.6 | 55.2 | 3.0 | K |
| 9.5 | 57.2 | 14.5 | B |
| 8.4 | 41 13.6 | 20.8 | L |
| 8.6 | 16.1 | 47.5 | |
| 8.1 | 32.4 | 8.2 | K |
| 8.9 | 35.4 | 39.4 | B |
| 8.7 | 38.4 | 10.4 | |
| 9.5 | 45.1 | 40.4 | |
| 9.5 | 48.1 | 40.3 | |
| 8.5 | 42 5.2 | 2.7 | K |
| 9.5 | 27.2 | 49.7 | |
| 9.1 | 43 2.7 | 24.7 | a |
| 8.6 | 9.6 | 19.5 | |
| 9.0 | 21.2 | 0.3 | |
| 9.4 | 27.5 | 43.8 | |
| 9.5 | 57.0 | 17.8 | |
| 9.5 | 44 1.3 | 53.9 | |
| 9.5 | 1.3 | 11.7 | B |
| 8.0 | 8.3 | 5.5 | K |
| 9.0 | 32.8 | 29.4 | |
| 9.5 | 43.4 | 11.2 | |
| 8.8 | 45 16.5 | 14.9 | |
| 9.3 | 30.3 | 5.3 | a |
| 9.3 | 46 1.5 | 14.4 | |
| 5.9 | 2.3 | 7.2 | Kb |
| 9.3 | 13.4 | 53.6 | |
| 9.1 | 24.9 | 34.3 | b |
| 9.5 | 26.8 | 30.8 | |
| 9.4 | 52.3 | 53.8 | |
| 9.3 | 57.9 | 36.8 | |
| 10pr. | + 26.58 | + 2.75 | |

### 4221—4280

| m | 21ᵘ | +28° | |
|---|---|---|---|
| 9.5 | 47′ 6.4 | 58.8 | |
| 9.5 | 6.7 | 26.7 | |
| 9.5 | 18.0 | 42.5 | |
| 9.4 | 20.4 | 7.9 | a |
| 9.4 | 27.4 | 8.6 | |
| 9.3 | 30.4 | 12.6 | |
| 9.2 | 35.4 | 11.6 | |
| 9.5 | 48 2.9 | 33.8 | |
| 9.2 | 4.7 | 24.9 | |
| 9.5 | 19.2 | 56.3 | |
| 9.5 | 22.7 | 22.9 | |
| 8.3 | 28.0 | 40.1 | K |
| 9.5 | 50.1 | 8.4 | B |
| 9.5 | 51.3 | 12.4 | |
| 8.8 | 49 2.9 | 34.4 | |
| 9.5 | 8.8 | 29.0 | a |
| 8.8 | 17.1 | 44.6 | K |
| 8.8 | 25.3 | 56.0 | R |
| 8.5 | 28.1 | 42.8 | K |
| 9.4 | 36.3 | 5.3 | a |
| 9.5 | 42.4 | 58.7 | |
| 9.5 | 50 0.4 | 58.2 | a |
| 8.9 | 28.7 | 26.1 | |
| 9.5 | 33.9 | 36.9 | a |
| 9.4 | 36.8 | 29.7 | a |
| 9.5 | 41.7 | 26.2 | a |
| 7.5 | 41.8 | 7.9 | K |
| 8.5 | 58.5 | 14.8 | |
| 7.2 | 59.4 | 37.3 | L |
| 9.5 | 51 4.0 | 38.5 | a |
| 7.9 | 8.3 | 4.9 | K |
| 9.1 | 12.4 | 11.6 | a |
| 8.8 | 19.2 | 0.5 | Kb |
| 9.0 | 21.1 | 44.5 | |
| 9.4 | 58.4 | 8.7 | a |
| 9.4 | 52 22.1 | 44.8 | |
| 9.5 | 33.4 | 10.0 | |
| 9.3 | 39.6 | 21.6 | a |
| 9.3 | 45.4 | 11.7 | a |
| 9.2 | 46.9 | 36.6 | |
| 9.4 | 53 21.6 | 25.2 | Rb |
| 9.5 | 33.7 | 50.3 | B |
| 9.4 | 47.5 | 39.9 | |
| 9.5 | 54 7.0 | 37.6 | a |
| 9.3 | 22.1 | 47.5 | R |
| 9.4 | 31.3 | 52.9 | |
| 9.4 | 33.3 | 6.2 | |
| 9.5 | 50.9 | 17.6 | |
| 8.8 | 56.5 | 40.5 | R |
| 9.1 | 55 13.4 | 58.3 | |
| 9.5 | 28.7 | 0.0 | |
| 8.4 | 42.2 | 3.9 | B |
| 9.0 | 56.2 | 52.2 | |
| 7.8 | 56 24.4 | 59.4 | K |
| 9.5 | 35.4 | 10.5 | |
| 9.4 | 44.5 | 42.4 | a |
| 9.5 | 57 2.2 | 3.1 | |
| 9.5 | 18.9 | 26.6 | |
| 9.3 | 58 3.0 | 39.6 | a |
| 9.5 | 21.2 | 47.5 | a |
| 10pr. | + 26.85 | + 2.83 | |

### 4281—4340

| m | 21ᵘ—22ᵘ | +28° | |
|---|---|---|---|
| 9.2 | 58′ 26.4 | 58.3 | a |
| 9.5 | 37.7 | 9.7 | a |
| 9.5 | 47.3 | 50.8 | B |
| 5.9 | 59 1.5 | 15.4 | Kb |
| 9.3 | 2.0 | 20.1 | R |
| 9.4 | 19.2 | 3.1 | |
| 9.3 | 29.0 | 42.6 | |
| 9.5 | 44.2 | 5.2 | |
| 8.6 | 0 2.8 | 30.5 | |
| 9.4 | 11.7 | 22.8 | a |
| 9.2 | 14.3 | 5.0 | a |
| 9.5 | 49.2 | 1.3 | |
| 8.8 | 54.0 | 15.4 | |
| 9.5 | 1 18.9 | 35.2 | |
| 7.9 | 31.4 | 58.7 | L |
| 9.5 | 32.9 | 33.5 | |
| 9.0 | 50.2 | 1.9 | |
| 9.2 | 2 1.8 | 30.0 | a |
| 9.0 | 11.9 | 34.4 | R |
| 9.4 | 20.7 | 1.4 | |
| 9.4 | 35.6 | 22.3 | |
| 9.5 | 3 33.3 | 53.5 | |
| 9.5 | 41.5 | 14.0 | |
| 8.7 | 54.6 | 19.2 | |
| 8.8 | 4 3.7 | 27.2 | |
| 9.5 | 9.9 | 38.0 | |
| 8.5 | 22.3 | 55.8 | |
| 9.2 | 22.3 | 41.1 | B |
| 7.2 | 47.8 | 32.2 | L |
| 9.3 | 48.5 | 40.9 | B |
| 9.3 | 5 1.5 | 13.4 | R |
| 8.5 | 28.6 | 20.8 | Rb |
| 9.2 | 36.5 | 17.3 | |
| 9.4 | 46.9 | 34.4 | a |
| 9.5 | 6 8.1 | 5.2 | |
| 9.0 | 17.3 | 46.1 | B |
| 9.5 | 23.7 | 51.6 | |
| 8.5 | 35.4 | 29.7 | |
| 9.4 | 44.5 | 2.1 | |
| 9.5 | 52.2 | 40.0 | |
| 9.5 | 7 6.0 | 10.7 | |
| 9.2 | 12.6 | 9.4 | B |
| 9.4 | 13.9 | 10.9 | a |
| 9.5 | 33.6 | 39.6 | |
| 8.3 | 33.7 | 30.8 | K |
| 8.9 | 51.5 | 29.3 | K |
| 7.3 | 59.0 | 51.4 | K |
| 9.3 | 8 5.8 | 28.8 | |
| 9.4 | 17.8 | 51.0 | |
| 8.9 | 24.6 | 40.4 | K |
| 9.3 | 31.5 | 13.9 | |
| 9.2 | 33.8 | 49.6 | B |
| 9.3 | 35.9 | 4.9 | |
| 8.8 | 57.4 | 45.0 | K |
| 9.4 | 9 2.7 | 26.4 | B |
| 9.2 | 10 0.0 | 29.5 | |
| 7.0 | 1.4 | 28.4 | Kb |
| 9.5 | 8.1 | 12.0 | |
| 9.3 | 42.8 | 4.1 | B |
| 9.5 | 11 11.2 | 5.5 | |
| 10pr. | + 27.23 | + 2.92 | |

### 4341—4400

| m | 22ᵘ | +28° | |
|---|---|---|---|
| 9.5 | 11′ 11.4 | 7.4 | |
| 9.4 | 17.4 | 51.6 | |
| 9.2 | 26.5 | 6.2 | a |
| 9.4 | 30.3 | 58.6 | |
| 9.4 | 37.9 | 27.0 | |
| 8.0 | 44.2 | 0.5 | K |
| 9.2 | 12 8.7 | 54.2 | b |
| 7.5 | 27.5 | 7.5 | K |
| 9.3 | 52.4 | 48.6 | |
| 8.6 | 13 14.0 | 6.8 | K |
| 8.5 | 32.4 | 47.3 | L |
| 9.4 | 36.8 | 58.1 | |
| 9.0 | 38.4 | 31.9 | R |
| 9.4 | 14 14.9 | 21.3 | |
| 9.4 | 17.6 | 5.6 | |
| 9.1 | 57.7 | 28.1 | R |
| 9.2 | 15 3.9 | 29.0 | a |
| 9.5 | 40.2 | 35.5 | |
| 9.4 | 46.1 | 38.6 | |
| 9.2 | 59.4 | 5.5 | b |
| 9.4 | 16 19.5 | 47.8 | |
| 9.3 | 36.5 | 14.1 | |
| 8.4 | 41.4 | 47.6 | K |
| 9.5 | 48.1 | 45.6 | |
| 9.5 | 17 3.7 | 48.3 | |
| 9.3 | 15.8 | 20.7 | |
| 9.4 | 58.2 | 12.8 | |
| 9.3 | 18 9.6 | 39.8 | |
| 9.0 | 19 29.5 | 27.4 | R |
| 9.3 | 35.1 | 58.8 | a |
| 9.5 | 48.0 | 51.1 | B |
| 8.8 | 20 13.8 | 24.2 | |
| 9.5 | 22.9 | 10.8 | |
| 9.4 | 33.2 | 44.4 | a |
| 9.0 | 51.1 | 29.0 | |
| 9.0 | 56.5 | 59.0 | K |
| 9.5 | 21 6.3 | 41.8 | |
| 8.5 | 23.8 | 57.5 | K |
| 9.2 | 22 3.2 | 13.9 | |
| 9.4 | 11.2 | 51.3 | a |
| 7.0 | 22.8 | 17.9 | K |
| 9.4 | 29.4 | 4.5 | B |
| 9.5 | 30.2 | 19.5 | a |
| 9.4 | 51.9 | 4.5 | B |
| 9.5 | 57.4 | 29.3 | a |
| 9.5 | 23 41.4 | 13.8 | |
| 8.9 | 24 24.1 | 46.5 | Kb |
| 9.5 | 34.5 | 1.7 | |
| 6.7 | 51.7 | 48.5 | K |
| 9.2 | 25 10.6 | 53.9 | a |
| 9.3 | 19.8 | 20.1 | B |
| 9.3 | 34.8 | 28.1 | |
| 9.0 | 41.6 | 28.8 | K |
| 9.4 | 55.2 | 7.5 | |
| 9.1 | 26 0.9 | 9.9 | a |
| 8.7 | 7.2 | 29.5 | K |
| 9.3 | 8.8 | 57.9 | a |
| 8.2 | 52.6 | 49.9 | L |
| 8.9 | 27 5.7 | 23.3 | K |
| 9.2 | 8.8 | 9.3 | |
| 10pr. | + 27.64 | + 3.03 | |

| 4401—4460 | | | | | 4461—4520 | | | | | 4521—4580 | | | | | 4581—4640 | | | | | 4641—4700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22h | | +28° | | | 22h | | +28° | | | 22h—23h | | +28° | | | 23h | | +28° | | | 23h | | +28° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.0 | 27 | 15.0 | 59.9 | L | 7.8 | 42 | 55.2 | 10.9 | K | 9.4 | 58 | 58.2 | 13.5 | | 9.0 | 19 | 13.8 | 33.2 | | 9.3 | 40 | 18.1 | 13.7 | |
| 9.1 | | 24.0 | 46.5 | a | 8.7 | 43 | 12.7 | 31.1 | K | 8.3 | 59 | 6.2 | 10.1 | K | 8.7 | | 28.9 | 14.5 | K | 9.5 | | 38.0 | 23.0 | |
| 8.6 | | 24.5 | 11.5 | | 9.5 | | 23.1 | 4.9 | | 9.0 | | 32.8 | 11.0 | B | 9.5 | | 29.5 | 59.8 | B | 8.8 | | 53.3 | 1.9 | |
| 9.3 | | 52.7 | 57.8 | B | 9.5 | | 45.5 | 47.9 | | 9.0 | | 33.8 | 15.5 | K | 9.5 | 20 | 7.4 | 20.7 | | 9.5 | 41 | 37.0 | 28.9 | |
| 8.3 | | 52.8 | 59.1 | Kb | 9.4 | 44 | 4.4 | 52.1 | B | 9.5 | | 38.2 | 35.3 | | 9.5 | | 15.2 | 3.1 | | 9.0 | | 39.3 | 21.6 | |
| 8.9 | 28 | 1.9 | 50.7 | K | 9.5 | | 10.1 | 2.4 | | 9.4 | | 42.3 | 47.7 | | 8.5 | | 25.6 | 26.6 | K | 8.6 | | 58.7 | 54.6 | |
| 8.6 | | 5.7 | 43.1 | B | 9.4 | | 22.0 | 2.4 | | 9.5 | | 54.9 | 2.9 | | 9.0 | | 39.9 | 6.2 | K | 9.0 | 42 | 6.4 | 55.1 | K |
| 9.3 | | 12.9 | 11.1 | | 8.5 | | 22.6 | 29.3 | Lb | 9.3 | 0 | 7.1 | 37.4 | a | 9.4 | | 53.7 | 38.1 | B | 8.9 | | 20.8 | 26.0 | K |
| 8.9 | | 56.9 | 11.7 | R | 8.8 | | 23.8 | 46.5 | | 7.8 | | 52.3 | 54.6 | Kb | 8.7 | 21 | 3.5 | 44.5 | L | 6.2 | | 21.1 | 2.8 | Kb |
| 9.3 | 29 | 31.1 | 40.1 | | 9.5 | | 49.2 | 45.5 | | 9.4 | | 57.6 | 48.8 | | 9.5 | | 16.5 | 50.4 | | 9.3 | | 48.4 | 41.7 | |
| 8.9 | | 31.5 | 59.9 | Kb | 9.5 | 46 | 5.2 | 44.8 | | 9.4 | | 58.5 | 35.9 | B | 9.0 | | 23.0 | 14.8 | K | 9.5 | | 58.8 | 7.8 | |
| 9.5 | | 33.4 | 15.6 | | 8.5 | | 6.7 | 37.6 | L | 9.5 | 1 | 9.1 | 36.8 | | 9.0 | 22 | 33.7 | 27.8 | B | 9.5 | 43 | 1.4 | 30.9 | |
| 9.2 | | 40.6 | 50.3 | B | 8.9 | | 17.0 | 50.0 | | 7.2 | | 27.6 | 23.8 | K | 8.6 | | 37.8 | 5.8 | K | 9.1 | | 4.4 | 32.7 | B |
| 9.4 | | 44.1 | 5.7 | | 9.2 | | 50.4 | 23.1 | | 9.5 | | 45.9 | 52.9 | a | 9.1 | 23 | 28.4 | 26.6 | a | 9.3 | 45 | 7.0 | 29.2 | |
| 8.0 | 30 | 10.5 | 58.9 | K | 8.8 | | 56.4 | 40.4 | B | 9.2 | 2 | 30.0 | 56.4 | B | 9.2 | 24 | 6.2 | 12.5 | ab | 8.3 | | 13.5 | 8.4 | K |
| 9.4 | | 35.2 | 13.3 | | 9.3 | 46 | 7.8 | 39.8 | a | 7.0 | | 32.4 | 53.0 | Kb | 9.5 | 25 | 59.0 | 1.4 | | 9.0 | | 22.6 | 32.7 | K |
| 9.2 | | 50.4 | 37.5 | | 9.5 | | 45.7 | 4.6 | B | 9.0 | | 47.3 | 14.1 | B | 9.4 | 26 | 9.0 | 33.9 | a | 9.0 | | 27.2 | 48.6 | |
| 9.0 | | 58.9 | 4.6 | B | 9.5 | 47 | 20.3 | 29.4 | | 9.1 | | 48.6 | 19.1 | a | 9.5 | | 10.2 | 31.4 | a | 9.5 | | 41.7 | 51.0 | |
| 9.0 | 31 | 0.0 | 24.3 | Kb | 8.7 | | 40.9 | 35.7 | | 9.5 | 3 | 17.9 | 41.5 | a | 9.5 | | 14.2 | 45.2 | | 9.5 | | 45.6 | 52.1 | |
| 9.5 | | 13.3 | 28.7 | | 9.5 | | 41.0 | 4.0 | | 9.5 | | 36.0 | 15.1 | | 9.5 | | 43.2 | 8.0 | | 9.3 | | 47.0 | 13.4 | |
| 9.5 | | 15.7 | 11.1 | | 9.5 | | 49.6 | 37.9 | | 9.3 | | 39.5 | 31.1 | | 9.3 | 27 | 22.4 | 24.0 | Bb | 9.5 | | 47.9 | 21.6 | |
| 8.2 | | 36.5 | 57.2 | K | 9.3 | 48 | 8.4 | 49.1 | | 8.8 | | 54.0 | 9.9 | | 9.5 | | 41.1 | 37.5 | | 8.3 | 46 | 19.1 | 0.1 | K |
| 9.4 | | 45.8 | 12.5 | a | 9.5 | | 29.0 | 28.7 | | 9.1 | 4 | 6.9 | 31.8 | b | 9.5 | | 44.5 | 23.4 | | 9.5 | 47 | 3.3 | 8.0 | |
| 7.8 | | 53.5 | 57.0 | K | 9.5 | | 54.8 | 52.5 | | 9.1 | | 8.4 | 8.0 | a | 9.5 | 28 | 53.5 | 25.9 | a | 9.5 | | 3.6 | 25.8 | |
| 9.0 | 32 | 13.4 | 29.6 | | 9.3 | 49 | 18.7 | 48.3 | | 9.4 | | 9.2 | 42.4 | B | 8.5 | 29 | 5.2 | 6.0 | K | 8.7 | | 8.7 | 52.3 | L |
| 9.2 | | 17.1 | 6.8 | B | 9.5 | | 25.3 | 27.7 | a | 9.5 | 5 | 8.5 | 49.0 | | 9.5 | | 13.9 | 2.4 | | 7.2 | | 35.6 | 40.6 | K |
| 9.5 | | 21.7 | 15.4 | B | 9.5 | | 35.7 | 52.9 | | 9.3 | | 39.2 | 6.1 | a | 9.5 | | 54.2 | 25.2 | a | 8.5 | | 39.0 | 38.6 | K |
| 8.5 | | 24.7 | 39.9 | K | 9.5 | | 55.9 | 2.7 | | 6.5 | 6 | 3.2 | 39.4 | K | 9.3 | 30 | 11.1 | 31.8 | b | 9.5 | | 43.9 | 54.5 | |
| 9.5 | | 48.5 | 17.4 | | 9.5 | 50 | 10.5 | 58.4 | a | 8.5 | | 37.9 | 31.0 | K | 9.5 | | 14.8 | 12.1 | a | 8.8 | | 44.1 | 26.4 | K |
| 8.7 | 33 | 27.8 | 7.6 | R | 9.2 | | 15.2 | 33.0 | Bb | 9.3 | | 42.0 | 16.8 | B | 9.5 | | 48.9 | 37.0 | | 8.8 | 48 | 54.0 | 4.6 | Kb |
| 9.4 | | 35.0 | 9.5 | | 9.2 | | 23.0 | 14.8 | | 9.4 | | 50.9 | 20.6 | | 9.3 | 31 | 37.8 | 56.9 | b | 9.5 | | 55.9 | 42.4 | |
| 9.5 | | 40.4 | 53.3 | | 9.5 | | 39.3 | 36.7 | | 9.5 | 7 | 10.8 | 30.7 | | 9.5 | | 41.6 | 7.3 | | 9.3 | 49 | 20.0 | 2.1 | a |
| 9.5 | | 46.9 | 45.8 | B | 8.8 | | 39.5 | 55.7 | K | 9.5 | | 13.6 | 26.6 | | 9.5 | | 45.8 | 15.1 | B | 9.5 | 50 | 8.4 | 34.0 | |
| 9.4 | 34 | 15.0 | 52.7 | | 9.3 | 51 | 23.0 | 24.2 | R | 9.1 | | 18.2 | 55.3 | K | 9.5 | 32 | 15.6 | 46.9 | | 9.5 | | 26.8 | 7.4 | |
| 9.0 | | 28.1 | 32.8 | R | 9.3 | | 28.3 | 53.2 | | 7.0 | | 21.4 | 57.6 | K | 9.5 | 33 | 46.1 | 37.0 | | 9.3 | | 29.1 | 48.3 | b |
| 4.5 | | 57.8 | 33.0 | Kb | 8.3 | | 48.2 | 11.9 | K | 8.9 | | 34.4 | 7.4 | | 8.9 | 35 | 8.0 | 1.6 | L | 9.5 | | 42.5 | 41.7 | |
| 9.5 | 35 | 5.7 | 12.1 | | 9.5 | 52 | 7.0 | 31.1 | B | 9.0 | | 35.9 | 40.8 | | 9.4 | | 24.8 | 0.4 | a | 9.3 | | 56.5 | 46.6 | |
| 9.3 | | 37.1 | 11.6 | B | 9.1 | | 8.3 | 44.6 | B | 9.5 | 8 | 48.6 | 33.4 | | 9.0 | | 31.7 | 44.0 | | 8.2 | 51 | 0.1 | 2.4 | K |
| 8.7 | | 46.5 | 57.4 | R | 9.4 | | 21.5 | 44.4 | | 9.3 | 9 | 14.8 | 37.3 | | 9.4 | | 32.2 | 2.2 | B | 9.5 | | 11.2 | 4.8 | |
| 8.9 | 36 | 1.5 | 58.4 | R | 9.0 | | 40.7 | 40.6 | | 9.1 | 10 | 19.5 | 51.8 | b | 9.2 | | 36.8 | 26.9 | a | 9.0 | | 40.8 | 24.3 | K |
| 9.4 | | 35 6 | 34.7 | | 8.6 | 53 | 4.0 | 13.6 | | 9.3 | 11 | 43.2 | 3.1 | | 9.4 | | 47.1 | 1.1 | | 9.4 | | 40.8 | 45.1 | |
| 8.2 | 37 | 0.3 | 50.1 | K | 9.5 | | 44.6 | 1.0 | | 8.5 | 12 | 44.7 | 5.1 | K | 9.1 | 36 | 7.7 | 1.8 | a | 9.3 | | 46.5 | 0.4 | |
| 8.0 | | 7.9 | 30.8 | K | 9.5 | 54 | 43.2 | 38.7 | | 9.4 | | 50.8 | 54.9 | | 9.0 | | 21.9 | 30.0 | | 8.7 | 52 | 12.0 | 15.0 | K |
| 8.6 | | 23.1 | 51.0 | K | 9.5 | | 49.8 | 40.1 | a | 9.5 | 13 | 14.6 | 56.6 | | 8.5 | | 32.0 | 3.8 | L | 9.3 | | 21.4 | 33.3 | |
| 9.2 | 38 | 13.4 | 5.6 | | 9.5 | | 57.3 | 20.4 | | 9.5 | | 30.5 | 43.5 | | 9.4 | | 35.0 | 56.3 | B | 9.5 | | 44.9 | 6.3 | |
| 8.7 | | 52.9 | 37.2 | | 8.2 | 55 | 17.2 | 37.6 | K | 9.1 | | 39.8 | 26.9 | a | 9.4 | | 34.5 | 6.9 | | 9.3 | | 56.3 | 49.1 | Kb |
| 9.5 | | 53.6 | 43.0 | | 9.5 | | 33.0 | 47.0 | | 9.4 | | 41.2 | 37.0 | | 5.2 | | 44.1 | 34.8 | Lb | 9.3 | 53 | 7.7 | 33.2 | |
| 9.3 | 39 | 0.9 | 29.3 | | 9.5 | | 35.1 | 42.2 | B | 8.5 | | 42.8 | 3.3 | K | 8.5 | | 45.1 | 29.7 | L | 9.0 | | 31.0 | 19.5 | K |
| 9.4 | | 34.5 | 40.6 | | 9.1 | | 42.8 | 36.6 | a | 8.9 | 14 | 0.6 | 27.4 | B | 9.5 | | 45.2 | 41.4 | | 9.5 | | 35.7 | 36.8 | |
| 9.0 | | 54.6 | 59.1 | | 8.7 | | 44.2 | 26.6 | L | 8.6 | | 7.7 | 31.4 | | 8.3 | 37 | 17.3 | 58.0 | K | 9.5 | | 49.0 | 14.0 | |
| 9.4 | | 55.3 | 28.4 | B | 9.0 | 56 | 22.0 | 56.2 | | 9.2 | | 15.8 | 42.7 | B | 9.1 | | 18.8 | 8.1 | K | 9.2 | | 53.4 | 25.0 | Kb |
| 9.4 | | 58.5 | 51.7 | | 9.4 | | 36.6 | 20.4 | | 9.3 | | 15.9 | 48.6 | | 9.4 | | 21.5 | 3.7 | B | 9.3 | 54 | 38.7 | 4.9 | |
| 9.4 | | 59.1 | 0.5 | | 8.9 | | 46.5 | 4.7 | | 8.7 | | 32.6 | 53.5 | K | 8.9 | | 36.4 | 2.4 | K | 9.3 | 55 | 24.8 | 14.9 | |
| 9.4 | 40 | 37.9 | 12.4 | | 9.5 | 57 | 8.3 | 24.2 | | 9.5 | | 41.1 | 23.1 | | 8.6 | | 41.7 | 45.5 | K | 9.5 | | 40.3 | 41.3 | |
| 9.5 | 41 | 8.8 | 50.3 | | 8.3 | | 13.0 | 2.6 | | 8.3 | 15 | 16.1 | 37.6 | L | 9.5 | 38 | 15.0 | 47.6 | | 9.3 | | 55.3 | 15.0 | |
| 9.1 | | 17.3 | 56.2 | a | 9.5 | 58 | 3.5 | 12.4 | | 9.5 | 16 | 40.8 | 12.4 | | 9.5 | | 22.9 | 3.7 | B | 9.5 | | 56.8 | 23.3 | |
| 9.5 | | 33.2 | 20.2 | | 9.3 | | 20.5 | 44.2 | a | 7.0 | | 56.9 | 53.3 | K | 9.3 | 39 | 22.0 | 8.0 | | 8.8 | 57 | 12.0 | 55.0 | |
| 9.5 | | 57.6 | 14.5 | | 7.5 | | 30.3 | 14.0 | K | 9.2 | 17 | 10.2 | 0.5 | b | 8.6 | | 23.6 | 11.8 | K | 9.4 | | 31.7 | 45.8 | |
| 8.9 | 42 | 34.5 | 54.8 | | 9.3 | | 32.3 | 31.5 | | 9.5 | 18 | 42.1 | 27.6 | | 9.5 | | 41.3 | 34.0 | a | 9.5 | | 32.0 | 52.8 | |
| 9.5 | | 41.1 | 41.1 | | 9.5 | | 38.6 | 9.0 | | 9.5 | 19 | 9.1 | 41.4 | | 9.3 | 40 | 16.2 | 56.9 | a | 9.5 | | 41.9 | 49.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 28.05 | 3.11 | | 10pr. | | 28.55 | 3.19 | | 10pr. | | 29.05 | 3.25 | | 10pr. | | 29.81 | 3.31 | | 10pr. | | 30.37 | 3.34 | |

| 4701—4702 | | | | | 4703—4704 | | | | | 4705—4706 | | | | | 4707—4708 | | | | | 4709 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23h | | +28° | | | 23h | | +28° | | | 23h | | +28° | | | 23h | | +28° | | | 23h | | +28° | |
| m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | |
| 9.1 | 58 | 5.4 | | 11.6 | Kb | 9.3 | 58 | 15.4 | | 33.8 | | 8.7 | 59 | 11.8 | | 1.5 | K | 9.0 | 59 | 21.6 | | 19.0 | B | 9.5 | 59 | 51.9 | | 40.6 | |
| 9.5 | | 10.3 | | 38.6 | | 7.5 | 59 | 6.5 | | 13.9 | Kb | 9.0 | | 18.0 | | 8.2 | | 8.7 | | 34.1 | | 49.3 | | | | | | | |
| | | | | | | | | | | | | 10pr. | | 30.69 | | 3.34 | | | | | | | | | | | | | |

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# Zone +29°

| 1—40 | | | | | 41—80 | | | | | 81—120 | | | | | 121—160 | | | | | 161—200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +29° | | | 0h | | +29° | | | 0h | | +29° | | | 0h | | +29° | | | 0h—1h | | +29° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 0 | 11.3 | 40.1 | | 9.5 | 11 | 33.6 | 32.8 | | 9.1 | 20 | 40.7 | 38.7 | ab | 9.0 | 34 | 24.7 | 49.9 | | 9.3 | 52 | 15.9 | 52.3 | a |
| 7.7 | | 34.3 | 3.2 | L | 9.1 | 12 | 8.6 | 34.5 | K | 9.5 | 21 | 14.8 | 1.7 | | 9.1 | | 41.0 | 50.9 | a | 9.5 | | 20.4 | 3.2 | |
| 8.8 | | 42.0 | 10.9 | | 9.1 | | 36.3 | 28.0 | Kb | 9.5 | | 15.5 | 9.2 | a | 9.3 | | 41.1 | 29.5 | a | 9.5 | | 36.0 | 22.6 | a |
| 9.5 | | 50.8 | 49.6 | | 9.4 | | 40.5 | 51.7 | | 9.4 | | 39.6 | 38.0 | a | 9.5 | 35 | 1.7 | 8.9 | | 9.5 | 53 | 5.3 | 17.5 | |
| 9.1 | | 57.0 | 3.8 | a | 9.4 | | 42.2 | 59.1 | | 8.6 | | 43.1 | 55.4 | K | 7.7 | | 4.2 | 18.8 | K | 9.0 | | 26.2 | 13.5 | K |
| 9.1 | 1 | 37.3 | 23.0 | | 9.0 | 13 | 22.6 | 15.4 | | 9.0 | | 46.5 | 48.1 | | 9.5 | | 4.5 | 41.8 | | 8.8 | | 29.8 | 50.7 | K |
| 9.5 | | 50.9 | 52.1 | | 9.4 | | 37.3 | 55.2 | a | 9.3 | 22 | 0.0 | 50.5 | a | 8.7 | | 31.4 | 24.8 | K | 9.3 | | 41.6 | 31.5 | R |
| 9.0 | 2 | 27.5 | 25.1 | | 9.5 | | 47.4 | 28.3 | | 8.5 | | 4.6 | 20.7 | K | 9.2 | 36 | 41.4 | 17.7 | ab | 8.3 | 54 | 19.9 | 22.5 | K |
| 9.5 | | 45.4 | 44.2 | | 9.5 | 14 | 14.5 | 59.8 | a | 9.5 | | 14.5 | 59.0 | | 9.5 | | 46.4 | 2.0 | | 9.4 | | 42.5 | 52.3 | |
| 8.0 | 3 | 20.8 | 52.9 | K | 9.5 | | 17.3 | 54.7 | | 9.0 | | 54.7 | 23.8 | K | 8.8 | 37 | 2.2 | 48.5 | | 7.8 | 55 | 0.1 | 12.3 | K |
| 9.2 | | 28.8 | 16.3 | | 9.5 | | 18.3 | 46.1 | B | 9.5 | 23 | 2.9 | 4.0 | | 9.5 | | 51.1 | 46.8 | | 9.2 | | 0.6 | 55.3 | aB |
| 9.0 | | 29.1 | 3.6 | | 9.5 | | 47.6 | 7.1 | | 8.8 | | 5.1 | 14.2 | K | 8.5 | | 53.1 | 33.2 | Kb | 9.5 | | 1.7 | 15.4 | |
| 9.5 | | 47.2 | 17.3 | | 9.1 | | 49.4 | 0.5 | K | 9.5 | 24 | 14.4 | 17.1 | | 9.3 | 38 | 34.3 | 5.4 | a | 9.5 | 56 | 15.6 | 33.2 | |
| 8.4 | | 53.3 | 39.0 | K | 9.5 | 15 | 42.0 | 54.1 | | 8.7 | | 15.3 | 43.0 | K | 9.5 | 39 | 15.6 | 38.3 | | 9.5 | 57 | 16.4 | 14.0 | |
| 9.1 | | 58.4 | 0.4 | a | 9.4 | | 44.6 | 35.3 | | 9.4 | | 23.0 | 44.2 | | 9.5 | | 18.9 | 30.8 | B | 8.8 | 58 | 15.1 | 8.4 | Kb |
| 8.8 | 4 | 50.2 | 10.6 | K | 9.5 | 16 | 2.8 | 47.2 | | 9.3 | | 30.1 | 25.1 | a | 9.3 | 40 | 25.7 | 48.1 | B | 8.9 | 59 | 7.3 | 27.7 | R |
| 9.5 | 5 | 6.3 | 7.1 | | 9.5 | | 14.3 | 23.1 | a | 9.2 | 25 | 10.6 | 9.5 | a | 8.6 | | 27.4 | 51.7 | Kb | 9.5 | | 48.1 | 50.8 | |
| 9.5 | | 29.6 | 45.5 | | 9.5 | | 23.6 | 50.8 | | 8.9 | | 15.3 | 17.9 | | 9.1 | 41 | 40.0 | 57.1 | ab | 9.5 | 0 | 3.3 | 53.9 | |
| 9.5 | | 37.0 | 51.5 | | 9.5 | | 55.2 | 37.6 | | 9.5 | 26 | 50.1 | 27.0 | a | 8.8 | | 56.5 | 38.5 | K | 8.5 | | 22.1 | 39.7 | K |
| 9.4 | | 42.5 | 27.9 | | 9.0 | 17 | 6.5 | 52.6 | | 9.5 | 27 | 35.6 | 55.0 | | 9.3 | | 57.9 | 41.0 | B | 9.5 | | 24.6 | 0.2 | |
| 9.3 | | 43.3 | 41.8 | K | 9.4 | | 10.3 | 26.2 | | 8.5 | | 36.6 | 25.5 | K | 7.6 | 42 | 2.9 | 38.8 | K | 7.2 | | 52.0 | 39.3 | K |
| 9.5 | | 54.1 | 49.0 | | 8.3 | | 29.2 | 2.5 | L | 9.1 | | 43.6 | 19.3 | a | 9.3 | | 48.5 | 10.8 | | 9.3 | 1 | 4.6 | 41.1 | |
| 9.5 | 6 | 17.0 | 12.3 | | 9.0 | | 36.0 | 12.7 | | 9.0 | | 55.7 | 50.6 | Kb | 9.5 | 43 | 13.0 | 21.8 | a | 8.2 | | 22.0 | 28.1 | K |
| 9.5 | | 19.8 | 14.7 | | 8.5 | | 41.2 | 17.5 | K | 9.5 | 28 | 11.1 | 34.2 | | 9.2 | | 36.4 | 22.4 | Bb | 8.4 | | 27.1 | 40.8 | K |
| 9.3 | | 28.5 | 37.6 | Kb | 9.4 | | 42.1 | 47.0 | | 8.3 | | 19.1 | 12.6 | K | 8.2 | 44 | 51.9 | 49.1 | Lb | 8.7 | 2 | 23.9 | 5.7 | K |
| 9.4 | 7 | 9.2 | 40.3 | | 9.1 | 18 | 0.6 | 16.1 | K | 9.0 | | 36.0 | 48.0 | K | 9.5 | 45 | 9.2 | 40.4 | | 9.5 | | 36.0 | 39.4 | |
| 8.9 | | 15.4 | 29.0 | | 8.7 | | 3.9 | 10.2 | K | 8.3 | | 50.1 | 2.8 | K | 7.5 | | 18.8 | 32.8 | K | 9.0 | | 46.1 | 2.0 | |
| 8.7 | | 48.2 | 44.0 | K | 9.5 | | 30.2 | 19.9 | a | 9.5 | 29 | 33.8 | 43.9 | a | 9.5 | 46 | 2.9 | 41.9 | | 9.4 | | 58.6 | 27.1 | |
| 9.2 | 8 | 21.6 | 48.0 | K | 9.0 | | 48.7 | 2.2 | R | 9.3 | 30 | 5.5 | 34.8 | | 9.2 | | 54.1 | 44.9 | B | 9.5 | 3 | 38.2 | 42.1 | |
| 9.5 | | 24.5 | 57.4 | | 9.5 | | 49.1 | 5.9 | | 9.4 | | 6.6 | 8.1 | | 7.8 | 47 | 32.4 | 53.1 | K | 4.2 | | 41.0 | 20.5 | K |
| 8.6 | | 39.1 | 43.7 | K | 9.5 | 19 | 0.9 | 23.7 | a | 9.0 | | 8.5 | 40.9 | | 9.3 | | 55.9 | 1.5 | | 9.5 | | 49.6 | 37.3 | |
| 9.0 | | 49.3 | 39.8 | K | 9.5 | | 7.5 | 31.0 | a | 9.5 | | 26.8 | 11.0 | | 9.4 | 48 | 1.2 | 18.0 | | 9.3 | | 54.3 | 12.7 | B |
| 9.0 | | 49.6 | 2.7 | K | 9.5 | | 10.6 | 47.6 | a | 9.5 | | 50.9 | 5.0 | | 9.0 | | 22.6 | 57.0 | K | 9.4 | | 58.4 | 20.3 | |
| 9.5 | 9 | 16.0 | 15.2 | | 9.5 | | 12.5 | 40.0 | a | 9.4 | 31 | 45.7 | 7.4 | | 8.9 | | 25.5 | 8.3 | | 9.3 | 4 | 49.1 | 27.5 | |
| 8.9 | | 23.1 | 13.4 | K | 8.8 | | 41.0 | 52.8 | | 9.5 | 32 | 26.6 | 8.5 | | 8.8 | | 35.9 | 28.0 | Kb | 6.5 | 5 | 1.1 | 19.1 | Kb |
| 9.5 | | 41.5 | 30.7 | | 9.1 | | 48.1 | 17.3 | a | 9.4 | | 27.9 | 49.9 | | 9.2 | | 41.8 | 46.0 | | 9.5 | | 22.6 | 3.3 | |
| 8.4 | 10 | 12.0 | 20.6 | K | 9.2 | 20 | 25.7 | 21.0 | R | 9.3 | | 41.5 | 2.0 | | 9.5 | | 57.3 | 29.5 | B | 9.5 | | 28.3 | 33.2 | |
| 8.9 | | 42.1 | 48.7 | | 9.2 | | 26.1 | 41.1 | a | 9.5 | | 50.1 | 16.8 | | 8.3 | 50 | 7.9 | 31.8 | L | 8.5 | | 35.6 | 42.6 | L |
| 8.0 | | 50.0 | 34.5 | K | 9.3 | | 28.8 | 56.3 | | 8.5 | | 56.6 | 13.1 | K | 9.5 | | 38.9 | 48.3 | | 8.8 | 6 | 13.4 | 12.6 | K |
| 9.4 | 11 | 31.5 | 8.9 | B | 9.5 | | 33.5 | 27.9 | | 9.5 | 33 | 18.1 | 59.4 | B | 9.5 | 51 | 48.9 | 12.3 | | 7.5 | | 21.4 | 47.4 | K |
| 10pr. | | 30.91 | 3.34 | | 10pr. | | 31.28 | 3.33 | | 10pr. | | 31.63 | 3.31 | | 10pr. | | 32.10 | 3.28 | | 10pr. | | 32.70 | 3.23 | |

201—260

| m | 1ʰ | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 6 38.2 | 9.9 | |
| 9.5 | 49.3 | 13.9 | |
| 9.0 | 7 2.6 | 28.1 | B |
| 9.5 | 7.0 | 9.0 | |
| 9.1 | 21.4 | 40.3 | a |
| 8.9 | 23.1 | 51.8 | K |
| 9.4 | 51.8 | 22.7 | |
| 9.5 | 8 40.7 | 50.5 | |
| 7.8 | 9 4.7 | 13.5 | K |
| 9.2 | 10 14.3 | 3.0 | a |
| 9.4 | 19.5 | 7.7 | |
| 8.9 | 40.4 | 3.5 | B |
| 9.2 | 48.8 | 24.0 | K |
| 9.4 | 49.7 | 6.8 | B |
| 9.5 | 11 0.2 | 6.0 | a |
| 9.4 | 18.3 | 40.6 | |
| 9.5 | 12 7.7 | 31.3 | |
| 9.3 | 13 4.2 | 48.8 | |
| 9.0 | 13.5 | 31.7 | |
| 9.2 | 25.4 | 53.4 | b |
| 9.5 | 14 14.0 | 6.6 | |
| 9.0 | 21.4 | 8.5 | K |
| 9.4 | 41.2 | 25.6 | a |
| 9.2 | 15 17.2 | 24.4 | ab |
| 9.2 | 40.9 | 27.2 | a |
| 9.5 | 48.5 | 48.2 | |
| 9.4 | 57.3 | 58.0 | |
| 9.5 | 57.3 | 48.9 | |
| 8.6 | 16 23.9 | 4.9 | |
| 9.5 | 34.4 | 44.3 | |
| 9.5 | 17 22.3 | 34.0 | |
| 9.5 | 22.6 | 55.7 | |
| 9.4 | 40.6 | 16.4 | K |
| 9.5 | 40.9 | 59.1 | |
| 9.5 | 18 3.0 | 8.3 | |
| 9.5 | 38.4 | 13.5 | |
| 9.1 | 39.8 | 0.2 | K |
| 9.4 | 58.5 | 51.3 | |
| 7.5 | 19 15.3 | 1.6 | K |
| 8.3 | 23.6 | 46.7 | K |
| 9.5 | 40.0 | 34.4 | |
| 9.5 | 20 4.8 | 28.9 | |
| 7.5 | 12.4 | 47.8 | K |
| 9.5 | 32.6 | 5.4 | |
| 9.3 | 49.0 | 33.6 | B |
| 9.5 | 21 0.2 | 37.3 | |
| 9.5 | 8.3 | 20.0 | |
| 9.5 | 13.4 | 16.8 | a |
| 9.0 | 16.9 | 36.8 | |
| 9.5 | 32.1 | 39.5 | |
| 9.1 | 48.8 | 30.7 | ab |
| 9.2 | 22 0.1 | 22.4 | a |
| 9.5 | 37.9 | 48.9 | a |
| 9.5 | 23 12.4 | 25.8 | |
| 9.4 | 32.8 | 57.9 | |
| 8.3 | 37.6 | 52.5 | K |
| 9.5 | 24 27.9 | 2.7 | |
| 8.5 | 25 9.0 | 8.2 | K |
| 9.1 | 28.9 | 14.2 | K |
| 8.0 | 30.1 | 39.6 | Kb |
| | + | + | |
| 10pr. | 33.22 | 3.16 | |

261—320

| m | 1ʰ | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| neb | 25 42.0 | 54.0 | |
| 9.5 | 59.3 | 3.8 | |
| 9.5 | 59.4 | 25.5 | |
| 9.5 | 26 53.9 | 33.7 | |
| 9.2 | 27 7.3 | 55.3 | K |
| 9.5 | 28 4.4 | 32.2 | B |
| 9.5 | 24.2 | 4.8 | |
| 9.3 | 25.2 | 54.4 | a |
| 9.5 | 52.5 | 1.3 | a |
| 9.0 | 29 6.5 | 56.2 | Kb |
| 9.1 | 25.9 | 48.5 | a |
| 9.5 | 48.8 | 8.3 | |
| 9.3 | 51.4 | 14.9 | |
| 9.5 | 55.5 | 13.5 | |
| 9.4 | 30 30.5 | 34.1 | |
| 9.5 | 53.0 | 6.7 | |
| 9.3 | 56.8 | 21.6 | |
| 9.3 | 58.9 | 50.4 | |
| 8.3 | 31 29.4 | 21.3 | Kb |
| 9.0 | 42.4 | 38.9 | K |
| 8.8 | 44.3 | 47.8 | L |
| 9.5 | 32 6.1 | 4.3 | |
| 9.5 | 10.2 | 53.5 | |
| 9.4 | 20.2 | 10.3 | B |
| 9.5 | 33 26.4 | 47.2 | |
| 6.0 | 27.0 | 19.3 | Kb |
| 9.5 | 52.5 | 13.5 | |
| 8.3 | 56.3 | 21.0 | K |
| 9.5 | 35 1.9 | 38.9 | |
| 9.4 | 56.8 | 44.4 | |
| 9.5 | 36 27.5 | 53.7 | |
| 9.4 | 45.9 | 36.2 | |
| 9.5 | 54.0 | 5.6 | |
| 9.5 | 37 12.4 | 43.8 | |
| 9.2 | 25.9 | 13.6 | Bb |
| 9.5 | 39.8 | 49.4 | |
| 9.4 | 41.2 | 56.5 | |
| 9.5 | 38 18.5 | 9.8 | |
| 9.5 | 22.6 | 37.2 | |
| 8.8 | 24.9 | 28.7 | |
| 9.4 | 36.7 | 59.0 | |
| 9.2 | 46.8 | 55.5 | Kb |
| 9.5 | 39 12.4 | 10.0 | |
| 9.5 | 52.3 | 12.1 | |
| 9.3 | 40 27.8 | 32.0 | B |
| 9.5 | 30.9 | 57.4 | |
| 8.8 | 43.3 | 48.1 | K |
| 9.4 | 41 49.4 | 21.0 | |
| 8.5 | 42 19.9 | 45.8 | L |
| 9.5 | 23.5 | 56.9 | |
| 9.5 | 37.4 | 34.1 | a |
| 9.5 | 42.0 | 23.2 | |
| 9.3 | 49.6 | 34.8 | K |
| 9.5 | 52.5 | 11.1 | |
| 9.5 | 43 1.7 | 6.9 | |
| 9.0 | 24.4 | 38.5 | Kb |
| 9.0 | 45 1.6 | 19.0 | K |
| 9.1 | 6.4 | 45.2 | a |
| 9.4 | 24.8 | 0.7 | |
| 8.9 | 46 33.4 | 34.6 | |
| | + | + | |
| 10pr. | 33.81 | 3.05 | |

321—380

| m | 1ʰ—2ʰ | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 46 36.5 | 6.4 | |
| 9.2 | 44.3 | 2.8 | K |
| 9.3 | 57.5 | 29.5 | K |
| 7.5 | 47 30.6 | 39.0 | K |
| 9.3 | 37.2 | 58.5 | |
| 8.3 | 39.1 | 0.1 | K |
| 9.1 | 47.6 | 8.6 | K |
| 9.4 | 48 1.4 | 50.8 | |
| 9.0 | 5.3 | 44.2 | B |
| 8.2 | 10.6 | 44.6 | K |
| 9.3 | 33.4 | 56.4 | |
| 9.5 | 46.2 | 29.9 | |
| 9.5 | 50.7 | 52.0 | a |
| 9.5 | 49 13.5 | 21.9 | |
| 9.5 | 23.9 | 31.9 | |
| 9.5 | 25.2 | 52.3 | a |
| 9.5 | 41.7 | 51.9 | |
| 9.4 | 44.8 | 58.7 | |
| 9.0 | 58.9 | 8.4 | |
| 8.8 | 50 11.0 | 1.6 | |
| 9.5 | 32.1 | 4.8 | |
| 9.5 | 49.0 | 11.3 | |
| 9.0 | 55.6 | 16.1 | |
| 9.4 | 51 6.4 | 3.7 | |
| 9.5 | 37.7 | 43.3 | |
| 8.3 | 52 24.1 | 13.6 | |
| 9.4 | 31.6 | 18.4 | |
| 9.5 | 53 44.0 | 10.8 | |
| 8.1 | 54 5.1 | 4.2 | K |
| 8.5 | 6.9 | 35.6 | L |
| 9.5 | 36.0 | 43.3 | |
| 8.6 | 50.5 | 6.3 | K |
| 9.5 | 55 25.9 | 21.2 | |
| 9.4 | 33.0 | 14.1 | B |
| 7.9 | 39.0 | 12.3 | Kb |
| 9.5 | 56 49.7 | 4.5 | |
| 9.1 | 57 10.2 | 38.2 | ab |
| 9.0 | 58 8.9 | 43.9 | K |
| 9.3 | 32.8 | 11.6 | |
| 9.5 | 48.9 | 45.3 | |
| 7.8 | 59 15.3 | 4.0 | K |
| 9.5 | 0 45.9 | 6.5 | |
| 9.5 | 53.6 | 47.1 | |
| 9.5 | 1 28.9 | 22.3 | |
| 9.0 | 40.6 | 42.6 | |
| 8.7 | 57.1 | 8.1 | K |
| 9.3 | 58.5 | 39.2 | |
| 8.3 | 2 23.6 | 23.6 | L |
| 8.1 | 44.5 | 13.6 | K |
| 8.1 | 44.7 | 26.7 | K |
| 5.0 | 3 58.6 | 38.1 | Kb |
| 9.3 | 4 4.4 | 49.8 | B |
| 9.2 | 32.6 | 19.8 | a |
| 7.8 | 43.2 | 52.6 | Lb |
| 9.5 | 6 13.2 | 53.2 | aB |
| 7.3 | 17.2 | 43.6 | K |
| 9.5 | 45.7 | 51.5 | |
| 9.4 | 7 2.0 | 5.6 | B |
| 9.5 | 34.2 | 36.7 | |
| 9.0 | 48.9 | 15.4 | |
| | + | + | |
| 10pr. | 34.34 | 2.93 | |

381—440

| m | 2ʰ | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 7 51.2 | 57.3 | |
| 8.5 | 8 2.4 | 7.2 | K |
| 9.5 | 2.9 | 47.5 | |
| 9.0 | 13.8 | 6.2 | K |
| 9.0 | 21.4 | 17.1 | Kb |
| 9.3 | 9 40.3 | 33.3 | B |
| 7.5 | 41.6 | 10.9 | K |
| 8.5 | 10 46.0 | 22.8 | |
| 9.5 | 11 3.0 | 45.8 | |
| 9.5 | 10.6 | 35.2 | |
| 9.4 | 14.9 | 51.0 | aB |
| 6.5 | 34.5 | 31.7 | K |
| 8.3 | 45.4 | 8.4 | K |
| 9.2 | 46.3 | 35.7 | B |
| 9.5 | 12 32.6 | 22.6 | |
| 8.6 | 39.3 | 15.2 | K |
| 9.3 | 42.4 | 35.7 | |
| 9.5 | 13 34.8 | 17.3 | |
| 8.5 | 44.5 | 39.9 | B |
| 8.7 | 44.7 | 37.6 | K |
| 7.9 | 55.1 | 39.5 | B |
| 8.5 | 14 55.2 | 30.7 | K |
| 8.9 | 59.3 | 27.9 | K |
| 9.2 | 15 41.7 | 19.1 | |
| 9.3 | 16 20.4 | 6.5 | B |
| 8.4 | 21.0 | 59.7 | K |
| 9.5 | 35.9 | 52.7 | |
| 9.5 | 49.8 | 1.2 | |
| 9.5 | 58.3 | 59.2 | |
| 7.8 | 17 5.4 | 14.0 | K |
| 9.5 | 16.3 | 24.6 | |
| 8.7 | 43.0 | 15.5 | Kb |
| 9.5 | 55.9 | 28.9 | |
| 9.5 | 18 13.4 | 36.3 | |
| 9.5 | 53.3 | 18.8 | |
| 9.5 | 19 10.6 | 58.2 | |
| 5.5 | 42.8 | 1.1 | Kb |
| 7.7 | 44.2 | 13.7 | S |
| 8.6 | 20 5.5 | 4.9 | K |
| 9.5 | 9.9 | 46.3 | a |
| 8.1 | 17.0 | 1.5 | K |
| 9.5 | 17.2 | 49.3 | B |
| 7.5 | 22.3 | 16.9 | S |
| 9.1 | 22.4 | 41.3 | ab |
| 9.5 | 21 5.1 | 34.8 | |
| 9.5 | 56.3 | 55.9 | |
| 9.5 | 22 27.1 | 48.7 | |
| 9.3 | 46.9 | 56.1 | |
| 9.2 | 47.3 | 16.4 | b |
| 9.5 | 23 18.0 | 47.0 | |
| 9.4 | 37.0 | 56.7 | |
| *9.5 | 49.0 | 52.5 | |
| *9.2 | 58.2 | 58.3 | b |
| 7.7 | 24 38.1 | 19.3 | K |
| 9.4 | 25 31.3 | 21.6 | |
| 9.4 | 32.7 | 26.1 | |
| 9.5 | 43.6 | 12.3 | |
| 7.9 | 27 29.6 | 14.3 | B |
| 9.5 | 43.0 | 5.3 | |
| 9.5 | 48.2 | 18.5 | |
| | + | + | |
| 10pr. | 34.98 | 2.76 | / |

441—500

| m | 2ʰ | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.2 | 28 16.2 | 39.0 | a |
| 8.8 | 19.2 | 31.6 | K |
| 9.1 | 33.2 | 59.5 | |
| 7.8 | 35.6 | 46.6 | K |
| 9.0 | 29 2.5 | 7.2 | |
| 9.5 | 31.6 | 32.1 | |
| 9.5 | 37.5 | 8.8 | |
| 8.7 | 30 13.2 | 54.6 | Kb |
| 9.5 | 44.9 | 11.8 | |
| 9.2 | 31 0.9 | 19.7 | |
| 9.5 | 3.0 | 3.2 | |
| 9.2 | 42.7 | 45.4 | b |
| 7.5 | 46.1 | 9.3 | L |
| 9.2 | 50.6 | 7.7 | B |
| 9.5 | 58.2 | 44.3 | |
| 9.5 | 33 22.3 | 30.0 | |
| 9.5 | 34 18.7 | 45.2 | |
| 9.5 | 40.5 | 8.2 | |
| 9.5 | 42.8 | 52.1 | |
| 9.5 | 35 30.2 | 55.5 | |
| 8.6 | 36 59.8 | 43.4 | K |
| 9.2 | 37 10.5 | 50.7 | aB |
| 9.3 | 16.0 | 47.5 | B |
| 9.5 | 58.5 | 19.1 | |
| 8.7 | 59.0 | 8.2 | K |
| 9.4 | 38 15.8 | 37.3 | |
| 9.5 | 15.9 | 14.7 | |
| 8.8 | 22.6 | 27.5 | K |
| 9.5 | 35.5 | 10.1 | |
| 9.2 | 47.8 | 5.7 | K |
| 7.4 | 39 3.2 | 4.9 | K |
| 9.5 | 31.3 | 52.3 | |
| 8.3 | 38.6 | 44.5 | K |
| 9.5 | 40 11.1 | 59.2 | |
| 9.5 | 26.4 | 20.5 | |
| 9.5 | 31.5 | 5.1 | |
| 9.4 | 50.3 | 26.6 | |
| 9.4 | 54.7 | 52.0 | |
| 9.2 | 41 0.3 | 58.5 | K |
| 9.2 | 13.1 | 23.6 | a |
| 7.1 | 21.0 | 54.9 | K |
| 9.3 | 47.5 | 10.7 | K |
| 9.5 | 55.7 | 3.0 | |
| 7.7 | 42 25.3 | 41.1 | K |
| 7.7 | 26.7 | 55.4 | K |
| 9.3 | 32.8 | 14.1 | |
| 9.3 | 55.4 | 46.7 | |
| 8.3 | 43 24.9 | 35.8 | K |
| 8.0 | 27.8 | 56.0 | K |
| 9.5 | 33.4 | 20.5 | |
| 8.8 | 35.1 | 11.6 | |
| 8.2 | 40.7 | 35.1 | K |
| 8.7 | 44 14.9 | 33.2 | K |
| 8.9 | 37.6 | 14.4 | |
| 9.0 | 45 21.3 | 30.7 | |
| 9.5 | 41.6 | 13.5 | |
| 9.5 | 46 3.9 | 13.7 | |
| 9.5 | 13.8 | 55.3 | |
| 9.5 | 42.9 | 11.0 | |
| 8.6 | 55.6 | 53.2 | |
| | + | + | |
| 10pr. | 35.55 | 2.57 | |

432 a
8.5 | 23 53.7 | 15.1

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵘ—3ᵘ | | +29° | | | 3ᵘ | | +29° | | | 3ᵘ—4ᵘ | | +29° | | | 4ᵘ | | +29° | | | 4ᵘ | | +29° | |
| m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | | m | | ′ | ″ | ′ | |
| 9.1 | 48 | 17.1 | | 52.8 | Kb | 9.5 | 18 | 31.8 | | 16.4 | | 9.0 | 39 | 22.3 | | 29.5 | K | 9.5 | 6 | 57.0 | | 0.4 | | 6.5 | 39 | 13.3 | | 31.5 | K |
| 8.7 | | 54.5 | | 7.6 | K | 9.4 | | 50.8 | | 58.3 | | 9.5 | | 49.8 | | 57.7 | | 7.8 | | 58.5 | | 40.0 | K | 7.0 | 40 | 7.3 | | 18.6 | L |
| 9.0 | 49 | 4.2 | | 4.6 | K | 9.4 | 19 | 7.1 | | 11.5 | B | 9.3 | | 50.6 | | 37.7 | | 9.0 | 7 | 9.2 | | 38.9 | K | 9.0 | | 15.7 | | 38.4 | |
| 9.2 | | 9.7 | | 11.3 | L | 9.1 | | 26.8 | | 22.7 | b | 9.4 | | 54.5 | | 43.5 | | 9.5 | | 15.1 | | 0.4 | | 9.3 | | 30.0 | | 9.8 | |
| 9.5 | 50 | 34.3 | | 57.4 | B | 9.1 | | 29.8 | | 16.5 | K | 9.2 | 40 | 18.9 | | 4.0 | | 9.5 | | 57.3 | | 46.8 | | 9.5 | 41 | 12.3 | | 8.8 | |
| 9.5 | | 42.4 | | 29.7 | | 6.8 | | 53.8 | | 52.2 | L | 9.2 | | 34.3 | | 32.2 | | 9.4 | 8 | 3.3 | | 6.4 | | 9.5 | | 28.3 | | 31.2 | |
| 9.2 | | 51.3 | | 57.0 | B | 9.4 | 21 | 1.5 | | 51.8 | | 9.5 | | 39.4 | | 7.8 | | 9.5 | | 44.5 | | 32.0 | | 9.5 | | 53.8 | | 25.0 | |
| 8.6 | 51 | 43.4 | | 58.2 | K | 7.5 | | 25.0 | | 32.2 | K | 9.5 | | 45.9 | | 4.2 | | 9.1 | 9 | 7.9 | | 58.5 | b | 9.2 | 42 | 16.7 | | 34.0 | Kb |
| 9.5 | 52 | 39.0 | | 6.5 | | 9.4 | | 26.8 | | 25.4 | | 8.8 | | 49.8 | | 24.3 | K | 9.1 | | 12.0 | | 27.2 | b | 9.5 | 43 | 56.9 | | 32.0 | |
| 9.4 | | 53.8 | | 3.7 | | 8.5 | 22 | 8.3 | | 7.2 | K | 9.4 | | 57.8 | | 39.6 | B | 9.1 | | 51.5 | | 38.9 | | 9.0 | 44 | 11.5 | | 17.7 | |
| 9.5 | 53 | 22.9 | | 10.9 | | 7.8 | 23 | 16.3 | | 30.1 | L | 9.5 | 41 | 0.2 | | 32.9 | | 9.4 | 10 | 14.4 | | 11.0 | | 9.5 | | 22.6 | | 31.0 | |
| 9.0 | | 28.1 | | 53.8 | K | 8.3 | | 20.6 | | 1.9 | K | 7.8 | | 13.8 | | 11.3 | K | 9.1 | | 14.5 | | 38.9 | | 9.4 | | 28.0 | | 36.1 | |
| 9.4 | | 42.9 | | 7.1 | | 9.5 | | 41.8 | | 0.9 | | 8.5 | | 34.8 | | 17.8 | K | 9.3 | | 18.0 | | 46.1 | | 9.5 | | 35.7 | | 28.5 | |
| 9.2 | 54 | 6.0 | | 16.3 | Bb | 9.5 | 25 | 14.3 | | 52.8 | | 9.3 | | 41.0 | | 58.9 | | 9.4 | | 48.8 | | 59.9 | | 8.8 | | 48.2 | | 5.9 | K |
| 9.5 | | 12.8 | | 18.8 | | 9.5 | | 39.9 | | 3.8 | | 8.1 | 42 | 1.8 | | 13.7 | K | 9.5 | 11 | 16.9 | | 56.8 | | 8.9 | 46 | 8.8 | | 15.4 | |
| 9.3 | | 28.2 | | 4.4 | | 9.5 | 26 | 5.8 | | 25.7 | | 8.2 | 43 | 11.6 | | 9.9 | | 9.5 | | 21.4 | | 51.2 | | 9.1 | | 11.9 | | 18.5 | ab |
| 8.4 | | 57.6 | | 55.9 | K | 9.1 | | 22.3 | | 27.4 | ab | 9.4 | | 18.8 | | 6.2 | | 9.4 | | 24.6 | | 11.7 | | 9.5 | | 31.3 | | 6.0 | |
| 9.0 | 56 | 23.1 | | 37.0 | | 9.5 | 27 | 0.8 | | 55.7 | | 9.5 | | 34.9 | | 21.8 | | 9.4 | 12 | 10.3 | | 55.0 | | 9.4 | | 39.2 | | 53.0 | |
| 8.6 | | 57.5 | | 56.9 | K | 7.4 | | 17.3 | | 30.8 | K | 9.3 | | 38.9 | | 4.7 | B | 9.2 | | 36.5 | | 6.9 | | 9.5 | | 54.6 | | 8.0 | |
| 9.5 | 57 | 6.0 | | 8.0 | | 9.3 | | 35.3 | | 23.6 | | 9.5 | 44 | 14.1 | | 45.3 | ab | 8.2 | | 39.9 | | 51.3 | | 9.0 | 47 | 16.3 | | 44.6 | |
| 9.5 | | 53.8 | | 1.4 | | 9.1 | 28 | 18.3 | | 25.3 | b | 9.5 | | 36.3 | | 46.3 | | 7.6 | | 51.3 | | 18.1 | B | 9.5 | | 36.2 | | 24.5 | |
| 7.5 | 58 | 6.6 | | 58.4 | K | 9.5 | 29 | 0.1 | | 57.0 | | 9.5 | 45 | 36.5 | | 8.9 | a | 9.2 | 13 | 15.5 | | 29.3 | Bb | 9.4 | | 42.8 | | 14.7 | |
| 9.5 | | 7.0 | | 43.5 | | 9.5 | | 41 8 | | 55.3 | | 9.5 | | 47.8 | | 28.8 | | 9.5 | | 25.8 | | 41.4 | | 9.5 | | 43.0 | | 17.5 | |
| 9.2 | 59 | 0.6 | | 53.3 | | 9.5 | 30 | 5.3 | | 11.2 | | 9.5 | 46 | 53.1 | | 2.8 | | 9.5 | 14 | 15.4 | | 5.5 | | 9.5 | | 51.5 | | 3.3 | |
| 9.3 | | 12.5 | | 47.7 | | 9.4 | | 21.3 | | 35.3 | | 9.5 | 47 | 12.8 | | 5.5 | | 9.2 | 15 | 8.3 | | 25.4 | B | 9.3 | 48 | 0.4 | | 59.2 | a |
| 9.5 | | 16.8 | | 19.4 | | 9.1 | | 27.8 | | 40.2 | b | 9.5 | | 38.7 | | 20.3 | | 8.8 | | 19.0 | | 47.1 | Kb | 9.2 | | 13.1 | | 56.1 | K |
| 9.5 | | 29.4 | | 55.7 | aB | 9.4 | | 31.8 | | 21.6 | | 9.0 | | 52.9 | | 6.3 | K | 9.3 | | 36.8 | | 53.4 | | 9.1 | | 21.3 | | 27.7 | |
| 9.5 | 0 | 6.9 | | 38.7 | a | 9.5 | | 50.5 | | 53.3 | | 9.5 | 48 | 21.5 | | 0.4 | | 9.4 | 16 | 5.3 | | 21.4 | | 9.2 | | 31.0 | | 40.1 | |
| 9.0 | | 58.5 | | 40.8 | K | 9.0 | 31 | 27.0 | | 4.4 | K | 9.1 | | 28.7 | | 34.3 | K | 8.7 | | 7.2 | | 27.5 | K | 9.2 | | 33.0 | | 59.9 | |
| 9.3 | 1 | 19.0 | | 4.6 | K | 8.9 | | 28.8 | | 28.8 | L | 9.4 | | 52.3 | | 7.9 | | 9.2 | | 8.7 | | 2.8 | | 8.8 | | 47.7 | | 20.1 | |
| 8.8 | | 32.6 | | 6.4 | K | 9.5 | | 34.2 | | 54.2 | | 9.1 | 49 | 31.3 | | 36.0 | | 8.7 | | 33.3 | | 35.4 | K | 7.7 | | 49.5 | | 54.0 | Kb |
| 9.5 | 2 | 6.9 | | 2.8 | | 8.6 | 32 | 23.9 | | 1.4 | K | 9.5 | | 34.2 | | 15.7 | | 8.0 | | 33.8 | | 11.2 | K | 9.5 | 49 | 4.6 | | 47.7 | |
| 9.4 | | 31.5 | | 10.5 | | 9.3 | | 36.0 | | 20.5 | B | 9.5 | | 34.5 | | 4.9 | B | 9.4 | 17 | 5.5 | | 5.6 | | 8.3 | | 7.0 | | 36.0 | L |
| 8.0 | 3 | 11.7 | | 16.8 | K | 9.2 | 33 | 32.3 | | 17.7 | B | 9.2 | | 56.7 | | 22.5 | | 9.5 | | 23.0 | | 7.3 | | 7.0 | | 35.3 | | 36.7 | L |
| 9.0 | | 28.9 | | 16.0 | K | 9.3 | | 49.3 | | 48.3 | B | 9.4 | 50 | 0.8 | | 36.0 | | 9.0 | 18 | 38.3 | | 54.2 | Kb | 9.5 | | 43.7 | | 11.5 | |
| 9.5 | 4 | 1.9 | | 30.1 | | 9.5 | 34 | 1.6 | | 52.8 | | 9.1 | | 11.3 | | 24.0 | | 8.3 | 22 | 29.1 | | 35.4 | K | 9.5 | | 46.9 | | 54.2 | |
| 9.3 | | 23.0 | | 52.5 | | 8.5 | | 4.8 | | 44.2 | K | 9.5 | | 17.8 | | 45.3 | | 9.1 | 23 | 15.0 | | 48.8 | | 9.5 | 50 | 31.5 | | 55.3 | |
| 9.3 | 7 | 7.1 | | 57.7 | | 9.5 | | 28.3 | | 29.5 | | 9.1 | | 19.7 | | 37.0 | b | 9.5 | | 58.2 | | 27.7 | | 9.0 | | 36.3 | | 21.7 | |
| 9.5 | | 43.2 | | 28.7 | | 9.1 | | 33.3 | | 6.9 | a | 8.0 | 51 | 8.9 | | 18.2 | K | 9.5 | | 59.1 | | 3.1 | | 9.1 | | 55.7 | | 17.0 | a |
| 9.5 | 8 | 52.7 | | 23.7 | B | 9.1 | | 42.3 | | 13.4 | K | 8.7 | | 10.7 | | 10.2 | L | 9.3 | 24 | 32.0 | | 53.7 | Kb | 9.4 | | 56.4 | | 43.5 | |
| 9.5 | | 54.7 | | 4.3 | B | 9.3 | | 52.3 | | 3.1 | | 9.4 | 52 | 1.4 | | 47.6 | B | 8.9 | 26 | 5.3 | | 33.3 | K | 9.5 | 51 | 3.4 | | 58.8 | |
| 9.0 | 9 | 31.9 | | 47.7 | Kb | 9.0 | 35 | 0.0 | | 5.0 | K | 9.3 | | 40.4 | | 50.1 | Kb | 9.4 | 27 | 11.1 | | 56.7 | | 9.0 | | 26.6 | | 14.7 | |
| 9.5 | 10 | 32.6 | | 4.6 | | 8.5 | | 3.2 | | 13.0 | K | 9.3 | 53 | 6.2 | | 57.6 | | 9.5 | | 42.2 | | 12.3 | | 9.5 | | 38.8 | | 54.5 | |
| 9.5 | | 41.3 | | 27.0 | | 9.4 | | 9.3 | | 58.5 | | 9.5 | | 53.1 | | 6.3 | B | 9.1 | | 55.0 | | 27.8 | b | 8.2 | 52 | 0.1 | | 6.8 | K |
| 9.0 | 11 | 36.7 | | 37.2 | | 9.4 | | 21.9 | | 5.7 | | 9.0 | 55 | 20.3 | | 21.2 | Kb | 8.4 | 29 | 20.9 | | 5.5 | Kb | 9.3 | | 10.3 | | 43.5 | |
| 9.3 | | 48.9 | | 21.7 | | 8.2 | | 44.3 | | 22.2 | L | 9.5 | | 43.8 | | 18.9 | | 9.5 | | 41.3 | | 7.8 | | 9.0 | | 16.7 | | 38.7 | |
| 9.5 | | 50.8 | | 11.5 | | 8.0 | | 53.8 | | 40.8 | L | 9.5 | | 55.2 | | 7.9 | | 9.5 | 30 | 27.0 | | 34.6 | | 8.4 | | 33.0 | | 27.0 | K |
| 9.3 | 12 | 22.2 | | 47.5 | B | 9.1 | 36 | 11.3 | | 21.2 | L | 9.5 | 56 | 39.3 | | 59.7 | | 6.5 | 31 | 14.4 | | 41.2 | K | 9.5 | | 37.8 | | 23.8 | |
| 8.4 | | 29.3 | | 44.8 | K | 9.0 | | 12.0 | | 8.9 | K | 9.4 | | 42.2 | | 47.0 | | 8.9 | | 53.7 | | 26.0 | K | 9.3 | 53 | 0.0 | | 46.8 | |
| 9.4 | 13 | 33.8 | | 57.3 | | 9.5 | | 15.4 | | 47.2 | | 9.5 | 57 | 4.7 | | 57.7 | | 9.0 | 32 | 12.0 | | 1.5 | | 9.2 | | 3.0 | | 59.9 | |
| ~~9.5~~ | ~~14~~ | ~~0.3~~ | | ~~52.1~~ | | 9.1 | | 19.8 | | 16.4 | | 9.5 | | 30.8 | | 35.0 | | 9.5 | 34 | 24.0 | | 11.6 | | 8.8 | | 3.9 | | 46.9 | K |
| 7.7 | | 3.3 | | 16.8 | K | 9.5 | | 40.0 | | 41.2 | | 7.5 | | 49.7 | | 52.5 | Kb | 9.5 | | 32.3 | | 59.8 | | 9.0 | | 12.3 | | 48.7 | K |
| 9.5 | | 16.4 | | 35.0 | | 9.5 | | 42.3 | | 26.4 | | 9.2 | 58 | 4.5 | | 2.1 | b | 9.2 | 37 | 27.4 | | 4.8 | a | 9.3 | | 36.6 | | 49.6 | |
| 9.4 | | 35.5 | | 51.3 | | 9.5 | | 49.8 | | 7.0 | | 9.4 | 0 | 17.1 | | 21.3 | | 9.2 | | 31.4 | | 2.3 | a | 9.5 | | 46.3 | | 32.6 | |
| 8.0 | | 38.4 | | 55.1 | Kb | 9.5 | | 51.4 | | 0.1 | | 9.5 | | 51.4 | | 21.7 | | 9.4 | | 33.0 | | 25.1 | B | 9.5 | | 49.2 | | 38.5 | |
| 9.0 | 15 | 3.8 | | 21.6 | | 8.3 | 37 | 31.3 | | 12.3 | K | 8.0 | 2 | 33.5 | | 27.2 | Kb | 9.4 | | 51.0 | | 21.8 | | 9.5 | 54 | 26.5 | | 53.0 | |
| 9.1 | | 26.8 | | 45.6 | b | 9.5 | 38 | 15.7 | | 48.4 | | 9.5 | 3 | 33.4 | | 14.5 | | 9.5 | 38 | 0.9 | | 24.1 | | 9.1 | | 53.0 | | 42.3 | |
| 9.2 | 16 | 21.7 | | 19.2 | b | 8.9 | | 18.2 | | 41.2 | | 7.0 | 6 | 5.3 | | 32.1 | K | 8.8 | | 13.7 | | 3.8 | K | 8.5 | | 58.1 | | 41.1 | L |
| 9.2 | 17 | 1.1 | | 57.5 | | 9.3 | | 22.5 | | 16.0 | | 9.5 | | 24.4 | | 26.2 | | 9.5 | 39 | 4.1 | | 46.7 | | 9.3 | 55 | 0.3 | | 48.7 | |
| 9.1 | | 50.8 | | 24.0 | Kb | 8.3 | | 29.2 | | 24.1 | K | 9.5 | | 44.9 | | 57.7 | aB | 9.4 | | 9.2 | | 41.0 | | 8.0 | | 15.2 | | 25.2 | K |
| | | + | | + | | | | + | | + | | | | + | | + | | | | + | | + | | | | + | | + | |
| 10pr. | | 36.10 | | 2.35 | | 10pr. | | 36.75 | | 2.01 | | 10pr. | | 37.09 | | 1.81 | | 10pr. | | 37.53 | | 1.46 | | 10pr. | | 37.93 | | 1.03 | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ—5ᵐ | | +29° | | | 5ᵐ | | +29° | | | 5ᵐ | | +29° | | | 5ᵐ | | +29° | | | 5ᵐ | | +29° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 55 | 44.5 | 24.2 | B | 9.5 | 9 | 35.1 | 1.4 | B | 8.5 | 22 | 34.4 | 19.5 | L | 9.2 | 36 | 7.5 | 5.5 | a | 8.8 | 46 | 22.1 | 54.9 | |
| 7.8 | | 46.0 | 46.3 | L | 9.5 | | 37.3 | 1.7 | B | 9.3 | | 58.5 | 12.6 | | 9.5 | | 9.7 | 6.7 | | 9.5 | | 54.3 | 58.9 | |
| 9.5 | | 59.8 | 58.0 | | 9.5 | 10 | 7.1 | 16.5 | B | 7.8 | 23 | 1.3 | 5.2 | L | 7.5 | | 18.2 | 13.9 | L | 9.4 | 47 | 0.0 | 53.6 | a |
| 9.5 | 56 | 14.2 | 15.8 | | 9.3 | | 26.6 | 20.6 | B | 8.6 | | 19.8 | 17.8 | | 9.4 | | 34.8 | 30.1 | | 9.5 | | 11.2 | 57.3 | |
| 9.4 | | 24.6 | 47.3 | | 9.3 | | 31.0 | 57.3 | | 9.5 | | 59.5 | 25.0 | | 8.9 | | 43.1 | 3.9 | | 8.5 | | 15.2 | 43.0 | B |
| 8.0 | 57 | 0.6 | 34.0 | L | 9.5 | | 39.8 | 18.8 | | 9.5 | 24 | 3.3 | 30.5 | | 9.5 | | 51.8 | 55.2 | | 9.2 | | 17.9 | 52.5 | |
| 9.3 | | 3.5 | 16.4 | | 9.5 | 11 | 45.9 | 57.1 | | 9.4 | | 5.6 | 15.6 | | 9.3 | | 53.5 | 33.5 | | 9.5 | | 22.1 | 50.8 | |
| 9.5 | | 46.5 | 6.1 | | 9.5 | | 47.1 | 15.4 | | 9.3 | | 14.0 | 7.9 | | 9.5 | 37 | 7.6 | 33.7 | | 9.4 | | 22.9 | 23.5 | |
| 8.5 | | 46.5 | 52.1 | B | 6.0 | | 59.6 | 25.4 | K | 9.4 | | 21.1 | 3.7 | a | 9.3 | | 20.3 | 20.2 | | 9.5 | 48 | 9.9 | 51.6 | |
| 9.4 | 58 | 4.3 | 2.7 | | 9.1 | 12 | 25.7 | 46.0 | | 9.3 | | 57.1 | 47.1 | B | 9.2 | | 20.9 | 7.6 | | 9.5 | | 16.2 | 31.9 | |
| 9.2 | | 10.1 | 28.5 | B | 9.0 | | 42.0 | 39.1 | K | 9.5 | 25 | 3.9 | 55.7 | | 9.3 | | 31.0 | 23.9 | | 9.4 | | 23.1 | 19.3 | |
| 9.4 | | 27.5 | 41.2 | | 9.2 | 13 | 3.2 | 29.8 | | 9.3 | | 16.0 | 9.6 | a | 9.0 | | 41.6 | 44.9 | | 9.5 | | 24.6 | 52.5 | |
| 8.9 | | 37.2 | 58.5 | | 9.5 | | 16.7 | 14.6 | | 9.2 | | 29.2 | 42.5 | | 9.5 | | 55.1 | 26.3 | | 9.5 | | 30.0 | 50.8 | |
| 9.3 | | 43.3 | 16.1 | | 8.7 | | 18.4 | 7.2 | | 9.2 | | 36.7 | 56.4 | b | 8.0 | | 55.4 | 22.3 | K | 9.0 | | 34.7 | 47.4 | K |
| 9.1 | | 47.0 | 41.5 | | 9.1 | | 32.0 | 47.0 | | 8.9 | | 42.2 | 12.1 | K | 9.3 | 38 | 4.3 | 42.8 | | 9.5 | | 47.1 | 18.2 | |
| 9.1 | | 51.9 | 1.6 | | 7.5 | | 45.9 | 34.3 | K | 9.5 | 26 | 3.4 | 9.6 | a | 9.5 | | 5.2 | 50.5 | | 8.8 | | 59.9 | 23.2 | |
| 9.5 | 59 | 16.4 | 56.9 | | 9.5 | 14 | 9.9 | 56.0 | | 9.5 | | 4.3 | 38.5 | | 7.0 | | 10.1 | 35.9 | K | 9.5 | 49 | 4.0 | 6.9 | a |
| 9.5 | | 33.3 | 34.7 | | 8.5 | | 21.3 | 32.2 | K | 9.5 | 27 | 0.0 | 8.8 | | 9.5 | | 10.6 | 2.6 | | 7.8 | | 9.1 | 36.0 | 8 |
| 9.5 | 0 | 4.4 | 26.2 | | 9.2 | | 23.5 | 25.8 | | 9.5 | | 29.1 | 35.0 | | 9.5 | | 19.5 | 13.7 | | 9.2 | | 25.3 | 31.3 | |
| 8.9 | | 6.9 | 23.7 | K | 9.0 | | 45.9 | 35.0 | K | 9.5 | | 33.4 | 34.4 | | 9.5 | | 41.4 | 25.6 | | 9.2 | | 25.3 | 30.1 | |
| 8.5 | | 14.5 | 46.4 | | 9.4 | 15 | 26.5 | 4.6 | a | 8.7 | | 45.1 | 12.8 | K | 9.5 | | 45.5 | 45.6 | | 9.0 | | 35.4 | 9.1 | |
| 6.5 | | 30.1 | 36.3 | K | 9.5 | | 42.3 | 56.2 | | 9.5 | 28 | 51.8 | 17.5 | | 9.2 | | 55.8 | 42.4 | | 6.8 | | 39.1 | 57.8 | L |
| 9.5 | | 49.7 | 54.2 | | 9.1 | | 44.9 | 48.8 | ab | 9.5 | | 52.3 | 0.2 | | 9.5 | 39 | 22.1 | 22.7 | | 9.5 | | 43.0 | 59.4 | |
| 9.5 | | 58.3 | 4.5 | | 9.1 | | 50.0 | 7.8 | a | 9.5 | 29 | 17.2 | 22.4 | | 8.2 | | 38.0 | 41.7 | L | 9.5 | | 49.2 | 24.4 | |
| 9.3 | 1 | 7.6 | 21.9 | | 9.4 | | 58.8 | 52.0 | | 9.3 | | 32.4 | 7.6 | | 8.2 | | 39.9 | 4.7 | K | 9.4 | | 53.8 | 19.7 | |
| 9.3 | | 9.3 | 28.1 | | 8.4 | 16 | 3.7 | 28.6 | | 9.3 | | 38.6 | 40.2 | | 9.5 | | 46.7 | 50.4 | | 8.5 | 50 | 19.1 | 59.2 | K |
| 9.3 | | 21.7 | 1.3 | | 9.1 | | 9.8 | 13.3 | | 6.2 | 30 | 5.9 | 7.6 | K | 9.3 | | 49.8 | 59.1 | | 9.5 | | 27.2 | 8.7 | |
| 9.2 | | 31.5 | 37.4 | B | 8.4 | | 11.9 | 4.4 | K | 9.5 | | 7.5 | 26.4 | | 9.1 | | 54.2 | 38.0 | | 9.5 | | 55.8 | 13.2 | |
| 8.4 | | 52.0 | 36.1 | K | 9.5 | | 13.0 | 30.2 | | 8.3 | | 13.8 | 44.7 | | 7.8 | 40 | 1.6 | 40.3 | K | 9.0 | | 57.0 | 24.0 | |
| 7.0 | 2 | 5.2 | 32.6 | B | 9.4 | | 18.2 | 52.1 | | 9.4 | | 48.7 | 34.3 | | 9.2 | | 19.9 | 7.9 | | 9.2 | 51 | 1.9 | 35.2 | |
| 9.4 | | 7.4 | 25.8 | B | 9.2 | | 26.4 | 30.1 | | 9.5 | 31 | 25.5 | 1.4 | | 9.5 | 41 | 11.9 | 30.5 | | 9.4 | | 25.5 | 28.4 | |
| 9.5 | | 7.8 | 2.7 | | 9.5 | | 43.2 | 16.5 | | 8.8 | | 40.2 | 0.5 | | 8.8 | | 17.6 | 42.3 | Kb | 9.0 | | 26.5 | 15.5 | |
| 6.5 | | 23.6 | 43.9 | K | 8.0 | | 59.1 | 51.3 | B | 7.0 | 32 | 5.9 | 24.5 | K | 9.5 | | 39.5 | 7.5 | | 9.5 | | 47.7 | 50.5 | |
| 9.0 | | 47.3 | 19.7 | B | 9.5 | 17 | 21.5 | 4.2 | | 7.5 | | 6.9 | 25.2 | K | 9.5 | 42 | 3.2 | 49.9 | | 8.4 | 52 | 4.5 | 25.9 | |
| 9.0 | 3 | 36.9 | 10.1 | | 9.2 | | 40.6 | 32.0 | | 9.3 | | 28.5 | 38.3 | | 9.5 | | 4.3 | 42.5 | | 8.3 | | 9.5 | 33.8 | K |
| 9.3 | | 57.2 | 0.8 | | 9.5 | | 49.8 | 14.8 | | 9.5 | | 30.1 | 6.4 | | 9.5 | | 5.4 | 53.1 | | 9.4 | | 20.8 | 29.8 | |
| 8.9 | 4 | 3.9 | 48.4 | | 8.0 | | 54.4 | 47.4 | L | 9.4 | | 34.4 | 15.3 | | 9.2 | | 28.8 | 12.8 | | 9.1 | | 51.2 | 33.0 | a |
| 8.9 | | 30.7 | 17.1 | | 9.3 | 18 | 12.3 | 4.7 | | 8.7 | | 40.0 | 12.9 | K | 9.4 | | 30.3 | 46.4 | | 9.1 | | 51.5 | 59.6 | Kb |
| 9.4 | | 42.5 | 50.7 | | 9.5 | | 35.2 | 40.0 | | 9.4 | | 40.1 | 23.2 | | 9.5 | | 43.0 | 40.7 | | 9.5 | | 55.8 | 7.9 | |
| 9.3 | | 47.4 | 53.6 | a | 9.3 | | 45.5 | 35.8 | | 8.7 | | 42.9 | 11.4 | K | 9.0 | | 51.9 | 20.0 | K | 9.5 | 53 | 22.0 | 50.7 | |
| 9.5 | | 56.9 | 8.0 | | 9.2 | | 48.1 | 27.6 | | 8.8 | | 43.6 | 26.5 | K | 9.0 | | 54.1 | 52.4 | | 9.4 | | 26.4 | 31.0 | |
| 8.5 | 5 | 19.0 | 55.4 | | 9.1 | | 56.9 | 55.3 | | 9.1 | | 55.4 | 9.8 | K | 8.2 | 43 | 1.3 | 28.1 | K | 9.5 | | 28.3 | 5.1 | |
| 9.0 | | 31.8 | 8.6 | | 9.3 | 19 | 8.7 | 54.1 | | 9.0 | 33 | 4.8 | 38.7 | K | 9.5 | | 20.9 | 33.1 | | 9.0 | | 47.5 | 46.9 | |
| 9.5 | | 49.0 | 51.7 | ? | 9.2 | | 25.8 | 59.7 | | 7.7 | | 13.9 | 46.3 | K | 9.5 | | 21.7 | 12.8 | | 9.5 | | 48.0 | 48.4 | a |
| 8.9 | | 57.4 | 3.6 | | 9.5 | | 30.5 | 53.7 | | 9.5 | | 19.2 | 4.5 | | 9.5 | | 25.8 | 48.0 | | 9.3 | | 52.4 | 26.4 | |
| 9.1 | 6 | 5.5 | 6.9 | a | 9.4 | | 59.4 | 19.6 | | 9.5 | | 21.1 | 3.0 | | 9.4 | | 29.7 | 51.8 | B | 9.5 | 54 | 14.9 | 30.7 | |
| 8.8 | | 34.7 | 17.9 | B | 9.5 | 20 | 9.7 | 29.0 | | 9.1 | | 27.3 | 50.4 | | 8.5 | | 30.4 | 44.0 | | 9.2 | | 20.0 | 34.9 | |
| 9.3 | | 35.1 | 39.1 | | 9.5 | | 16.5 | 15.0 | | 9.3 | | 45.7 | 56.5 | | 8.3 | | 43.9 | 3.9 | K | 9.2 | | 21.5 | 20.3 | K |
| 8.8 | 7 | 3.4 | 11.3 | B | 7.0 | | 27.9 | 3.9 | K | 8.5 | | 55.0 | 52.3 | K | 9.5 | | 56.8 | 18.1 | | 8.6 | | 30.8 | 22.8 | K |
| 9.1 | | 18.1 | 12.8 | a | 8.7 | | 47.2 | 42.4 | | 7.0 | 34 | 9.6 | 7.8 | K | 9.1 | 44 | 7.7 | 57.5 | a | 9.5 | | 31.6 | 20.8 | |
| 9.5 | | 50.4 | 55.0 | | 7.5 | | 52.4 | 25.6 | K | 8.8 | | 21.3 | 40.5 | | 9.2 | | 31.8 | 5.2 | | 9.2 | | 39.4 | 57.5 | |
| 9.5 | 8 | 5.9 | 29.2 | | 9.3 | 21 | 5.8 | 22.4 | | 8.8 | | 38.7 | 32.4 | | 9.5 | | 36.4 | 51.1 | | 9.2 | | 42.7 | 29.2 | |
| 9.5 | | 10.9 | 34.4 | | 9.5 | | 11.5 | 51.1 | | 9.5 | | 41.9 | 50.4 | | 9.1 | | 41.7 | 7.6 | a | 9.5 | | 49.5 | 37.1 | |
| 9.5 | | 19.7 | 42.9 | | 9.5 | | 22.7 | 46.9 | | 8.2 | | 50.4 | 25.7 | L | 9.5 | | 42.5 | 21.0 | | 8.7 | 55 | 0.5 | 30.9 | |
| 9.5 | | 40.0 | 23.7 | | 9.5 | | 23.6 | 40.5 | | 8.0 | 35 | 0.8 | 56.3 | Kb | 9.4 | | 50.3 | 26.2 | | 9.5 | | 9.3 | 4.0 | |
| 9.5 | | 40.1 | 58.8 | | 9.5 | | 42.8 | 35.1 | | 9.5 | | 1.2 | 5.2 | | 9.5 | 45 | 20.8 | 37.3 | | 9.5 | | 40.1 | 26.5 | |
| 9.3 | 9 | 15.5 | 13.4 | | 9.4 | | 50.0 | 58.6 | | 9.5 | | 6.6 | 37.6 | | 7.2 | 46 | 4.8 | 55.5 | Lb | 9.0 | | 45.4 | 18.8 | K |
| 8.9 | | 17.0 | 43.4 | | 9.2 | 22 | 5.6 | 38.8 | B | 9.4 | | 23.0 | 7.2 | | 9.2 | | 14.0 | 40.0 | B | 9.2 | | 52.7 | 50.2 | |
| 9.3 | | 33.3 | 46.7 | | 9.4 | | 19.9 | 54.8 | | 9.4 | | 32.3 | 50.0 | | 7.5 | | 15.1 | 8.4 | K | 9.4 | | 53.5 | 35.4 | |
| 8.7 | | 34.6 | 33.3 | K | 9.4 | | 21.7 | 50.1 | | 9.5 | | 37.4 | 29.5 | | 9.3 | | 16.2 | 36.6 | B | 9.0 | 56 | 6.4 | 3.0 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 38.05 | 0.84 | | 10pr. | | 38.15 | 0.63 | | 10pr. | | 38.22 | 0.42 | | 10pr. | | 38.26 | 0.26 | | 10pr. | | 38.28 | 0.13 | |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵃ—6ᵃ | | +29° | | | 6ᵃ | | +29° | | | 6ᵃ | | +29° | | | 6ᵃ | | +29° | | | 6ᵃ | | +29° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.4 | 56 | 13.0 | 1.8 | α | 8.8 | 7 | 12.1 | 44.6 | | 8.7 | 17 | 4.6 | 43.0 | K | 9.5 | 26 | 59.5 | 38.0 | | 9.4 | 37 | 1.8 | 16.5 | |
| 9.5 | | 16.5 | 7.9 | α | 9.5 | | 15.7 | 48.1 | α | 9.5 | | 25.5 | 1.8 | | 8.6 | 27 | 4.6 | 50.3 | Kb | 8.2 | | 18.9 | 59.3 | Kb |
| 9.5 | | 21.5 | 55.2 | | 8.5 | | 49.8 | 35.5 | K | 9.5 | | 25.9 | 57.7 | | 9.5 | | 55.4 | 33.4 | B | 9.5 | | 19.0 | 34.1 | |
| 9.5 | | 40.2 | 13.4 | | 9.5 | 8 | 20.4 | 56.4 | | 9.2 | | 44.4 | 50.5 | | 9.0 | 28 | 5.2 | 59.2 | | 9.3 | | 19.5 | 12.3 | |
| 9.4 | | 41.6 | 44.5 | | 7.7 | | 31.5 | 15.9 | R | 9.2 | | 52.0 | 6.0 | | 9.5 | | 10.4 | 20.9 | | 8.8 | | 40.6 | 0.9 | |
| 8.9 | | 43.0 | 22.5 | | 9.4 | | 37.2 | 58.7 | | 8.7 | | 59.5 | 25.5 | L | 9.0 | | 12.5 | 3.4 | K | 9.4 | | 52.7 | 27.8 | |
| 9.5 | | 43.2 | 29.5 | | 9.5 | | 44.5 | 45.7 | | 9.4 | 18 | 12.1 | 1.1 | B | 9.3 | | 23.9 | 57.6 | | 9.5 | 38 | 6.5 | 52.7 | |
| 9.5 | | 52.4 | 4.3 | B | 9.5 | | 53.5 | 29.4 | | 8.0 | | 13.5 | 42.8 | L | 9.5 | | 26.5 | 27.8 | | 9.5 | | 43.4 | 28.0 | |
| 8.5 | 57 | 0.1 | 17.2 | | 9.4 | 9 | 7.0 | 18.2 | | 9.4 | | 17.9 | 20.5 | | 8.8 | | 28.4 | 35.2 | | 9.3 | | 51.6 | 52.7 | |
| 9.3 | | 1.4 | 43.8 | | 7.0 | | 20.5 | 50.3 | B | 9.3 | | 43.5 | 21.5 | | 9.5 | | 44.5 | 17.7 | | 9.5 | | 59.3 | 5.3 | |
| 7.5 | | 3.5 | 6.2 | K | 9.5 | | 33.3 | 5.8 | | 7.6 | | 48.5 | 19.6 | K | 9.5 | | 53.5 | 18.2 | | 8.2 | 39 | 5.2 | 20.4 | K |
| 6.0 | | 7.5 | 31.0 | L | 8.8 | | 56.7 | 58.6 | Lb | 9.2 | | 56.7 | 42.7 | α | 9.0 | 29 | 0.8 | 52.2 | K | 9.4 | | 25.0 | 42.1 | |
| 9.4 | | 33.6 | 34.4 | | 8.8 | | 57.5 | 26.2 | K | 9.4 | 19 | 16.5 | 46.5 | B | 6.2 | | 10.7 | 5.8 | Kb | 9.5 | | 37.1 | 55.2 | |
| 9.5 | | 37.0 | 40.6 | | 9.1 | | 59.6 | 21.5 | | 9.3 | | 22.6 | 21.3 | | 9.5 | | 29.7 | 55.5 | | 9.3 | 40 | 3.9 | 15.7 | |
| 9.5 | | 42.5 | 4.3 | | 9.3 | 10 | 9.4 | 29.7 | B | 9.0 | | 26.1 | 51.0 | | 9.4 | | 37.0 | 27.6 | | 9.3 | | 5.5 | 5.1 | B |
| 9.5 | 58 | 11.9 | 20.1 | | 9.5 | | 11.1 | 15.9 | | 9.2 | | 40.5 | 51.4 | α | 9.4 | | 45.9 | 59.3 | | 9.3 | | 9.2 | 36.8 | |
| 9.5 | | 25.7 | 56.4 | | 9.5 | | 18.4 | 31.3 | | 9.5 | | 47.0 | 29.7 | | 7.8 | | 53.5 | 52.1 | K | 9.1 | | 16.6 | 22.2 | αb |
| 9.5 | | 41.3 | 8.7 | | 9.3 | | 24.5 | 29.1 | | 9.3 | 20 | 1.9 | 15.7 | | 9.5 | 30 | 12.1 | 32.6 | | 9.5 | | 24.2 | 30.9 | |
| 8.7 | | 51.9 | 4.5 | K | 9.4 | | 45.5 | 38.4 | | 9.2 | | 5.5 | 43.1 | K | 9.0 | | 34.5 | 25.7 | | 9.5 | | 25.5 | 48.2 | |
| 9.5 | 59 | 17.0 | 10.8 | | 8.8 | | 58.5 | 33.2 | R | 9.5 | | 6.6 | 27.3 | | 9.0 | | 48.5 | 41.3 | | 9.3 | | 37.3 | 12.8 | |
| 8.8 | | 21.5 | 2.0 | K | 8.9 | 11 | 10.5 | 43.4 | R | 8.0 | | 8.5 | 34.0 | K | 9.3 | | 52.4 | 22.9 | | 8.6 | | 46.5 | 42.7 | L |
| 9.4 | | 31.0 | 55.6 | | 9.4 | | 11.3 | 1.4 | | 9.5 | | 32.7 | 43.4 | | 8.9 | | 57.6 | 1.3 | | 9.5 | | 46.5 | 35.0 | |
| 8.6 | | 32.7 | 52.1 | | 9.4 | | 15.9 | 45.3 | | 9.5 | | 42.9 | 51.4 | B | 9.1 | 31 | 2.7 | 5.9 | α | 9.5 | | 58.1 | 2.1 | |
| 9.1 | | 40.9 | 13.5 | | 9.4 | | 18.2 | 6.0 | | 9.1 | | 51.6 | 37.6 | Bb | 9.5 | | 16.1 | 56.2 | | 9.4 | | 58.3 | 39.0 | α |
| 8.9 | | 51.5 | 34.5 | | 9.5 | | 28.0 | 3.3 | | 9.5 | 21 | 3.0 | 12.2 | | 9.1 | | 42.0 | 53.1 | | 9.5 | 41 | 11.5 | 48.1 | |
| 8.4 | 0 | 10.5 | 8.0 | K | 9.5 | | 30.0 | 26.8 | | 9.4 | | 18.5 | 19.4 | | 9.5 | | 53.8 | 29.6 | | 9.2 | | 12.5 | 28.2 | |
| 9.5 | | 19.3 | 42.8 | | 8.9 | | 33.0 | 37.9 | R | 9.4 | | 21.4 | 13.2 | | 7.2 | 32 | 3.5 | 50.6 | K | 9.4 | | 23.6 | 48.0 | α |
| 7.8 | | 29.5 | 15.7 | K | 9.0 | | 36.5 | 1.4 | K | 8.3 | | 29.6 | 55.3 | B | 9.4 | | 6.5 | 49.0 | B | 9.3 | | 24.2 | 33.3 | |
| 9.4 | | 31.7 | 14.8 | B | 7.0 | | 49.8 | 25.6 | K | 9.3 | | 31.5 | 40.9 | K | 8.3 | | 12.6 | 5.9 | K | 9.4 | | 33.1 | 36.9 | B |
| 9.5 | | 45.0 | 36.5 | | 6.4 | | 56.5 | 35.7 | K | 9.1 | | 39.5 | 30.8 | | 9.4 | | 13.3 | 11.1 | | 9.5 | | 34.3 | 59.0 | B |
| 8.5 | | 50.6 | 22.7 | K | 9.3 | 12 | 1.6 | 43.0 | α | 9.2 | | 53.5 | 53.5 | | 9.5 | | 30.3 | 3.4 | | 9.5 | | 42.0 | 25.6 | |
| 9.5 | 1 | 9.6 | 48.9 | | 9.0 | | 4.5 | 18.9 | R | 9.4 | 22 | 17.6 | 34.8 | | 9.2 | | 43.7 | 23.7 | | 9.4 | | 45.4 | 54.3 | |
| 8.5 | | 18.5 | 26.1 | K | 9.2 | | 12.5 | 18.4 | R | 9.0 | | 31.4 | 20.7 | B | 9.5 | | 44.5 | 28.4 | | 9.4 | 42 | 3.5 | 56.6 | |
| 9.3 | | 25.2 | 40.9 | | 9.5 | | 12.9 | 8.3 | | 9.2 | | 33.7 | 5.6 | | 9.4 | | 47.6 | 0.7 | | 8.2 | | 7.5 | 18.3 | K |
| 9.2 | | 29.4 | 56.1 | | 9.4 | | 46.4 | 30.0 | | 8.9 | | 39.5 | 27.3 | | 9.1 | | 51.3 | 36.6 | | 9.4 | | 8.8 | 25.5 | |
| 9.0 | | 55.2 | 55.5 | | 9.5 | | 48.7 | 34.8 | B | 9.3 | | 49.6 | 8.3 | | 9.5 | | 52.4 | 52.4 | | 9.5 | | 24.0 | 8.4 | |
| 9.5 | 2 | 1.4 | 5.0 | B | 9.5 | | 59.6 | 16.2 | | 9.3 | 23 | 3.5 | 15.2 | | 9.0 | 33 | 9.5 | 45.2 | | 9.5 | | 44.6 | 6.0 | |
| 7.7 | | 31.5 | 42.9 | B | 9.4 | 13 | 12.5 | 1.4 | | 8.7 | | 7.9 | 28.3 | | 9.5 | | 17.3 | 7.9 | | 9.5 | | 48.3 | 40.5 | |
| 9.3 | | 44.8 | 57.8 | α | 9.5 | | 23.8 | 47.3 | | 9.4 | | 18.2 | 59.8 | | 8.6 | | 17.5 | 34.1 | K | 9.5 | 43 | 5.0 | 57.6 | |
| 7.6 | | 51.0 | 30.8 | B | 8.6 | | 30.9 | 59.9 | Kb | 9.2 | | 32.5 | 8.3 | | 7.8 | | 19.6 | 30.5 | K | 9.5 | | 8.4 | 52.7 | |
| 9.5 | 3 | 2.5 | 53.0 | | 9.1 | | 33.5 | 29.5 | K | 9.1 | | 33.0 | 15.7 | | 9.4 | | 31.6 | 6.6 | B | 9.3 | | 8.6 | 24.5 | |
| 9.3 | | 3.4 | 41.9 | | 9.5 | | 40.7 | 15.7 | | 9.2 | | 36.5 | 51.2 | | 9.3 | | 43.9 | 46.6 | | 7.7 | | 27.5 | 36.7 | L |
| 9.3 | | 13.5 | 6.9 | | 9.4 | 14 | 7.8 | 51.5 | | 8.2 | | 49.5 | 30.2 | K | 9.5 | 34 | 17.8 | 5.8 | | 9.5 | | 28.2 | 6.7 | B |
| 9.0 | | 14.6 | 56.2 | | 9.4 | | 13.5 | 1.1 | | 8.2 | 24 | 16.0 | 46.4 | Lb | 9.4 | | 32.9 | 51.8 | B | 9.5 | | 33.7 | 6.0 | α |
| 8.9 | | 37.0 | 25.6 | B | 9.4 | | 13.7 | 26.3 | B | 9.5 | | 22.4 | 23.0 | | 9.5 | 35 | 10.0 | 10.8 | | 9.4 | | 35.7 | 8.2 | α |
| 8.7 | | 40.5 | 45.4 | | 9.5 | | 17.5 | 3.3 | α | 9.5 | | 33.5 | 36.6 | | 9.4 | | 16.5 | 17.2 | | 9.4 | | 40.5 | 49.6 | B |
| 8.2 | 4 | 3.0 | 4.2 | K | 9.4 | | 20.4 | 58.0 | | 9.5 | | 38.3 | 24.5 | | 6.0 | | 34.5 | 6.8 | K | 9.5 | | 44.2 | 15.1 | |
| 9.2 | 5 | 10.1 | 13.2 | | 8.9 | | 21.6 | 3.5 | R | 9.5 | | 43.5 | 15.3 | α | 9.2 | | 49.5 | 53.8 | | 9.5 | | 45.2 | 43.3 | |
| 9.4 | | 22.5 | 22.1 | | 9.0 | | 22.5 | 48.0 | | 9.4 | | 43.5 | 18.2 | | 9.5 | | 53.2 | 23.1 | α | 8.7 | 44 | 10.5 | 44.3 | K |
| 9.2 | | 28.0 | 53.0 | | 8.9 | | 39.5 | 2.4 | R | 9.1 | 25 | 3.0 | 23.2 | | 9.2 | | 59.1 | 22.0 | B | 9.5 | | 21.9 | 19.6 | |
| 9.5 | | 38.7 | 28.1 | | 9.5 | 15 | 11.4 | 2.7 | | 9.3 | | 14.0 | 13.9 | B | 9.1 | | 59.5 | 31.2 | | 8.0 | | 25.0 | 41.3 | K |
| 9.3 | | 55.3 | 55.7 | | 9.4 | | 23.5 | 32.1 | | 8.9 | | 19.5 | 30.5 | K | 8.5 | 36 | 14.5 | 30.5 | K | 9.4 | | 43.5 | 44.7 | α |
| 8.3 | | 58.5 | 19.2 | | 6.8 | | 36.9 | 47.4 | K | 9.4 | | 28.7 | 47.6 | | 9.4 | | 16.0 | 22.9 | | 9.5 | | 59.5 | 36.8 | |
| 4.4 | 6 | 7.5 | 33.0 | K | 9.5 | | 46.0 | 29.9 | | 8.8 | | 28.7 | 28.3 | K | 8.7 | | 23.8 | 41.3 | B | 8.7 | 45 | 14.6 | 15.3 | |
| 8.5 | | 10.5 | 16.0 | | 9.5 | 16 | 3.2 | 51.9 | B | 9.2 | | 47.5 | 47.8 | | 9.5 | | 24.8 | 45.3 | | 8.9 | | 19.5 | 7.3 | K |
| 9.2 | | 12.3 | 25.6 | | 9.5 | | 6.6 | 7.4 | | 9.2 | | 51.1 | 16.0 | | 8.3 | | 32.5 | 27.8 | K | 9.4 | | 22.0 | 50.3 | |
| 9.5 | | 13.4 | 12.8 | | 8.9 | | 11.5 | 38.5 | | 9.5 | | 59.2 | 8.8 | | 9.5 | | 37.5 | 25.3 | | 9.3 | | 39.5 | 5.4 | |
| 8.7 | | 16.6 | 0.6 | K | 9.4 | | 29.0 | 13.3 | | 9.5 | 26 | 28.5 | 4.9 | | 9.5 | | 42.4 | 18.1 | | 9.5 | 46 | 0.4 | 3.3 | |
| 9.3 | | 42.2 | 50.1 | | 9.5 | | 46.7 | 9.0 | | 9.5 | | 50.8 | 21.7 | | 9.3 | | 55.6 | 7.8 | | 9.1 | | 21.7 | 56.4 | |
| 9.2 | 7 | 5.4 | 50.4 | aB | 9.2 | | 59.6 | 14.3 | | 9.4 | | 59.1 | 8.4 | | 9.5 | 37 | 1.5 | 57.7 | | 8.8 | | 26.0 | 23.1 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 38.29 | 0.01 | | 10pr. | | 38.28 | 0.18 | | 10pr. | | 38.25 | 0.32 | | 10pr. | | 38.21 | 0.47 | | 10pr. | | 38.16 | 0.60 | |

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵐ | | +29° | | | 6ᵐ—7ᵐ | | +29° | | | 7ᵐ | | +29° | | | 7ᵐ | | +29° | | | 7ᵐ—8ᵐ | | +29° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 46 | 39.1 | 2.6 | | 9.0 | 58 | 49.3 | 21.8 | K | 9.5 | 13 | 59.7 | 21.9 | | 9.5 | 32 | 21.1 | 18.6 | | 8.3 | 45 | 1.8 | 34.6 | K |
| 8.9 | | 42.6 | 14.0 | | 9.4 | 59 | 8.5 | 12.5 | | 9.2 | 14 | 0.4 | 41.3 | B | 9.5 | | 22.5 | 4.6 | | 9.5 | | 11.7 | 58.7 | |
| 8.5 | | 55.5 | 42.4 | K | 9.5 | | 14.5 | 5.5 | | 9.5 | | 0.5 | 48.1 | | 9.5 | | 53.6 | 37.6 | | 9.5 | | 20.0 | 8.6 | *a* |
| 9.3 | 47 | 6.7 | 55.1 | αB | 9.4 | | 27.2 | 18.2 | | 9.5 | | 4.3 | 33.7 | | 9.2 | 33 | 3.4 | 21.4 | | 8.5 | | 29.2 | 22.1 | K |
| 9.0 | | 7.5 | 22.8 | | 9.3 | | 33.9 | 51.9 | Kb | 9.5 | | 13.7 | 32.8 | | 9.4 | | 12.1 | 35.5 | | 8.3 | 46 | 26.6 | 31.8 | |
| 9.5 | | 21.6 | 39.1 | | 8.6 | | 56.8 | 10.3 | | 9.5 | | 47.1 | 6.4 | | 9.5 | | 33.3 | 22.0 | | 9.5 | | 26.8 | 56.5 | |
| 8.7 | | 24.0 | 8.5 | | 9.5 | 0 | 3.1 | 54.8 | | 9.5 | 15 | 5.1 | 14.6 | | 8.1 | | 36.8 | 9.8 | K | 9.5 | | 49.9 | 8.3 | *a* |
| 9.5 | | 37.7 | 53.3 | | 9.5 | | 56.5 | 47.2 | | 9.4 | | 24.3 | 35.2 | | 9.1 | | 55.0 | 36.1 | B | 9.5 | | 57.6 | 26.7 | |
| 9.3 | | 53.1 | 15.7 | | 9.5 | 1 | 7.5 | 34.8 | | 9.4 | 16 | 9.2 | 7.9 | | 9.0 | 34 | 3.5 | 6.5 | | 9.3 | 47 | 2.5 | 22.6 | B |
| 9.5 | 48 | 3.6 | 5.8 | | 9.0 | | 53.7 | 55.6 | K | 9.3 | | 15.1 | 38.4 | | 5.0 | | 13.3 | 13.5 | Kb | 9.4 | | 15.5 | 19.3 | B |
| 9.2 | | 25.8 | 2.2 | | 9.5 | 2 | 12.0 | 32.6 | | 9.0 | 17 | 57.0 | 22.3 | K | 9.2 | | 47.5 | 22.9 | | 8.6 | | 17.6 | 18.5 | K |
| 9.3 | | 40.8 | 19.2 | | 9.3 | | 25.2 | 26.7 | | 8.8 | 18 | 1.7 | 34.5 | K | 9.5 | | 49.0 | 33.0 | | 9.5 | | 37.8 | 12.4 | *a* |
| 9.5 | | 49.7 | 26.3 | | 9.5 | | 37.7 | 10.3 | | 8.8 | | 26.0 | 35.9 | K | 8.8 | | 55.0 | 44.6 | K | 9.0 | | 43.8 | 42.7 | |
| 9.5 | | 54.8 | 31.7 | | 9.2 | 3 | 3.8 | 33.9 | K | 9.4 | | 29.3 | 17.1 | | 9.1 | 36 | 23.8 | 5.8 | K | 8.6 | | 55.9 | 55.0 | Kb |
| 8.8 | 49 | 12.9 | 2.7 | | 9.4 | | 10.6 | 55.0 | | 7.6 | 19 | 3.4 | 42.4 | K | 9.5 | | 24.0 | 48.5 | | 9.5 | 48 | 9.9 | 37.9 | |
| 8.9 | | 22.4 | 34.8 | | 9.5 | | 22.1 | 21.8 | | 9.4 | | 21.8 | 55.5 | | 9.2 | | 35.2 | 53.7 | | 8.4 | | 52.1 | 53.8 | Kb |
| 9.0 | | 37.0 | 33.3 | B | 9.3 | | 25.5 | 43.8 | | 9.5 | 20 | 32.4 | 13.9 | | 9.0 | | 43.4 | 5.5 | K | 9.5 | 49 | 3.9 | 49.6 | |
| 9.4 | | 41.0 | 48.4 | | 9.5 | | 31.6 | 19.0 | | 9.3 | | 55.7 | 52.7 | B | 9.5 | | 51.1 | 15.3 | | 9.0 | | 21.5 | 35.8 | K |
| 9.5 | | 47.6 | 27.3 | | 8.7 | | 47.9 | 32.7 | | 9.0 | 21 | 15.2 | 41.0 | B | 9.2 | 37 | 7.9 | 19.3 | B | 9.4 | | 58.5 | 22.9 | B |
| 9.5 | | 54.3 | 51.5 | | 9.5 | 4 | 10.1 | 41.9 | | 8.0 | | 15.4 | 29.1 | K | 9.2 | | 10.3 | 9.9 | | 9.2 | 50 | 14.7 | 9.2 | B |
| 8.9 | | 59.1 | 29.4 | K | 9.3 | | 53.1 | 31.4 | B | 9.0 | | 51.5 | 27.5 | K | 9.3 | | 24.8 | 8.6 | | 9.4 | | 18.1 | 25.3 | B |
| 8.8 | 50 | 7.0 | 50.2 | B | 9.4 | 5 | 4.5 | 6.4 | | 9.5 | | 52.7 | 20.5 | B | 9.5 | | 46.7 | 41.5 | | 9.1 | | 21.0 | 33.0 | |
| 9.5 | | 35.6 | 7.2 | B | 9.5 | | 36.8 | 45.7 | | 8.5 | | 58.1 | 4.6 | K | 9.4 | | 50.7 | 47.7 | B | 8.9 | | 25.8 | 21.2 | K |
| 9.5 | | 51.7 | 6.0 | | 9.1 | | 42.9 | 52.9 | Rb | 8.2 | 22 | 10.8 | 30.8 | K | 9.4 | 38 | 8.6 | 38.6 | | 7.5 | 51 | 32.8 | 39.1 | B |
| 7.5 | | 53.8 | 58.4 | K | 9.5 | 6 | 8.0 | 22.8 | | 9.3 | | 14.7 | 54.2 | | 9.4 | | 10.5 | 54.1 | | 9.4 | | 33.5 | 42.4 | |
| 9.5 | 51 | 2.0 | 28.8 | | 9.5 | | 21.6 | 26.5 | | 8.7 | | 36.9 | 7.9 | K | 9.0 | | 14.6 | 56.5 | B | 9.4 | 52 | 24.0 | 21.6 | |
| 9.5 | | 33.8 | 12.8 | B | 9.4 | | 33.9 | 7.6 | R | 9.1 | 23 | 41.5 | 16.8 | | 9.4 | | 23.3 | 53.3 | | 8.7 | | 25.2 | 59.4 | K |
| 9.5 | | 47.0 | 38.8 | | 9.5 | | 52.3 | 5.1 | | 9.5 | 24 | 10.5 | 35.9 | | 9.5 | | 27.2 | 46.1 | B | 8.2 | | 53.8 | 1.8 | K |
| 7.8 | | 56.5 | 57.1 | Kb | 8.0 | | 53.4 | 30.4 | K | 9.5 | | 19.5 | 14.0 | | 9.5 | | 38.3 | 9.3 | | 9.4 | | 57.6 | 41.2 | |
| 7.5 | 52 | 3.7 | 25.2 | P | 9.5 | 7 | 7.6 | 36.1 | | 9.5 | | 24.1 | 6.6 | | 9.4 | | 38.8 | 49.1 | B | 9.5 | 53 | 1.9 | 6.2 | B |
| 8.9 | | 12.6 | 30.4 | | 9.0 | | 23.9 | 29.0 | K | 9.4 | | 52.4 | 57.7 | | 9.2 | | 42.3 | 38.4 | *a* | 9.5 | | 40.3 | 56.7 | B |
| 9.0 | | 17.2 | 26.0 | | 9.5 | | 47.1 | 54.1 | | 9.5 | 25 | 12.2 | 41.4 | *b* | 9.5 | | 48.6 | 36.2 | B | 9.2 | | 58.1 | 34.7 | R |
| 8.9 | | 22.1 | 35.3 | | 9.3 | | 50.6 | 48.5 | K | 8.7 | | 30.1 | 2.4 | | 8.6 | | 55.0 | 30.4 | | 9.3 | 54 | 22.4 | 56.1 | |
| 8.5 | | 42.0 | 51.9 | K | 9.4 | 8 | 13.4 | 56.7 | | 9.5 | 26 | 5.8 | 36.1 | | 7.5 | | 56.8 | 1.0 | Kb | 9.4 | | 27.3 | 48.5 | |
| 9.4 | | 53.9 | 39.8 | | 9.5 | | 18.0 | 15.8 | | 9.5 | | 18.5 | 4.2 | | 7.2 | 39 | 27.7 | 7.0 | K | 8.7 | | 33.4 | 9.3 | K |
| 9.3 | | 56.2 | 59.3 | | 9.5 | | 45.5 | 32.0 | | 9.3 | | 29.8 | 55.9 | | 8.6 | | 44.7 | 16.1 | | 9.4 | | 46.9 | 33.0 | |
| 9.4 | 53 | 5.3 | 9.9 | B | 9.0 | | 54.3 | 35.3 | | 9.5 | | 32.0 | 29.0 | | 9.5 | | 46.0 | 29.3 | | 9.5 | 55 | 4.6 | 6.6 | |
| 9.4 | | 7.6 | 34.6 | | 9.4 | 9 | 3.7 | 10.4 | *a* | 9.5 | | 40.5 | 54.8 | | 9.5 | | 56.9 | 9.0 | B | 9.5 | | 17.4 | 40.9 | |
| *9.5 | | 11.3 | 6.4 | | 9.5 | | 8.2 | 41.6 | | 9.5 | 27 | 24.5 | 0.4 | | 9.3 | 40 | 16.1 | 12.5 | *a* | 9.1 | | 19.7 | 53.2 | |
| 9.3 | | 15.6 | 55.3 | | 9.3 | | 18.2 | 9.4 | B | 9.3 | | 29.7 | 46.3 | | 9.2 | | 41.6 | 27.1 | | 9.4 | | 20.7 | 22.0 | B |
| 6.3 | 54 | 16.2 | 35.6 | L | 9.0 | | 34.3 | 16.8 | | 9.5 | 28 | 8.1 | 35.2 | | 9.5 | | 56.5 | 21.7 | | 9.5 | | 21.2 | 18.1 | |
| 9.0 | | 30.5 | 53.0 | R | 9.0 | | 40.0 | 10.2 | K | 8.8 | | 16.1 | 31.0 | K | 7.9 | 41 | 16.4 | 4.6 | K | 8.8 | | 23.6 | 32.2 | K |
| 9.2 | | 40.0 | 55.5 | R | 8.8 | | 43.0 | 21.5 | | 9.5 | | 45.5 | 11.4 | | 9.2 | | 20.4 | 58.2 | Kb | 9.3 | | 34.4 | 50.6 | |
| 9.0 | | 42.4 | 2.5 | | 9.4 | | 52.7 | 54.6 | | 9.2 | 29 | 25.5 | 36.9 | | 7.2 | 42 | 23.4 | 31.5 | L | 9.4 | 56 | 12.3 | 57.3 | αB |
| 9.5 | | 56.5 | 47.8 | | 8.0 | | 54.8 | 25.9 | K | 9.4 | | 28.1 | 53.5 | B | 9.2 | | 32.6 | 16.2 | Bb | 9.5 | | 32.0 | 2.9 | *a* |
| 9.1 | 55 | 3.1 | 25.2 | *b* | 9.5 | 10 | 8.5 | 30.0 | | 9.4 | | 51.9 | 55.3 | | 9.5 | | 46.7 | 42.3 | B | 9.4 | | 43.7 | 41.1 | B |
| 9.5 | | 30.6 | 13.6 | | 9.2 | | 14.8 | 4.5 | K | 9.4 | | 53.5 | 30.0 | | 9.5 | | 51.5 | 4.4 | | 9.5 | 57 | 4.2 | 5.5 | |
| 9.4 | | 33.2 | 41.9 | B | 9.2 | | 18.4 | 52.3 | | 9.0 | 30 | 11.5 | 6.1 | B | 8.2 | | 52.6 | 32.1 | R | 8.4 | 58 | 16.8 | 0.3 | L |
| 9.5 | | 39.6 | 42.0 | B | 9.5 | 11 | 17.8 | 47.0 | B | 9.5 | | 21.8 | 0.6 | | 9.5 | | 53.2 | 15.2 | | 9.1 | | 22.5 | 12.1 | |
| 9.4 | | 53.1 | 41.3 | | 9.5 | | 19.2 | 24.4 | | 9.0 | | 26.4 | 53.1 | Kb | 9.5 | | 57.9 | 57.8 | B | 9.5 | | 57.9 | 39.2 | |
| 8.5 | | 59.9 | 56.1 | K | 7.5 | | 39.4 | 59.9 | K | 9.5 | | 28.7 | 55.5 | | 9.5 | 43 | 15.3 | 16.5 | | 8.8 | 59 | 20.8 | 0.1 | K |
| 9.3 | 56 | 14.6 | 54.6 | B | 9.4 | | 51.5 | 21.4 | | 9.1 | | 38.0 | 18.9 | | 9.5 | | 16.5 | 3.3 | | 9.5 | | 25.9 | 22.3 | |
| 9.4 | | 16.2 | 48.7 | | 9.4 | | 56.0 | 8.1 | | 9.5 | | 58.0 | 21.6 | | 9.5 | | 29.3 | 8.0 | B | 8.9 | | 32.7 | 24.8 | B |
| 8.3 | | 23.6 | 43.6 | K | 8.3 | 12 | 21.0 | 14.3 | | 9.5 | 31 | 2.6 | 56.1 | | 9.4 | | 30.0 | 15.0 | | 9.5 | | 38.5 | 33.2 | |
| 9.5 | | 37.6 | 49.0 | | 9.0 | | 35.5 | 54.7 | | 8.9 | | 18.7 | 8.9 | K | 9.5 | | 34.5 | 29.7 | | 9.1 | 0 | 7.5 | 52.7 | *a* |
| 9.5 | 57 | 7.2 | 43.9 | | 8.4 | 13 | 5.7 | 48.7 | | 9.1 | | 33.0 | 33.8 | Bb | 9.4 | | 54.7 | 59.1 | | 6.7 | | 38.2 | 31.0 | K |
| 9.2 | | 46.6 | 8.3 | K | 9.3 | | 29.5 | 31.3 | | 9.0 | | 35.0 | 9.5 | K | 9.5 | 44 | 2.5 | 47.9 | | 9.4 | | 41.4 | 19.0 | |
| 9.1 | 58 | 19.1 | 24.4 | *a* | 9.5 | | 41.5 | 6.6 | | 8.8 | | 38.2 | 9.6 | K | 9.5 | | 6.8 | 11.0 | *a* | 7.8 | | 59.9 | 32.3 | K |
| 9.2 | | 19.9 | 12.5 | K | 9.5 | | 50.6 | 22.1 | | 9.1 | | 53.6 | 46.4 | | 9.4 | | 13.6 | 5.4 | *a* | 9.2 | 1 | 8.4 | 57.5 | Rb |
| 9.3 | | 43.7 | 51.6 | | 9.0 | | 57.7 | 34.6 | B | 9.5 | 32 | 6.3 | 55.3 | | 9.5 | 45 | 0.1 | 52.8 | | 9.3 | | 26.9 | 22.4 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *38.09* | *0.75* | | *10pr.* | | *37.97* | *0.97* | | *10pr.* | | *37.77* | *1.20* | | *10pr.* | | *37.60* | *1.39* | | *10pr.* | | *37.38* | *1.58* | |

| *1436 α* | | | | |
|---|---|---|---|---|
| *9.6* | *53* | *10.0* | *19.0* | *B* |

| 1701—1760 | | | | 1761—1820 | | | | 1821—1880 | | | | 1881—1940 | | | | 1941—2000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ | | +29° | | 8ᵘ | | +29° | | 8ᵘ—9ᵘ | | +29° | | 9ᵘ | | +29° | | 9ᵘ | | +29° | |
| m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 9.0 | 1 | 31.2 | 53.1 | 9.5 | 20 | 50.0 | 0.6 | 9.0 | 37 | 7.0 | 32.5 | 9.5 | 7 | 46.7 | 11.6 | *a* | 9.5 | 36 | 23.1 | 46.5 | |
| 9.5 | | 38.8 | 50.5 | 9.5 | 21 | 31.2 | 5.9 | 9.1 | | 18.3 | 28.7 | 9.5 | 8 | 8.7 | 36.4 | *b* | 7.4 | | 26.1 | 22.4 | K |
| 9.5 | | 41.7 | 8.0 | 9.5 | | 33.8 | 49.7 | 7.5 | | 52.4 | 17.6 | K | 7.0 | 9 | 17.3 | 11.3 | K | 9.2 | | 48.0 | 22.4 | K |
| 9.5 | 2 | 13.8 | 37.8 | B | 9.1 | | 42.5 | 26.6 | *Kb* | 4.2 | | 55.3 | 16.3 | K | 9.2 | | 25.0 | 6.5 | | 9.2 | 37 | 33.0 | 31.6 | |
| 9.1 | | 24.4 | 56.4 | *aBb* | 9.4 | 22 | 19.7 | 24.2 | | 8.4 | 38 | 28.3 | 38.2 | | 9.5 | | 51.0 | 50.7 | | 9.2 | 38 | 4.4 | 6.2 | |
| 9.1 | | 31.2 | 10.7 | B | 9.5 | | 41.1 | 15.0 | | 8.8 | 39 | 17.6 | 15.7 | K | 9.5 | 10 | 38.9 | 3.4 | B | 9.5 | 39 | 15.5 | 57.2 | |
| 9.4 | | 46.9 | 26.2 | | 9.5 | | 54.0 | 45.9 | | 9.1 | | 53.0 | 7.7 | *a* | 9.1 | | 46.0 | 54.9 | *Kb* | 9.4 | | 52.8 | 36.2 | B |
| 9.3 | 3 | 15.6 | 33.7 | | 9.5 | | 54.3 | 55.7 | | 7.5 | 40 | 56.9 | 59.3 | K | 9.1 | 12 | 36.8 | 8.2 | K | 7.6 | | 55.1 | 11.5 | B |
| 8.5 | | 24.2 | 10.0 | K | 9.5 | 23 | 7.2 | 7.3 | | 9.4 | 41 | 19.0 | 14.2 | | 9.2 | | 44.6 | 3.5 | | 9.5 | 40 | 8.6 | 9.3 | |
| 9.4 | | 31.6 | 28.8 | | 8.5 | | 22.7 | 57.9 | *Lb* | 9.5 | 42 | 47.3 | 51.7 | *a* | 7.8 | 13 | 9.0 | 7.4 | K | 9.1 | | 43.7 | 55.1 | *b* |
| 9.5 | | 32.4 | 41.6 | | 9.5 | | 24.3 | 3.9 | | 7.8 | 43 | 23.2 | 40.7 | K | 8.3 | | 13.8 | 31.2 | *B* | 9.2 | | 56.8 | 40.2 | |
| 7.8 | | 39.4 | 13.8 | K | 7.5 | | 24.3 | 48.3 | L | 8.0 | | 30.5 | 23.5 | *B* | 9.4 | | 47.3 | 20.2 | | 9.5 | 41 | 1.6 | 11.2 | |
| 8.3 | | 44.8 | 58.2 | S | 9.5 | | 51.7 | 55.5 | | 9.1 | | 45.6 | 6.1 | | 9.1 | | 50.3 | 38.5 | *ab* | 9.5 | | 26.8 | 6.7 | |
| 9.5 | | 59.0 | 11.4 | | 9.5 | 24 | 15.6 | 48.3 | | 9.5 | | 54.7 | 49.7 | | 9.4 | 15 | 41.3 | 26.8 | | 9.0 | 42 | 49.5 | 36.1 | |
| 9.5 | 4 | 1.2 | 0.8 | | 9.5 | | 16.7 | 6.6 | | 9.5 | | 56.7 | 56.4 | | 9.5 | | 52.7 | 27.1 | | 9.5 | 43 | 12.8 | 21.1 | |
| 9.3 | | 19.0 | 58.8 | | 9.3 | | 35.7 | 56.4 | | 9.0 | 44 | 0.8 | 0.5 | S | 9.0 | 16 | 29.3 | 53.7 | | 8.6 | | 40.8 | 56.6 | B |
| 9.5 | | 28.9 | 24.8 | | 9.5 | | 43.9 | 49.0 | | 8.5 | | 20.9 | 13.3 | K | 9.3 | | 34.0 | 54.5 | *a* | 9.5 | | 41.8 | 53.1 | |
| 9.5 | | 30.6 | 2.5 | | 8.5 | | 45.3 | 41.1 | K | 9.1 | | 57.1 | 40.3 | *a* | 9.5 | | 55.7 | 5.0 | | 8.9 | | 55.5 | 14.0 | |
| 9.4 | 5 | 28.9 | 38.2 | | 9.5 | 25 | 4.5 | 33.9 | | 9.5 | 45 | 15.3 | 2.4 | *a* | 8.7 | | 56.8 | 29.5 | | 9.0 | 44 | 19.1 | 40.6 | |
| 9.5 | | 53.8 | 18.6 | | 8.9 | | 54.0 | 10.7 | | 9.5 | 46 | 7.8 | 27.1 | | 8.0 | 17 | 29.6 | 16.8 | *Kb* | 9.5 | | 21.3 | 56.5 | |
| 9.5 | 6 | 25.1 | 16.3 | B | 9.5 | | 54.3 | 21.4 | | 9.3 | | 9.8 | 20.6 | B | 9.5 | | 39.3 | 15.1 | | 9.0 | | 21.6 | 51.0 | |
| 9.5 | | 59.7 | 18.5 | | 9.4 | 26 | 31.1 | 32.1 | | 9.5 | | 53.6 | 2.2 | | 9.5 | | 55.1 | 16.5 | | 9.3 | 45 | 11.2 | 28.3 | |
| 9.5 | | 59.8 | 49.0 | B | 9.5 | | 52.8 | 54.4 | | 9.5 | 47 | 7.7 | 29.4 | | 8.2 | 18 | 47.7 | 52.6 | *Kb* | 9.0 | | 17.1 | 52.4 | K |
| 9.5 | 7 | 0.6 | 33.4 | | 9.3 | 27 | 11.9 | 32.2 | | 8.8 | | 29.5 | 28.6 | | 9.5 | 19 | 48.0 | 26.6 | *a* | 8.5 | | 39.0 | 52.5 | K |
| 9.5 | | 18.4 | 50.5 | | 8.0 | | 32.3 | 11.5 | K | 8.4 | | 39.3 | 12.8 | K | 9.0 | 21 | 23.0 | 27.1 | | 9.5 | | 40.0 | 42.3 | |
| 9.3 | | 33.9 | 41.7 | | 8.7 | | 43.8 | 26.2 | B | 9.4 | 48 | 5.6 | 49.6 | | 7.9 | | 31.1 | 20.9 | K | 9.0 | | 40.3 | 9.0 | |
| 9.0 | | 54.8 | 47.2 | | 9.1 | 28 | 5.3 | 29.0 | *a* | 8.8 | | 21.4 | 46.1 | B | 8.8 | | 56.7 | 45.7 | | 9.5 | | 48.0 | 52.4 | |
| 9.4 | 8 | 5.3 | 58.6 | | 9.5 | | 25.5 | 1.5 | | 9.5 | 50 | 44.0 | 54.7 | | 8.8 | 22 | 35.1 | 55.3 | *Kb* | 9.5 | 46 | 2.5 | 19.2 | |
| 9.3 | | 56.8 | 37.0 | B | 9.5 | | 37.7 | 34.8 | | 8.0 | 51 | 4.4 | 33.9 | K | 9.5 | | 41.3 | 20.9 | | 8.0 | | 14.6 | 22.9 | K |
| 8.0 | 9 | 18.4 | 31.7 | K | 9.4 | | 54.7 | 45.2 | | 9.5 | | 20.7 | 36.4 | | 9.5 | 23 | 45.9 | 34.6 | | 8.9 | | 29.8 | 42.3 | |
| 8.8 | | 33.7 | 12.3 | | 9.4 | 29 | 31.6 | 8.0 | | 8.0 | | 39.1 | 13.3 | *Kb* | 9.5 | 24 | 0.0 | 18.5 | | 9.2 | 47 | 40.4 | 46.9 | B |
| 9.5 | | 55.5 | 6.6 | | 9.4 | | 52.3 | 3.5 | | 9.1 | 52 | 6.3 | 38.1 | *a* | 9.5 | | 17.8 | 58.4 | | 9.3 | | 52.1 | 22.0 | |
| 9.5 | 11 | 7.0 | 7.0 | | 9.2 | | 55.0 | 31.1 | | 9.0 | | 16.7 | 48.1 | | 7.0 | | 49.0 | 0.6 | K | 8.9 | 48 | 32.6 | 44.7 | |
| 9.5 | | 9.3 | 25.8 | | 9.3 | | 55.7 | 26.6 | | 9.3 | | 55.7 | 31.8 | B | 8.8 | | 58.2 | 31.0 | | 9.0 | | 34.5 | 7.4 | |
| 9.3 | | 27.3 | 58.5 | *aBb* | 9.2 | 30 | 18.3 | 11.2 | | 9.5 | 53 | 20.3 | 59.6 | | 9.5 | 26 | 55.7 | 1.0 | | 7.5 | | 53.5 | 14.8 | K |
| 9.3 | | 43.9 | 44.2 | | 9.2 | | 33.8 | 28.3 | | 9.4 | | 38.0 | 46.3 | | 9.5 | 27 | 40.0 | 7.2 | | 9.0 | | 59.7 | 47.1 | |
| 9.5 | 12 | 8.0 | 21.8 | | 8.6 | 31 | 2.3 | 0.3 | K | 8.8 | | 42.7 | 40.5 | | 9.3 | | 58.0 | 6.2 | | 8.3 | 49 | 6.0 | 50.9 | K |
| 9.5 | | 29.4 | 27.0 | | 8.4 | | 14.0 | 47.3 | K | 8.2 | | 58.2 | 56.7 | K | 9.3 | 28 | 5.1 | 12.7 | | 9.5 | | 34.6 | 2.6 | |
| 8.3 | | 39.7 | 15.3 | R | 9.4 | | 15.4 | 26.3 | B | 8.7 | 54 | 38.5 | 57.2 | | 9.2 | | 5.4 | 33.1 | B | 8.6 | 50 | 0.1 | 16.7 | K |
| 9.5 | | 57.5 | 52.5 | | 9.5 | | 30.0 | 1.1 | | 8.0 | 55 | 41.4 | 51.2 | K | 9.5 | | 5.9 | 53.8 | | 8.8 | | 5.9 | 30.8 | K |
| 9.5 | 13 | 23.0 | 29.7 | | 9.4 | | 37.0 | 13.7 | | 9.0 | | 42.6 | 16.3 | B | 9.5 | | 24.0 | 17.5 | | 9.3 | | 15.3 | 25.7 | |
| 9.5 | | 28.6 | 58.2 | | 9.3 | | 51.4 | 12.8 | B | 9.5 | 56 | 6.0 | 47.0 | | 9.5 | | 35.5 | 38.8 | | 9.3 | | 38.8 | 51.3 | |
| 9.5 | | 45.5 | 52.7 | | 8.5 | | 55.8 | 4.9 | K | 9.3 | | 6.9 | 17.8 | | 9.5 | | 50.1 | 54.7 | | 8.8 | 51 | 17.6 | 38.8 | K |
| 9.5 | 14 | 53.0 | 29.3 | | 8.6 | 32 | 3.7 | 42.1 | K | 9.5 | | 38.1 | 48.0 | | 9.0 | 30 | 19.2 | 36.3 | B | 9.3 | | 39.1 | 27.5 | |
| 9.4 | 15 | 6.3 | 42.8 | | 9.5 | | 17.6 | 39.4 | *a* | 8.5 | | 58.5 | 16.8 | | 9.5 | | 23.1 | 3.8 | | 9.3 | | 46.6 | 56.0 | |
| 9.4 | | 13.8 | 53.6 | | 9.0 | | 32.7 | 23.8 | K | 9.5 | 57 | 25.3 | 27.4 | | 9.0 | 31 | 34.9 | 19.3 | K | 7.2 | 52 | 57.7 | 28.7 | *Bb* |
| 8.6 | | 25.0 | 12.2 | | 9.0 | | 37.1 | 20.5 | K | 9.5 | | 34.2 | 33.6 | | 9.3 | | 36.7 | 2.7 | | 8.6 | 53 | 11.7 | 15.4 | K |
| 9.2 | 16 | 8.7 | 1.5 | *a* | 9.5 | | 37.9 | 54.1 | | 9.5 | | 58.5 | 25.0 | | 9.5 | | 44.0 | 51.9 | ? | 8.5 | | 19.6 | 12.6 | K |
| 9.5 | | 40.4 | 4.7 | | 9.3 | 33 | 9.0 | 51.0 | | 9.4 | 58 | 34.3 | 38.8 | | 9.5 | 32 | 9.5 | 1.4 | | 9.5 | 56 | 49.6 | 27.2 | |
| 9.5 | | 50.5 | 53.1 | | 9.0 | | 10.3 | 24.5 | K | 9.4 | 59 | 28.6 | 42.6 | | 9.4 | | 32.2 | 58.4 | | 8.5 | 57 | 20.7 | 25.6 | K |
| 9.5 | | 53.7 | 5.3 | | 8.7 | | 20.0 | 11.2 | *Kb* | 9.5 | 0 | 51.7 | 39.5 | | 9.5 | | 54.1 | 13.0 | | 9.0 | | 23.4 | 19.9 | K |
| 9.4 | 17 | 7.3 | 2.2 | | 9.5 | | 21.5 | 24.5 | *a* | 9.0 | 1 | 40.7 | 20.8 | | 9.5 | 33 | 11.1 | 59.2 | | 9.5 | | 24.8 | 59.5 | |
| 7.7 | | 14.4 | 5.9 | K | 9.4 | | 21.5 | 49.3 | *a* | 9.5 | | 45.7 | 51.2 | *a* | 7.8 | | 15.1 | 31.7 | K | 9.4 | | 37.5 | 41.6 | |
| 9.4 | 18 | 21.3 | 22.8 | | 9.5 | | 30.8 | 46.7 | | 8.0 | | 54 4 | 39.5 | K | 9.5 | | 30.4 | 28.1 | | 9.5 | 58 | 11.9 | 14.6 | B |
| 8.8 | | 58.8 | 33.1 | K | 9.0 | | 34.3 | 58.3 | K | 9.2 | 2 | 1.5 | 20.1 | B | 9.4 | | 33.0 | 32.1 | | 9.5 | | 23.0 | 0.2 | |
| 9.4 | 19 | 27.4 | 56.9 | | 9.2 | | 35.2 | 45.5 | B | 9.0 | | 4.3 | 5.0 | | 8.4 | | 39.1 | 22.1 | *Kb* | 9.5 | | 27.0 | 9.6 | |
| 9.4 | | 46.3 | 34.5 | | 8.8 | | 53.0 | 54.3 | K | 9.4 | | 13.1 | 10.6 | | 9.5 | 34 | 51.1 | 2.5 | | 9.5 | | 29.0 | 35.3 | |
| 9.0 | 20 | 20.1 | 2.6 | K | 9.1 | 34 | 49.1 | 45.8 | K | 9.3 | | 45.1 | 59.0 | | 9.2 | 35 | 36.7 | 53.6 | *b* | 8.9 | | 38.9 | 37.2 | |
| 8.0 | | 21.5 | 58.0 | K | 8.8 | 36 | 19.9 | 8.1 | | 8.0 | 3 | 18.4 | 27.8 | *Kb* | 8.5 | | 48.0 | 27.8 | K | 9.0 | | 40.9 | 11.9 | B |
| 9.3 | | 29.8 | 49.7 | | 8.5 | | 44.0 | 46.6 | K | 9.5 | 5 | 32.6 | 36.0 | *b* | 9.3 | 36 | 6.6 | 13.0 | | 8.0 | | 55.8 | 57.0 | *B* |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *37.11* | *1.79* | | *10pr.* | | *36.74* | *2.02* | | *10pr.* | | *36.27* | *2.27* | | *10pr.* | | *35.48* | *2.59* | | *10pr.* | | *34.86* | *2.80* | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ᵘ—10ᵘ | | +29° | | | 10ᵘ | | +29° | | | 10ᵘ—11ᵘ | | +29° | | | 11ᵘ | | +29° | | | 11ᵘ—12ᵘ | | +29° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 59 | 42.4 | 27.9 | a | 9.1 | 25 | 22.0 | 37.3 | Kb | 9.5 | 57 | 21.8 | 19.0 | a | 9.5 | 26 | 29.0 | 20.8 | | 9.2 | 51 | 32.2 | 49.2 | |
| 9.1 | | 46.7 | 57.7 | | 8.4 | 27 | 35.6 | 51.4 | Kb | 8.8 | | 35.8 | 46.5 | K | 9.4 | 27 | 15.1 | 25.6 | | 8.6 | | 46.3 | 33.6 | |
| 9.5 | 0 | 19.1 | 47.5 | | 9.3 | | 45.1 | 46.5 | | 8.8 | 59 | 2.0 | 10.9 | Kb | 9.4 | | 48.3 | 57.7 | | 9.1 | 52 | 22.9 | 22.9 | K |
| 9.5 | 1 | 16.6 | 24.1 | | 9.5 | | 49.7 | 53.0 | | 9.5 | 0 | 33.3 | 52.3 | | 9.5 | 28 | 9.8 | 39.7 | | 9.4 | 53 | 13.4 | 53.9 | |
| 9.5 | | 38.7 | 2.8 | | 9.5 | | 56.0 | 32.3 | | 9.0 | | 39.3 | 3.8 | K | 9.5 | | 24.6 | 15.9 | | 7.7 | | 21.2 | 59.9 | L |
| 8.8 | 2 | 4.0 | 6.0 | | 9.4 | 29 | 22.5 | 59.2 | a | 9.0 | | 53.8 | 48.6 | | 9.2 | | 41.8 | 16.4 | Bb | 9.1 | | 46.6 | 33.6 | b |
| 9.4 | | 4.9 | 50.4 | | 9.4 | | 24.9 | 2.5 | | 9.1 | 1 | 18.3 | 59.2 | | 9.5 | 29 | 46.8 | 41.3 | | 9.0 | 54 | 55.3 | 58.5 | Kb |
| 9.5 | | 40.7 | 17.5 | B | 9.1 | | 31.0 | 52.4 | b | 9.1 | | 32.6 | 4.3 | a | 9.5 | 30 | 14.1 | 17.5 | B | 9.5 | | 57.9 | 10.8 | B |
| 9.4 | 3 | 32.2 | 33.0 | Bb | 9.5 | | 58.6 | 54.0 | ? | 9.4 | 2 | 12.6 | 27.5 | B | 9.4 | | 27.8 | 31.1 | | 9.4 | 55 | 32.9 | 54.2 | |
| 9.3 | | 52.1 | 36.4 | | 9.5 | 30 | 55.3 | 16.0 | B | 9.1 | | 21.4 | 43.4 | K | 9.4 | | 55.3 | 6.7 | | 9.4 | | 50.4 | 50.9 | |
| 9.4 | 4 | 26.4 | 3.9 | a | 8.7 | | 58.9 | 57.1 | | 9.5 | | 34.0 | 24.0 | | 9.3 | | 56.5 | 17.6 | Bb | 8.0 | | 52.7 | 55.9 | Kb |
| 8.3 | | 53.6 | 0.4 | K | 9.1 | 31 | 17.1 | 3.8 | | 9.4 | 3 | 28.1 | 52.8 | | 9.5 | 31 | 21.1 | 9.3 | | 7.8 | 58 | 6.3 | 19.4 | K |
| 9.4 | | 54.1 | 58.1 | | 8.1 | | 26.5 | 30.3 | K | 9.4 | | 48.8 | 6.5 | Bb | 9.3 | 32 | 15.3 | 11.5 | | 8.3 | | 11.6 | 5.7 | K |
| 9.1 | 5 | 9.3 | 27.1 | Bb | 9.2 | | 37.8 | 7.1 | | 9.5 | | 50.4 | 56.0 | | 9.5 | | 27.9 | 54.7 | | 8.9 | | 31.2 | 46.3 | |
| 8.5 | | 54.6 | 23.4 | | 9.4 | 32 | 0.8 | 8.0 | | 9.5 | 4 | 48.3 | 26.6 | | 9.5 | 33 | 24.8 | 15.3 | | 9.2 | 0 | 7.9 | 28.4 | b |
| 9.0 | | 55.7 | 49.3 | | 9.4 | | 9.4 | 2.1 | | 9.5 | 5 | 30.7 | 4.5 | | 9.0 | 34 | 2.3 | 39.6 | | 9.5 | | 17.4 | 50.8 | |
| 8.5 | | 56.8 | 5.7 | K | 8.6 | | 42.1 | 44.3 | | 9.5 | 6 | 7.4 | 54.6 | | 9.3 | | 28.1 | 6.5 | | 9.5 | 1 | 10.9 | 38.5 | |
| 9.3 | 6 | 4.0 | 29.2 | | 8.2 | 33 | 8.6 | 19.2 | K | 9.5 | | 15.8 | 44.8 | | 9.2 | 35 | 19.8 | 20.4 | | 8.8 | 2 | 4.8 | 0.7 | K |
| 9.1 | | 39.1 | 9.2 | a | 9.2 | | 12.7 | 0.2 | | 9.5 | 7 | 7.3 | 48.5 | | 9.5 | | 33.3 | 42.7 | | 9.0 | | 27.8 | 43.7 | L |
| 9.5 | 7 | 58.6 | 32.6 | | 9.3 | | 33.9 | 58.5 | | 8.8 | 8 | 0.4 | 13.6 | b | 9.5 | | 38.1 | 58.7 | | 9.4 | | 33.7 | 42.3 | B |
| 6.8 | 8 | 14.1 | 23.4 | K | 9.1 | | 35.0 | 35.8 | Kb | 9.5 | | 8.3 | 5.0 | | 8.3 | | 56.2 | 49.4 | K | 9.3 | | 58.8 | 7.3 | |
| 9.2 | 9 | 9.5 | 9.1 | | 9.5 | | 53.8 | 1.5 | | 9.5 | | 30.2 | 50.2 | B | 9.1 | 36 | 21.8 | 57.6 | | 9.4 | 3 | 0.9 | 3.5 | |
| 9.5 | | 14.0 | 13.8 | | 8.2 | 34 | 17.0 | 46.4 | K | 9.5 | | 45.6 | 2.5 | | 9.3 | | 59.4 | 56.4 | | 7.2 | | 7.4 | 52.2 | Kb |
| 9.5 | | 18.6 | 21.0 | B | 8.0 | | 52.0 | 34.4 | K | 8.6 | 12 | 12.8 | 35.9 | K | 9.2 | 37 | 4.8 | 14.0 | B | 9.0 | | 51.9 | 55.0 | |
| 9.4 | 10 | 16.5 | 22.8 | a | 9.5 | | 56.0 | 6.8 | | 9.1 | | 12.8 | 40.3 | K | 9.5 | | 8.2 | 11.7 | | 6.7 | 4 | 38.4 | 20.9 | K |
| 9.5 | | 51.1 | 19.1 | B | 9.5 | 35 | 25.3 | 34.3 | | 9.5 | | 22.1 | 11.3 | | 7.0 | | 9.8 | 27.9 | Kb | 9.5 | 5 | 10.5 | 11.4 | B |
| 9.3 | 11 | 49.0 | 33.0 | | 7.9 | | 28.7 | 27.4 | K | 7.5 | | 23.6 | 7.0 | K | 9.4 | | 16.5 | 13.9 | B | 7.9 | | 42.9 | 26.3 | K |
| 8.6 | | 49.9 | 8.9 | | 9.5 | 38 | 29.8 | 24.3 | aB | 9.5 | | 24.1 | 13.8 | | 9.3 | | 40.8 | 24.0 | | 8.5 | 6 | 33.8 | 6.1 | L |
| 8.8 | | 53.0 | 57.3 | | 9.5 | | 45.8 | 4.3 | | 9.5 | 14 | 8.8 | 32.5 | a | 9.1 | 38 | 14.3 | 23.5 | K | 8.4 | 7 | 31.7 | 26.3 | K |
| 7.3 | 12 | 26.8 | 39.9 | K | 8.8 | 39 | 18.4 | 4.4 | | 9.5 | | 41.6 | 1.5 | | 8.5 | | 24.8 | 28.7 | K | 9.3 | | 58.2 | 54.5 | |
| 9.3 | | 27.5 | 1.8 | | 9.2 | | 20.5 | 12.3 | b | 9.4 | 15 | 1.4 | 26.2 | | 9.5 | | 41.3 | 52.0 | | 9.0 | 8 | 30.3 | 36.3 | L |
| 9.4 | | 37.5 | 14.7 | B | 9.5 | | 28.8 | 57.3 | ? | 9.5 | | 12.0 | 8.8 | B | 9.5 | | 42.1 | 4.1 | | 8.9 | | 56.3 | 38.8 | L |
| 7.9 | 13 | 17.2 | 15.7 | K | 9.1 | 41 | 51.7 | 25.0 | b | 8.0 | | 56.5 | 30.8 | B | 9.0 | 39 | 13.4 | 40.0 | | 9.5 | 9 | 20.1 | 5.2 | |
| 9.5 | | 23.8 | 54.6 | B | 9.5 | 42 | 44.7 | 27.7 | | 9.5 | 16 | 31.8 | 4.0 | | 6.8 | 40 | 53.3 | 13.6 | K | 8.5 | 10 | 1.1 | 32.1 | Kb |
| 9.4 | | 39.2 | 59.6 | | 9.5 | 43 | 8.6 | 8.1 | B | 8.5 | | 48.3 | 34.8 | K | 9.5 | 41 | 3.0 | 4.8 | | 5.8 | | 14.0 | 45.2 | K |
| 9.0 | 14 | 22.6 | 46.1 | | 9.1 | | 14.4 | 15.4 | K | 8.5 | 17 | 18.9 | 44.1 | K | 6.8 | | 3.8 | 36.4 | K | 9.4 | | 41.3 | 27.2 | |
| 9.5 | | 30.0 | 2.1 | B | 9.5 | | 27.7 | 45.7 | | 9.0 | | 34.3 | 47.9 | K | 9.5 | | 46.4 | 20.8 | | 9.4 | | 43.0 | 49.4 | B |
| 9.3 | | 50.1 | 26.1 | | 9.5 | 44 | 10.7 | 12.0 | B | 9.3 | | 42.4 | 14.3 | | 9.4 | 42 | 11.1 | 50.1 | | 9.5 | | 58.7 | 46.5 | |
| 9.4 | | 53.5 | 39.2 | | 9.4 | | 18.8 | 47.4 | | 9.0 | | 52.3 | 43.8 | K | 9.5 | | 17.3 | 35.5 | | 9.5 | 12 | 11.3 | 11.1 | |
| 9.2 | 15 | 19.0 | 53.4 | B | 9.5 | | 49.0 | 10.1 | | 7.2 | 19 | 14.3 | 13.6 | K | 9.5 | 43 | 43.3 | 25.2 | | 7.0 | | 35.0 | 15.9 | K |
| 9.5 | | 23.0 | 59.3 | | 9.5 | 45 | 17.4 | 42.3 | a | 9.5 | | 16.8 | 55.1 | | 9.5 | | 52.3 | 44.6 | | 9.5 | 13 | 40.7 | 9.7 | |
| 9.3 | | 53.5 | 45.1 | a | 8.6 | 46 | 33.1 | 40.9 | | 9.1 | | 30.4 | 1.5 | K | 9.5 | 44 | 12.3 | 50.6 | B | 9.5 | 14 | 36.7 | 22.4 | |
| 9.4 | 16 | 19.3 | 19.6 | B | 9.5 | | 36.6 | 17.4 | B | 9.5 | | 40.8 | 30.0 | | 9.3 | | 49.7 | 6.4 | | 9.5 | 15 | 42.2 | 8.3 | |
| 9.5 | 17 | 10.1 | 15.0 | | 9.2 | 47 | 22.3 | 1.1 | ab | 9.5 | 20 | 2.4 | 29.7 | | 9.5 | | 50.8 | 54.1 | | 9.1 | 16 | 56.4 | 12.6 | Bb |
| 9.3 | 18 | 33.7 | 47.9 | b | 9.3 | | 25.8 | 23.8 | a | 9.5 | | 34.3 | 37.2 | | 8.4 | 45 | 14.1 | 13.5 | Kb | 9.4 | 17 | 3.8 | 8.3 | B |
| 8.5 | | 38.7 | 6.6 | K | 9.5 | 48 | 31.8 | 36.1 | | 9.1 | 21 | 34.0 | 38.2 | b | 9.0 | | 38.3 | 19.0 | | 9.4 | | 10.7 | 56.5 | |
| 9.4 | 19 | 23.0 | 48.3 | B | 9.5 | | 56.0 | 5.6 | B | 9.5 | | 37.7 | 9.3 | B | 9.5 | | 51.5 | 57.7 | | 9.1 | 18 | 8.2 | 26.3 | |
| 9.1 | | 29.7 | 9.7 | B | 8.8 | 49 | 10.3 | 43.4 | K | 9.1 | 22 | 1.8 | 46.1 | K | 9.5 | 47 | 25.9 | 32.8 | | 4.7 | 19 | 43.7 | 4.9 | Kb |
| 9.4 | | 57.3 | 57.7 | | 9.5 | | 12.0 | 26.3 | a | 9.4 | | 26.0 | 8.3 | | 9.0 | | 45.4 | 19.7 | | 9.5 | 20 | 21.8 | 45.4 | |
| 8.9 | 20 | 6.7 | 7.3 | K | 7.8 | 52 | 53.1 | 59.8 | Kb | 9.4 | | 27.3 | 10.4 | | 9.5 | 48 | 17.4 | 17.7 | | 9.1 | | 32.2 | 0.1 | K |
| 9.4 | | 26.1 | 44.2 | B | 9.5 | 53 | 5.0 | 36.2 | | 9.5 | | 30.0 | 27.0 | B | 9.1 | | 22.8 | 14.7 | Bb | 9.4 | 21 | 9.3 | 32.4 | |
| 9.4 | | 30.2 | 9.0 | | 8.8 | 54 | 3.8 | 18.3 | K | 9.5 | | 57.3 | 46.2 | B | 9.5 | | 35.1 | 55.3 | | 8.5 | | 43.7 | 41.4 | K |
| 9.5 | | 48.3 | 42.0 | B | 9.1 | | 52.2 | 7.8 | b | 9.5 | 23 | 5.1 | 41.9 | | 9.3 | | 40.3 | 15.2 | a | 9.0 | | 54.7 | 5.3 | K |
| 9.5 | 21 | 10.0 | 48.2 | | 9.5 | 55 | 5.1 | 57.2 | | 9.3 | | 9.8 | 34.8 | | 7.0 | | 46.5 | 40.2 | K | 9.0 | 22 | 58.8 | 12.2 | |
| 9.4 | | 22.0 | 29.2 | B | 9.2 | | 15.4 | 46.3 | B | 9.5 | | 12.3 | 8.0 | | 9.5 | 49 | 20.2 | 21.3 | | 9.5 | 24 | 24.2 | 31.0 | B |
| 8.0 | | 39.5 | 16.4 | K | 7.0 | | 17.3 | 43.1 | K | 6.8 | | 14.6 | 14.9 | L | 9.5 | 50 | 0.8 | 5.7 | | 9.0 | | 24.3 | 13.5 | |
| 7.0 | | 46.5 | 19.2 | K | 9.0 | 56 | 31.4 | 8.0 | | 8.8 | | 52.8 | 48.2 | K | 7.8 | | 7.6 | 21.9 | K | 9.4 | 26 | 2.6 | 53.8 | B |
| 9.0 | 22 | 43.6 | 23.3 | B | 9.0 | | 37.1 | 19.7 | | 9.3 | 24 | 25.5 | 38.7 | | 9.5 | | 31.7 | 57.6 | | 9.5 | | 14.1 | 46.8 | |
| 9.5 | 23 | 33.8 | 55.7 | | 9.4 | | 37.4 | 46.9 | B | 7.5 | | 44.3 | 51.7 | K | 9.5 | | 48.9 | 25.0 | | 9.5 | 27 | 9.2 | 17.3 | |
| 8.8 | | 49.6 | 23.7 | | 8.0 | | 42.4 | 57.7 | Kb | 9.4 | 26 | 0.4 | 41.7 | | 9.5 | | 51.1 | 48.0 | | 9.0 | | 12.1 | 7.6 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 34.14 | 2.98 | | 10pr. | | 33.33 | 3.14 | | 10pr. | | 32.20 | 3.27 | | 10pr. | | 31.43 | 3.33 | | 10pr. | | 30.45 | 3.34 | |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ | | +29° | | | 12ᵘ—13ᵘ | | +29° | | | 13ᵘ | | +29° | | | 13ᵘ—14ᵘ | | +29° | | | 14ᵘ | | +29° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 7.8 | 27 | 39.7 | 53.1 | K | | 9.5 | 56 | 47.0 | 24.9 | | 8.8 | 24 | 31.0 | 42.8 | K | 9.5 | 52 | 36.8 | 39.7 | | 9.5 | 23 | 53.8 | 42.1 | |
| 9.4 | | 49.0 | 58.4 | | | 9.2 | 58 | 16.0 | 9.9 | K | 9.5 | | 58.6 | 57.7 | | 9.0 | 53 | 40.0 | 8.7 | K | 9.2 | | 54.0 | 14.6 | K |
| 7.6 | 28 | 17.7 | 38.0 | L | | 9.0 | | 59.2 | 43.4 | Kb | 8.5 | 25 | 18.4 | 19.8 | L | 7.5 | 54 | 46.7 | 6.0 | K | 9.5 | 25 | 13.7 | 52.8 | |
| 9.5 | | 20.8 | 57.6 | | | 8.9 | 59 | 3.3 | 2.0 | | 9.5 | | 56.7 | 34.2 | | 9.4 | 56 | 53.0 | 20.7 | | 9.4 | | 21.0 | 30.2 | B |
| 8.8 | | 42.7 | 29.1 | L | | 6.8 | | 16.7 | 49.3 | K | 9.5 | | 58.1 | 3.1 | | 9.3 | 57 | 37.9 | 35.1 | K | 9.0 | | 39.3 | 15.6 | |
| 9.1 | 30 | 19.9 | 1.0 | K | | 9.5 | | 28.0 | 3.6 | | 9.3 | 26 | 5.4 | 39.0 | | 8.0 | | 58.5 | 49.5 | K | 9.3 | | 55.6 | 45.8 | a |
| 8.1 | | 30.8 | 25.6 | K | | 9.5 | | 38.8 | 38.1 | | 9.3 | 27 | 5.7 | 53.8 | | 9.0 | 58 | 23.2 | 56.9 | | 9.1 | 26 | 5.3 | 23.1 | |
| 8.5 | 31 | 23.7 | 23.3 | K | | 9.0 | | 52.7 | 23.1 | | 9.5 | | 28.0 | 19.4 | a | 9.0 | | 23.9 | 44.1 | Kb | 9.5 | | 16.4 | 7.1 | |
| 9.1 | | 30.9 | 44.2 | Bb | | 8.3 | 0 | 13.3 | 29.3 | L | 9.5 | | 32.5 | 9.4 | | neb | | 54.4 | 12.8 | | 9.5 | 27 | 12.3 | 4.9 | |
| 9.3 | | 32.5 | 33.3 | | | 9.4 | | 19.9 | 31.8 | a | 9.3 | | 34.5 | 14.4 | B | 9.1 | 59 | 54.5 | 34.8 | K | 8.6 | | 26.7 | 45.8 | K |
| 9.5 | | 43.8 | 59.8 | | | 9.5 | 1 | 7.2 | 15.9 | | 8.3 | | 56.4 | 34.5 | K | 9.4 | 0 | 10.6 | 11.7 | | 9.0 | | 30.4 | 22.1 | |
| 9.3 | 32 | 0.2 | 2.4 | K | | 9.2 | | 11.0 | 33.0 | K | 8.5 | 28 | 32.3 | 53.1 | K | 9.3 | | 11.5 | 33.7 | B | 8.9 | | 37.0 | 29.5 | |
| 9.3 | 33 | 4.3 | 2.0 | K | | 8.5 | 2 | 16.1 | 27.3 | B | 9.3 | | 44.0 | 16.3 | | 7.0 | | 26.0 | 7.3 | L | 8.1 | | 56.3 | 7.1 | L |
| 9.5 | | 52.9 | 58.9 | | | 8.5 | 3 | 3.7 | 35.5 | Kb | 9.4 | 29 | 32.6 | 27.1 | | 9.5 | | 27.3 | 32.4 | a | 9.5 | 28 | 3.9 | 32.0 | B |
| 9.5 | | 57.2 | 10.1 | | | 8.6 | | 53.2 | 18.7 | | 8.9 | | 57.5 | 31.1 | B | 8.9 | | 34.3 | 57.8 | Kb | 8.0 | | 24.1 | 1.3 | K |
| 9.0 | 35 | 7.7 | 25.2 | | | 8.8 | | 56.8 | 26.3 | | 8.6 | 30 | 12.0 | 14.2 | | 9.4 | 1 | 9.9 | 55.3 | a | 9.5 | | 49.4 | 8.0 | B |
| 9.3 | | 22.8 | 53.2 | a | | 9.5 | | 57.2 | 45.6 | B | 9.5 | | 13.4 | 26.3 | | 9.5 | | 18.7 | 15.5 | | 9.0 | 30 | 16.2 | 7.0 | K |
| 8.6 | | 30.0 | 57.6 | | | 8.4 | 4 | 0.2 | 7.9 | | 9.5 | | 33.2 | 26.3 | | 9.0 | | 58.9 | 50.8 | Kb | 9.5 | | 47.7 | 56.5 | |
| 7.5 | | 32.2 | 10.4 | Lb | | 8.5 | | 36.7 | 38.3 | K | 9.5 | | 34.2 | 22.0 | B | 8.8 | 2 | 2.5 | 39.5 | | 9.5 | | 48.6 | 24.9 | |
| 8.0 | 37 | 40.1 | 38.3 | L | | 9.3 | 5 | 57.2 | 43.3 | K | 9.2 | 31 | 4.7 | 3.5 | K | 9.3 | | 18.3 | 53.4 | K | 8.9 | | 59.0 | 8.3 | K |
| 9.2 | 38 | 15.2 | 29.0 | K | | 9.4 | 6 | 14.9 | 24.3 | B | 9.5 | | 58.6 | 59.0 | aB | 9.5 | | 50.0 | 41.0 | | 9.2 | 31 | 17.8 | 39.0 | b |
| 9.2 | | 22.8 | 24.8 | K | | 9.1 | | 32.4 | 5.4 | ab | 9.5 | 32 | 3.0 | 55.2 | | 9.3 | 3 | 38.1 | 4.8 | | 9.0 | 32 | 8.3 | 33.2 | K |
| 9.0 | | 28.8 | 36.9 | L | | 9.2 | | 39.9 | 25.6 | | 9.1 | | 21.7 | 46.6 | K | 9.2 | | 49.0 | 50.8 | K | 9.5 | | 19.3 | 58.7 | |
| 9.3 | | 59.8 | 29.3 | K | | 9.5 | 8 | 33.4 | 15.5 | | 9.0 | 33 | 11.5 | 5.1 | B | 9.4 | 4 | 38.2 | 35.8 | | 9.3 | 33 | 42.1 | 6.9 | B |
| 8.8 | 39 | 0.3 | 46.3 | L | | 7.5 | | 45.0 | 30.8 | K | 9.3 | | 18.2 | 21.5 | B | 7.2 | 5 | 59.4 | 25.0 | K | 8.2 | | 51.0 | 2.4 | K |
| 9.5 | 41 | 49.2 | 57.0 | a | | 8.2 | 10 | 6.7 | 49.3 | K | 8.2 | | 35.7 | 46.9 | K | 9.1 | 7 | 5.0 | 40.1 | | 8.2 | | 59.2 | 36.6 | R |
| 9.5 | 42 | 5.0 | 15.6 | | | 9.5 | | 31.2 | 26.2 | | 9.2 | 34 | 25.4 | 27.5 | a | 9.5 | | 24.5 | 35.7 | | 9.5 | 35 | 1.8 | 50.8 | |
| 8.9 | | 41.6 | 56.7 | K | | 9.5 | | 54.0 | 36.2 | | 9.1 | 35 | 4.9 | 11.3 | K | 7.0 | | 26.5 | 48.3 | K | 7.8 | | 7.2 | 41.7 | K |
| 8.8 | 44 | 13.8 | 8.8 | K | | 8.8 | 11 | 36.1 | 13.2 | | 9.4 | | 5.1 | 30.0 | B | 8.0 | 8 | 3.3 | 45.7 | K | 9.5 | | 55.4 | 19.7 | |
| 8.4 | | 17.8 | 39.0 | K | | *9.5 | 12 | 4.0 | 40.0 | | neb | | 29.1 | 6.7 | K | 9.0 | | 26.5 | 42.0 | K | 8.1 | 36 | 37.2 | 43.1 | K |
| 8.9 | | 30.7 | 36.2 | B | | 7.5 | | 13.0 | 20.7 | L | 9.5 | | 32.6 | 55.7 | | 8.6 | 9 | 0.2 | 16.7 | K | 9.5 | | 46.4 | 24.5 | |
| 9.4 | | 54.0 | 39.4 | | | 9.5 | | 56.5 | 3.2 | | 9.5 | | 47.5 | 16.6 | | 9.1 | | 30.8 | 10.9 | K | 9.5 | 37 | 10.0 | 58.1 | |
| 8.5 | 45 | 24.7 | 38.2 | K | | 9.5 | 13 | 15.2 | 27.0 | | 9.5 | 37 | 17.5 | 23.3 | | 9.3 | | 37.9 | 53.2 | | 9.3 | | 18.4 | 47.1 | B |
| 7.7 | 46 | 13.7 | 47.6 | K | | 9.4 | 14 | 8.4 | 24.2 | | 8.1 | | 51.6 | 43.0 | Kb | 9.4 | 10 | 2.0 | 39.0 | B | 9.5 | | 35.5 | 47.0 | B |
| 9.5 | 47 | 15.0 | 59.6 | | | 9.5 | | 29.7 | 35.7 | | 9.3 | 38 | 16.6 | 46.4 | K | 8.6 | | 7.5 | 21.0 | K | 9.0 | 39 | 8.4 | 47.3 | L |
| 8.9 | | 16.2 | 13.8 | | | 9.5 | | 37.7 | 54.5 | | 9.4 | 39 | 13.9 | 9.3 | | 9.1 | | 17.5 | 36.1 | K | 9.5 | | 57.0 | 49.6 | |
| 9.1 | | 17.8 | 33.5 | | | 9.4 | | 45.3 | 44.4 | B | 9.5 | 40 | 34.0 | 21.6 | b | 9.5 | | 32.1 | 32.9 | | 9.5 | 40 | 17.3 | 31.4 | |
| 9.1 | | 41.0 | 45.9 | b | | 9.5 | | 47.8 | 54.0 | | 9.5 | 42 | 50.2 | 42.6 | | 9.2 | | 44.0 | 13.2 | B | 9.5 | | 57.3 | 8.7 | B |
| 9.0 | 48 | 2.2 | 31.4 | | | 9.5 | 15 | 34.2 | 48.3 | | 9.0 | 43 | 19.9 | 47.9 | K | 9.4 | 11 | 13.6 | 50.0 | | 9.5 | 41 | 14.5 | 29.7 | |
| 8.0 | | 2.3 | 1.9 | L | | 8.9 | | 35.4 | 53.8 | | 9.0 | | 26.2 | 52.1 | K | 9.5 | | 26.5 | 27.3 | | 9.5 | 43 | 41.9 | 38.6 | |
| 9.4 | | 5.2 | 47.2 | | | 9.0 | | 43.2 | 16.3 | | 9.6 | | 59.1 | 2.5 | | 9.2 | | 33.9 | 22.0 | K | 6.2 | | 43.0 | 12.8 | K |
| 9.5 | | 17.5 | 53.2 | | | 9.2 | | 59.0 | 37.9 | K | 9.4 | 45 | 38.2 | 49.5 | | 9.1 | | 38.8 | 58.2 | aBb | 9.5 | 44 | 11.0 | 35.8 | B |
| 9.3 | | 56.8 | 53.8 | | | 8.8 | 16 | 9.7 | 16.0 | L | 9.5 | 46 | 6.3 | 54.4 | | 9.1 | | 41.5 | 2.5 | K | 9.5 | | 28.4 | 56.4 | |
| 9.2 | 49 | 33.1 | 56.1 | | | 8.8 | | 15.4 | 49.7 | K | 6.0 | | 35.5 | 22.0 | K | 7.3 | 12 | 7.8 | 6.0 | L | 9.4 | | 45.0 | 29.6 | B |
| 9.0 | 50 | 37.3 | 13.2 | K | | 8.6 | | 50.2 | 58.8 | Kb | 9.1 | | 41.9 | 21.0 | K | 9.5 | 13 | 19.6 | 45.6 | | 9.1 | | 57.1 | 20.6 | Bb |
| 9.0 | | 38.5 | 46.6 | | | 9.3 | 17 | 36.0 | 30.4 | | 9.5 | | 48.3 | 58.0 | | 9.0 | | 50.2 | 9.9 | B | 9.5 | 45 | 4.6 | 10.9 | |
| 9.0 | | 40.8 | 36.6 | K | | 9.4 | 19 | 32.5 | 23.2 | | 9.0 | | 55.0 | 21.4 | K | 9.5 | | 57.0 | 53.9 | | 9.4 | | 11.4 | 24.3 | aB |
| 7.0 | 51 | 35.7 | 6.7 | L | | 8.0 | 20 | 25.0 | 38.3 | K | 9.5 | 47 | 11.0 | 45.0 | | 9.2 | 17 | 46.0 | 9.4 | K | 9.4 | 46 | 3.6 | 28.6 | |
| 9.5 | | 56.9 | 27.0 | | | 8.7 | 21 | 17.7 | 11.8 | K | 9.5 | | 13.9 | 29.3 | | 9.0 | | 46.3 | 50.1 | | 9.5 | | 19.2 | 9.6 | a |
| 8.1 | 52 | 35.8 | 1.3 | Kb | | 8.0 | | 54.3 | 12.1 | K | 9.2 | | 20.3 | 54.6 | | 9.0 | 18 | 34.4 | 15.3 | K | 8.3 | | 27.6 | 51.3 | K |
| 8.9 | | 53.0 | 25.5 | | | 8.2 | 22 | 2.4 | 2.3 | L | 7.8 | | 33.5 | 2.8 | K | 9.5 | | 34.8 | 42.5 | | 9.2 | | 46.1 | 3.8 | a |
| 9.3 | 53 | 16.3 | 26.6 | | | 9.2 | | 15.7 | 57.2 | Kb | 9.1 | 49 | 29.2 | 53.0 | K | 9.5 | | 45.8 | 39.5 | | 8.0 | | 59.6 | 5.9 | K |
| 9.5 | | 27.2 | 13.5 | | | 9.4 | | 28.8 | 32.5 | B | 7.0 | | 30.9 | 23.1 | K | 9.2 | 19 | 41.6 | 52.6 | Kb | 9.5 | 47 | 15.5 | 4.5 | |
| 9.1 | | 42.3 | 18.0 | K | | 9.5 | | 29.2 | 36.5 | a | 9.5 | 50 | 3.9 | 7.5 | | 9.0 | 20 | 11.7 | 46.6 | K | 9.5 | | 42.1 | 49.9 | |
| 9.3 | 54 | 33.2 | 24.6 | | | 9.5 | | 56.3 | 37.5 | | 8.7 | | 6.2 | 2.1 | | 7.5 | | 30.3 | 13.9 | K | 9.4 | 48 | 24.6 | 36.8 | |
| 9.5 | | 57.8 | 58.3 | | | 9.2 | 23 | 1.5 | 23.2 | K | 9.5 | | 40.5 | 45.4 | | 9.1 | 21 | 18.4 | 21.2 | | 9.5 | | 41.4 | 7.3 | |
| 8.0 | 55 | 8.7 | 46.6 | Kb | | 8.3 | | 31.0 | 19.4 | K | 9.2 | | 45.7 | 29.9 | K | 9.4 | | 23.0 | 16.0 | | 9.2 | | 57.6 | 38.4 | B |
| 9.1 | | 31.8 | 44.3 | K | | 9.5 | 24 | 2.7 | 20.8 | | 9.5 | 51 | 47.8 | 2.0 | | 7.2 | | 40.0 | 55.4 | Kb | 9.3 | 49 | 44.2 | 51.3 | a |
| 9.1 | 56 | 18.7 | 23.1 | a | | 9.2 | | 25.4 | 25.9 | K | 9.4 | 52 | 20.0 | 41.4 | | 9.3 | 22 | 53.5 | 19.0 | Kb | 9.0 | 50 | 15.4 | 14.4 | |
| 8.5 | | 39.3 | 13.8 | L | | 9.3 | | 29.5 | 7.9 | | 9.3 | | 27.4 | 36.9 | Bb | 9.3 | 23 | 5.0 | 54.5 | | 8.8 | | 21.0 | 8.4 | K |
| | | + | — | | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 29.26 | 3.28 | | | 10pr. | | 28.37 | 3.18 | | 10pr. | | 27.66 | 3.06 | | 10pr. | | 26.70 | 2.83 | | 10pr. | | 25.95 | 2.59 | |

| 2389 a | | | | |
|---|---|---|---|---|
| 9.8 | 11 | 55.8 | 23.4 | B |

| m | 14ᵘ—15ᵘ | +29° | |
|---|---|---|---|
| | 2601—2660 | | |
| 9.4 | 50′ 36.2 | 17.5 | |
| 9.3 | 51 47.1 | 48.2 | |
| 9.4 | 52 22.1 | 49.5 | |
| 9.1 | 24.0 | 17.2 | *ab* |
| 9.5 | 53 12.0 | 26.6 | |
| 9.5 | 24.0 | 42.3 | |
| 9.5 | 40.0 | 57.8 | |
| 9.5 | 54 4.5 | 37.5 | |
| 8.0 | 35.6 | 9.3 | L |
| 9.4 | 55 10.6 | 53.1 | |
| 9.4 | 51.1 | 15.1 | B |
| 9.0 | 56 1.5 | 38.7 | K |
| 9.5 | 17.9 | 9.7 | |
| 8.8 | 57 8.5 | 53.9 | |
| 9.5 | 24.7 | 6.1 | |
| 9.5 | 36.2 | 18.6 | |
| 9.0 | 59.0 | 56.2 | |
| 7.8 | 58 8.7 | 37.2 | K |
| 9.5 | 30.3 | 51.3 | |
| 9.5 | 59 10.8 | 48.0 | |
| 8.0 | 58.7 | 33.4 | L*b* |
| 8.5 | 0 2.8 | 59.1 | K |
| 9.5 | 3.0 | 47.7 | |
| 8.4 | 17.2 | 45.9 | L |
| 9.2 | 19.8 | 9.6 | *a* |
| 8.7 | 20.2 | 32.7 | K |
| 8.0 | 51.7 | 12.4 | K |
| 9.0 | 1 39.6 | 8.4 | K |
| 7.3 | 51.0 | 4.5 | K |
| 9.4 | 52.8 | 43.4 | |
| 9.5 | 3 5.5 | 24.3 | |
| 9.2 | 38.6 | 38.8 | |
| 7.3 | 48.7 | 47.1 | *a*L |
| 9.5 | 5 15.4 | 3.4 | |
| 9.5 | 30.1 | 5.4 | |
| 9.1 | 6 33.2 | 36.4 | *ab* |
| 9.1 | 7 22.3 | 58.5 | *a* |
| 9.5 | 24.7 | 16.1 | *a* |
| 9.4 | 8 3.1 | 16.4 | B |
| 5.5 | 28.4 | 43.4 | K*b* |
| 8.8 | 9 13.2 | 27.1 | K |
| 9.3 | 19.0 | 57.6 | |
| 8.7 | 45.7 | 51.3 | L |
| 9.5 | 10 19.6 | 7.8 | |
| 9.4 | 47.0 | 2.3 | |
| 8.8 | 52.9 | 1.3 | K*b* |
| 9.1 | 59.4 | 32.7 | *a* |
| 8.7 | 59.7 | 22.4 | L |
| 9.0 | 11 29.7 | 29.0 | L |
| 9.1 | 12 9.2 | 55.4 | |
| 8.7 | 18.3 | 10.5 | K |
| 9.5 | 36.5 | 56.2 | |
| 9.5 | 13 13.2 | 23.0 | |
| 9.5 | 20.2 | 43.0 | |
| 9.1 | 14 12.7 | 56.1 | |
| 8.7 | 16.2 | 46.8 | |
| 9.4 | 16 7.6 | 47.1 | B |
| 9.5 | 37.7 | 6.5 | |
| 9.3 | 17 7.2 | 40.7 | *a* |
| 8.9 | 14.7 | 33.4 | K |
| | + | — | |
| 10*pr.* | *25.31* | *2.34* | |

| m | 15ᵘ | +29° | |
|---|---|---|---|
| | 2661—2720 | | |
| 9.3 | 17′ 26.7 | 25.5 | |
| 9.5 | 19 0.2 | 46.9 | |
| 8.6 | 3.9 | 39.9 | K |
| 9.0 | 59.8 | 49.0 | L |
| 9.5 | 20 5.7 | 59.9 | |
| 9.5 | 16.0 | 35.9 | |
| 8.3 | 44.1 | 10.3 | K |
| 9.3 | 21 24.7 | 19.3 | |
| 9.5 | 44.7 | 0.5 | |
| 4.0 | 53.2 | 36.5 | K |
| 9.4 | 22 20.6 | 1.5 | B |
| 9.5 | 23 15.2 | 17.5 | |
| 9.5 | 48.5 | 56.7 | |
| 9.0 | 49.2 | 26.5 | |
| 9.5 | 24 8.0 | 5.2 | |
| 8.8 | 26.8 | 5.9 | |
| 9.0 | 27.2 | 48.6 | |
| 9.5 | 25 46.8 | 32.2 | B |
| 9.2 | 55.2 | 45.5 | |
| 8.7 | 26 41.2 | 10.0 | L |
| 9.0 | 27 8.7 | 50.6 | |
| 8.5 | 41.3 | 47.1 | K |
| 9.5 | 28 27.5 | 55.5 | |
| 9.0 | 32.6 | 36.8 | K |
| 9.3 | 29 27.3 | 50.6 | |
| 8.9 | 35.0 | 11.1 | L |
| 9.5 | 30 12.4 | 40.7 | B |
| 9.4 | 31 20.0 | 10.2 | |
| 9.4 | 56.6 | 3.5 | |
| 9.4 | 32 5.7 | 56.7 | |
| 9.3 | 57.2 | 35.4 | |
| 9.5 | 33 28.7 | 30.0 | |
| 9.5 | 29.2 | 53.4 | |
| 8.0 | 40.0 | 40.0 | K |
| 9.5 | 49.7 | 36.1 | |
| 9.4 | 34 18.2 | 44.0 | |
| 9.1 | 39.8 | 56.2 | |
| 9.5 | 52.2 | 53.6 | |
| 8.4 | 35 4.4 | 41.5 | L |
| 9.1 | 27.8 | 4.9 | *b* |
| 8.9 | 36 43.5 | 56.6 | |
| 9.5 | 38 10.0 | 48.8 | |
| 9.4 | 36.8 | 26.2 | |
| 9.2 | 42.6 | 39.2 | B |
| 9.0 | 54.2 | 17.1 | |
| 9.5 | 39 24.6 | 7.5 | |
| 8.5 | 48.3 | 25.1 | K |
| 9.5 | 55.9 | 55.7 | |
| 9.4 | 40 17.0 | 3.8 | |
| 9.3 | 33.0 | 40.2 | |
| 9.5 | 48.4 | 59.3 | |
| 9.3 | 54.3 | 21.6 | |
| 8.3 | 41 12.7 | 33.0 | K |
| 9.5 | 42 4.4 | 50.0 | |
| 9.1 | 26.3 | 41.2 | *b* |
| 9.5 | 43 0.5 | 11.2 | |
| 9.2 | 4.4 | 5.0 | |
| 9.0 | 16.5 | 0.8 | K |
| 9.5 | 34.0 | 11.6 | |
| 9.4 | 44 3.2 | 6.4 | |
| | + | — | |
| 10*pr.* | *24.66* | *2.00* | |

| m | 15ᵘ—16ᵘ | +29° | |
|---|---|---|---|
| | 2721—2780 | | |
| 9.5 | 45′ 3.5 | 42.5 | |
| 9.5 | 24.4 | 5.4 | |
| 9.5 | 31.4 | 54.9 | |
| 8.8 | 34.5 | 47.6 | |
| 9.0 | 36.2 | 38.3 | K |
| 9.2 | 46.0 | 24.0 | |
| 8.3 | 46 4.1 | 4.9 | B |
| 8.8 | 11.7 | 30.0 | *B* |
| 8.0 | 25.8 | 2.2 | K |
| 7.8 | 36.0 | 20.6 | L |
| 9.4 | 47 4.7 | 7.9 | |
| 9.5 | 19.8 | 7.9 | |
| 8.3 | 28.2 | 1.8 | K |
| 8.1 | 38.7 | 53.9 | K |
| 9.5 | 58.4 | 12.7 | |
| 9.2 | 48 20.5 | 51.5 | K*b* |
| 9.5 | 24.0 | 34.6 | |
| 9.5 | 59.4 | 4.8 | |
| 7.2 | 49 35.1 | 57.0 | K |
| 9.4 | 55.5 | 36.4 | |
| 9.5 | 50 51.8 | 6.7 | |
| 9.5 | 51 8.0 | 40.2 | |
| 9.5 | 54.2 | 55.2 | |
| 9.5 | 52 4.9 | 43.2 | |
| 8.9 | 30.4 | 58.6 | K |
| 9.3 | 37.0 | 47.0 | *B* |
| 9.5 | 38.0 | 41.0 | |
| 7.0 | 53 14.4 | 51.5 | K |
| 9.5 | 30.5 | 15.5 | |
| 9.5 | 54 40.3 | 9.1 | |
| 9.1 | 52.2 | 58.3 | *a*B |
| 8.2 | 55 5.2 | 21.3 | K |
| 8.9 | 13.0 | 7.1 | |
| 8.9 | 29.6 | 1.3 | |
| 9.1 | 31.8 | 11.1 | *B* |
| 9.4 | 38.5 | 16.6 | |
| 9.5 | 56 48.0 | 33.6 | |
| 8.5 | 57 4.4 | 21.9 | K |
| 9.5 | 18.5 | 38.4 | |
| 9.0 | 19.5 | 14.3 | K |
| 9.2 | 34.2 | 30.4 | L |
| 9.4 | 37.6 | 2.2 | |
| 9.3 | 58 13.0 | 24.7 | *a* |
| 9.5 | 18.5 | 51.8 | |
| 9.5 | 59 8.4 | 54.9 | *a* |
| 9.2 | 43.8 | 56.4 | *a* |
| 9.3 | 0 0.7 | 24.1 | *a* |
| 9.4 | 0.9 | 3.4 | |
| 9.5 | 48.4 | 12.6 | |
| 9.3 | 56.0 | 37.1 | |
| 9.3 | 1 16.9 | 32.2 | |
| 9.4 | 26.5 | 40.9 | |
| 9.2 | 45.8 | 25.1 | B |
| 7.5 | 47.6 | 23.1 | K |
| 8.6 | 56.4 | 32.9 | K |
| 8.7 | 2 3.5 | 46.3 | |
| 9.3 | 16.4 | 59.3 | |
| 9.4 | 34.0 | 52.0 | *K* |
| 9.5 | 40.0 | 55.6 | |
| 9.2 | 3 12.0 | 50.8 | *a*B |
| | + | — | |
| 10*pr.* | *24.26* | *1.74* | |

| m | 16ᵘ | +29° | |
|---|---|---|---|
| | 2781—2840 | | |
| 9.2 | 3′ 31.9 | 24.7 | *a* |
| 9.4 | 55.8 | 53.6 | |
| 9.5 | 4 0.0 | 35.4 | |
| 8.8 | 5 3.7 | 30.2 | |
| 9.5 | 5.0 | 36.8 | |
| 9.5 | 28.9 | 31.6 | |
| 9.5 | 59.2 | 18.8 | |
| 9.5 | 6 39.9 | 49.7 | |
| 9.5 | 50.4 | 48.0 | |
| 9.4 | 7 41.7 | 9.1 | |
| 9.5 | 56.0 | 53.6 | |
| 7.5 | 57.6 | 6.8 | K*b* |
| 9.5 | 8 19.3 | 38.6 | B |
| 9.4 | 20.5 | 16.8 | |
| 9.5 | 32.6 | 38.7 | B |
| 9.5 | 58.6 | 4.5 | |
| 9.4 | 9 2.2 | 24.4 | |
| 9.0 | 14.5 | 45.4 | |
| 8.3 | 10 19.4 | 57.9 | K*b* |
| 9.4 | 31.4 | 52.2 | |
| 8.6 | 38.2 | 16.1 | |
| 9.0 | 38.5 | 50.0 | |
| 5.7 | 55.7 | 30.9 | K |
| 9.5 | 11 6.4 | 32.2 | |
| 7.5 | 22.7 | 47.0 | K |
| 9.4 | 43.7 | 59.5 | a*B* |
| 9.5 | 53.1 | 59.4 | a*B* |
| 9.5 | 12 0.8 | 53.5 | |
| 9.4 | 6.4 | 1.2 | |
| 9.5 | 27.0 | 46.7 | |
| 9.5 | 37.7 | 55.9 | |
| 9.4 | 14 59.9 | 55.7 | |
| 8.7 | 15 21.5 | 15.8 | K |
| 8.5 | 24.9 | 52.5 | K |
| 9.5 | 32.4 | 3.1 | |
| 8.5 | 33.2 | 20.3 | K |
| 9.5 | 16 11.0 | 6.8 | B |
| 9.5 | 17 27.0 | 37.7 | B |
| 9.4 | 50.5 | 52.2 | |
| 9.5 | 55.9 | 27.8 | |
| 7.5 | 18 16.9 | 58.1 | K |
| 9.5 | 44.8 | 1.4 | |
| 9.5 | 58.5 | 38.9 | |
| 8.9 | 19 19.0 | 35.1 | B |
| 9.5 | 30.7 | 27.8 | |
| 9.5 | 56.9 | 11.2 | |
| 9.2 | 57.8 | 5.5 | K |
| 9.5 | 20 9.0 | 19.1 | |
| 9.5 | 34.5 | 15.8 | |
| 9.0 | 55.4 | 10.1 | K |
| 9.3 | 58.7 | 8.2 | |
| 9.3 | 22 23.9 | 40.5 | |
| 8.4 | 26.4 | 59.8 | K*b* |
| 6.8 | 45.9 | 23.6 | K |
| 9.1 | 24 2.5 | 23.3 | *a* |
| 9.5 | 33.8 | 58.7 | |
| 9.1 | 35.0 | 15.1 | *a* |
| 9.5 | 37.9 | 22.7 | |
| 9.3 | 25 6.1 | 21.6 | |
| 8.5 | 9.4 | 31.2 | B |
| | + | — | |
| 10*pr.* | *23.97* | *1.51* | |

| m | 16ᵘ | +29° | |
|---|---|---|---|
| | 2841—2900 | | |
| 9.2 | 25′ 18.0 | 45.8 | |
| 9.4 | 25.9 | 38.4 | B |
| 9.4 | 29.7 | 31.4 | B |
| 8.0 | 55.7 | 55.0 | L |
| 9.2 | 56.3 | 20.4 | B |
| 8.9 | 26 32.6 | 2.4 | K |
| 8.7 | 35.6 | 25.7 | |
| 9.5 | 27 15.3 | 49.6 | |
| 9.5 | 31.6 | 14.4 | |
| 9.1 | 34.9 | 6.9 | K |
| 8.8 | 29 55.6 | 27.5 | |
| 9.5 | 59.3 | 57.9 | |
| 9.3 | 30 2.1 | 16.4 | |
| 9.4 | 12.4 | 51.7 | B |
| 9.5 | 31 12.5 | 22.5 | B |
| 9.5 | 14.3 | 21.7 | *a* |
| 9.3 | 22.1 | 31.9 | |
| 7.6 | 51.1 | 7.9 | K |
| 8.7 | 32 18.9 | 47.0 | K |
| 7.9 | 34.9 | 57.6 | K |
| 9.0 | 42.1 | 57.0 | K |
| 9.4 | 33 4.5 | 52.1 | |
| 9.1 | 15.0 | 7.2 | K |
| 7.3 | 42.1 | 30.1 | K |
| 9.2 | 34 20.2 | 16.4 | K |
| 9.3 | 28.1 | 11.1 | *a* |
| 7.9 | 57.2 | 11.3 | K |
| 9.4 | 35 59.4 | 4.6 | |
| 8.7 | 36 4.4 | 42.5 | K |
| 9.5 | 16.0 | 5.3 | |
| 9.5 | 51.3 | 57.5 | B |
| 9.5 | 37 9.3 | 54.8 | |
| 8.8 | 16.7 | 0.7 | K |
| 8.9 | 18.0 | 34.3 | |
| 8.7 | 45.6 | 14.0 | K |
| 8.5 | 39 16.1 | 44.3 | K |
| 9.3 | 37.3 | 2.2 | |
| 9.0 | 40 11.9 | 57.5 | |
| 9.4 | 50.2 | 38.4 | |
| 9.5 | 41 18.3 | 58.7 | |
| 8.3 | 18.9 | 29.1 | |
| 8.8 | 41.4 | 46.5 | |
| 9.5 | 42 19.1 | 37.7 | |
| 9.5 | 38.5 | 4.4 | |
| 9.5 | 43 33.2 | 59.2 | |
| 9.4 | 52.2 | 3.0 | B |
| 9.5 | 44 20.6 | 24.4 | |
| 8.8 | 46.5 | 10.2 | K |
| 8.1 | 45 31.0 | 49.7 | K |
| 8.9 | 56.1 | 7.4 | |
| 9.3 | 46 10.2 | 56.4 | K*b* |
| 9.2 | 47 36.3 | 29.8 | K |
| 9.2 | 37.1 | 43.9 | K |
| 9.2 | 45.2 | 37.2 | *a* |
| 8.9 | 52.7 | 46.5 | K |
| 8.7 | 48 17.6 | 21.2 | L |
| 9.3 | 23.5 | 16.8 | *a* |
| 9.3 | 34.5 | 52.5 | K*b* |
| 9.5 | 48.7 | 3.1 | |
| 9.4 | 57.7 | 2.3 | |
| | + | — | |
| 10*pr.* | *23.65* | *1.19* | |

**16ʰ—18ʰ** **+29°**

| 2901—2960 | | | | |
|---|---|---|---|---|
| | 16ʰ—17ʰ | | +29° | |
| m | | ″ | ′ | |
| 9.5 | 49 | 12.1 | 27.4 | |
| 7.3 | | 19.6 | 16.7 | L |
| 9.5 | 50 | 11.3 | 52.1 | |
| 9.5 | | 43.1 | 15.1 | |
| 8.3 | 51 | 9.9 | 49.3 | L |
| 8.9 | | 15.1 | 19.9 | K |
| 9.5 | | 18.0 | 28.5 | |
| 9.2 | | 25.1 | 40.8 | |
| 9.2 | | 30.6 | 15.4 | K |
| 9.5 | | 53.5 | 6.0 | *a* |
| 9.5 | | 58.6 | 34.6 | |
| 9.2 | 52 | 39.1 | 25.7 | *a* |
| 9.5 | 53 | 14.8 | 4.5 | |
| 9.5 | | 42.9 | 23.1 | B |
| 7.7 | | 55.3 | 46.2 | B |
| 9.4 | 54 | 32.1 | 28.3 | |
| 9.5 | | 47.1 | 7.5 | |
| 9.1 | 55 | 14.3 | 6.0 | *a* |
| 9.1 | | 22.0 | 6.7 | K |
| 9.0 | | 22.1 | 40.9 | |
| 9.3 | | 22.9 | 28.4 | |
| 9.4 | 56 | 8.7 | 22.9 | *a* |
| 9.2 | | 26.9 | 48.8 | K |
| 7.5 | | 50.3 | 30.1 | L |
| 9.2 | | 52.3 | 43.1 | |
| 9.5 | 57 | 3.8 | 6.9 | |
| 7.7 | | 23.2 | 41.8 | L |
| 9.4 | | 25.4 | 44.9 | B |
| 9.3 | | 28.7 | 26.2 | B |
| 9.5 | | 45.0 | 58.5 | |
| 8.8 | 58 | 30.6 | 9.2 | K |
| 9.4 | | 58.8 | 15.1 | *a* |
| 8.0 | 59 | 8.6 | 52.2 | K |
| 9.4 | | 22.9 | 10.0 | *a* |
| 7.7 | | 59.0 | 49.5 | K |
| 9.5 | 0 | 31.8 | 13.7 | |
| 9.5 | | 38.7 | 6.4 | |
| 8.5 | 1 | 1.5 | 4.1 | K |
| 9.5 | | 26.3 | 9.5 | |
| 9.4 | | 51.5 | 36.0 | *a* |
| 9.5 | 2 | 11.8 | 28.8 | |
| 8.0 | | 19.6 | 20.7 | B |
| 9.4 | | 33.6 | 56.6 | |
| 9.5 | | 42.7 | 22.9 | |
| 9.5 | 3 | 5.7 | 30.2 | |
| 8.8 | | 7.8 | 43.9 | |
| 9.5 | | 18.2 | 18.5 | |
| 9.0 | | 54.8 | 34.0 | |
| 9.3 | 4 | 5.7 | 44.9 | |
| 8.8 | | 35.6 | 4.8 | |
| 8.2 | | 45.8 | 21.8 | *Kb* |
| 8.6 | 5 | 43.2 | 46.9 | K |
| 9.5 | 6 | 4.7 | 16.0 | |
| 9.0 | | 15.5 | 37.0 | K |
| 9.2 | | 20.0 | 9.1 | |
| 9.1 | | 20.3 | 10.8 | *b* |
| 9.1 | | 23.8 | 52.5 | |
| 8.7 | | 28.5 | 44.1 | K |
| 9.5 | | 39.3 | 22.8 | |
| 9.5 | 7 | 41.2 | 32.2 | |
| *10pr.* | | *23.43* | *0.90* | |

| 2961—3020 | | | | |
|---|---|---|---|---|
| | 17ʰ | | +29° | |
| m | | ″ | ′ | |
| 9.5 | 7 | 45.6 | 58.9 | |
| 9.1 | | 51.7 | 28.2 | *Bb* |
| 8.5 | 8 | 33.7 | 45.2 | L |
| 9.5 | | 53.3 | 8.6 | |
| 9.3 | | 57.2 | 24.3 | |
| 9.4 | 9 | 5.5 | 42.5 | |
| 9.5 | | 31.8 | 52.5 | *a* |
| 9.5 | | 37.9 | 5.5 | |
| 9.5 | | 49.2 | 51.4 | |
| 9.5 | | 56.3 | 5.0 | |
| 8.5 | | 57.0 | 38.3 | K |
| 9.5 | 10 | 24.2 | 24.3 | |
| 9.5 | | 30.7 | 42.1 | |
| 9.5 | | 45.8 | 19.8 | |
| 9.0 | 11 | 1.3 | 35.7 | |
| 9.5 | | 2.8 | 54.3 | *a* |
| 9.5 | | 47.7 | 44.2 | |
| 7.0 | | 53.6 | 4.7 | S |
| 8.0 | 12 | 2.4 | 22.6 | B |
| 9.4 | | 11.8 | 19.2 | |
| 7.6 | | 15.0 | 4.0 | L |
| 9.5 | | 58.6 | 52.0 | *a* |
| 9.4 | 13 | 4.2 | 48.3 | |
| 9.4 | | 10.3 | 19.6 | |
| 9.4 | | 12.0 | 11.9 | |
| 9.4 | | 37.8 | 29.5 | |
| 8.7 | | 51.5 | 11.8 | K |
| 9.2 | 14 | 1.3 | 47.3 | *b* |
| 9.5 | | 9.2 | 45.6 | |
| 9.5 | | 13.3 | 10.8 | |
| 9.1 | 15 | 50.9 | 10.4 | *b* |
| 9.5 | | 51.5 | 43.2 | |
| 9.4 | | 54.7 | 52.4 | *aB* |
| 9.4 | 16 | 5.7 | 59.8 | B |
| 9.3 | | 17.4 | 9.6 | |
| 9.5 | 17 | 9.6 | 3.7 | |
| 9.3 | | 11.8 | 19.5 | |
| 9.5 | | 16.3 | 34.3 | |
| 8.8 | | 19.3 | 28.8 | L |
| 9.2 | | 37.2 | 52.2 | *b* |
| 9.0 | | 53.2 | 11.0 | L |
| 9.0 | 18 | 20.9 | 1.8 | K |
| 9.5 | | 26.8 | 27.4 | |
| 9.3 | | 31.6 | 2.1 | K |
| 9.4 | 19 | 12.8 | 21.1 | *Kb* |
| 9.5 | | 14.0 | 14.3 | |
| 9.5 | | 30.6 | 55.2 | |
| 9.5 | | 31.1 | 6.0 | |
| 9.4 | | 51.2 | 6.8 | |
| 9.5 | | 57.1 | 1.1 | |
| 8.8 | 20 | 22.3 | 48.0 | |
| 7.2 | | 37.2 | 35.9 | S |
| 9.4 | 21 | 33.5 | 3.2 | |
| 9.2 | | 36.5 | 6.3 | |
| 9.3 | | 37.5 | 11.9 | |
| 8.7 | | 41.4 | 55.9 | L |
| 9.4 | 22 | 15.9 | 58.8 | *aB* |
| 8.9 | | 30.3 | 19.5 | K |
| 9.5 | | 31.4 | 26.4 | B |
| 9.0 | | 32.8 | 46.4 | K |
| *10pr.* | | *23.30* | *0.66* | |

| 3021—3080 | | | | |
|---|---|---|---|---|
| | 17ʰ | | +29° | |
| m | | ″ | ′ | |
| 9.5 | 22 | 35.3 | 48.8 | |
| 9.5 | | 39.7 | 44.7 | |
| 9.5 | | 45.5 | 50.6 | |
| 9.5 | | 47.5 | 49.3 | |
| 8.8 | | 47.7 | 57.5 | K |
| 8.9 | | 55.1 | 57.5 | K |
| 8.8 | 23 | 25.9 | 9.4 | |
| 9.0 | | 39.0 | 31.5 | |
| 9.1 | | 44.8 | 31.1 | *a* |
| 9.0 | 24 | 12.3 | 15.6 | |
| 9.5 | | 33.5 | 16.4 | |
| 9.3 | | 35.5 | 8.1 | |
| 7.9 | | 38.0 | 37.6 | K |
| 9.5 | 25 | 18.7 | 34.9 | |
| 9.2 | | 25.8 | 46.0 | K |
| 8.5 | | 59.8 | 33.7 | L |
| 9.5 | 26 | 13.2 | 17.0 | |
| 9.5 | | 18.1 | 8.8 | |
| 9.4 | | 18.7 | 50.7 | |
| 9.2 | | 26.3 | 48.7 | |
| 9.5 | | 38.2 | 38.7 | |
| 9.2 | | 46.0 | 53.8 | |
| 9.3 | 27 | 6.5 | 43.5 | |
| 9.4 | | 15.0 | 45.9 | |
| 9.5 | | 44.3 | 52.5 | *a* |
| 9.4 | | 45.7 | 3.3 | |
| 8.9 | | 53.2 | 49.4 | |
| 9.4 | 28 | 16.9 | 40.2 | |
| 8.1 | | 19.1 | 1.2 | K |
| 8.0 | | 20.6 | 12.4 | L |
| 9.5 | | 36.1 | 32.4 | |
| 9.5 | | 36.1 | 35.1 | |
| 9.4 | | 44.5 | 37.6 | B |
| 8.1 | | 46.2 | 51.4 | *Lb* |
| 9.4 | | 48.8 | 12.9 | B |
| 9.5 | | 50.6 | 15.9 | |
| 9.5 | 29 | 15.3 | 59.4 | |
| 9.5 | | 46.2 | 50.1 | |
| 9.3 | | 59.3 | 19.9 | |
| 9.4 | 30 | 25.8 | 22.6 | K |
| 8.8 | | 44.0 | 48.7 | |
| 9.0 | 31 | 8.0 | 19.6 | K |
| 9.3 | | 21.7 | 18.7 | |
| 8.5 | | 24.0 | 58.7 | *Lb* |
| 9.4 | | 31.7 | 41.6 | B |
| 9.5 | | 53 6 | 9.0 | |
| 9.4 | | 55.1 | 0.9 | |
| 9.4 | 32 | 21.2 | 19.4 | |
| 9.1 | | 33.3 | 10.5 | K |
| 9.4 | | 41.0 | 14.0 | |
| 9.5 | | 51.4 | 52.0 | |
| 9.2 | 33 | 3.4 | 40.3 | |
| 9.4 | | 5.2 | 27.2 | |
| 8.9 | | 7.1 | 1.2 | |
| 9.3 | | 46.5 | 35.5 | |
| 9.0 | 34 | 4.8 | 31.7 | L |
| 9.5 | | 6.3 | 5.8 | |
| 8.9 | | 18.3 | 55.9 | |
| 7.5 | | 27.5 | 19.7 | S |
| 9.1 | | 30.7 | 8.2 | |
| *10pr.* | | *23.23* | *0.46* | |

| 3081—3140 | | | | |
|---|---|---|---|---|
| | 17ʰ | | +29° | |
| m | | ″ | ′ | |
| 9.5 | 34 | 43.4 | 0.3 | |
| 8.3 | 35 | 16.0 | 44.8 | L |
| 9.2 | | 31.9 | 16.3 | K |
| 9.2 | | 32.5 | 11.4 | *a* |
| 9.2 | | 57.2 | 20.7 | K |
| 9.2 | 36 | 0.5 | 26.5 | K |
| 8.1 | | 2.6 | 40.6 | L |
| 9.5 | | 4.0 | 5.2 | |
| 9.2 | | 40.3 | 30.9 | K |
| 9.5 | | 54.0 | 2.0 | |
| 6.5 | 37 | 0.0 | 29.6 | K |
| 9.2 | | 10.2 | 40.3 | |
| 9.5 | | 17.6 | 27.3 | |
| 9.1 | | 19.3 | 18.0 | B |
| 7.8 | | 24.2 | 43.4 | *Kb* |
| 9.1 | | 31.8 | 37.5 | |
| 9.5 | | 32.1 | 14.2 | B |
| 9.2 | | 56.5 | 48.3 | |
| 9.0 | 38 | 5.2 | 16.8 | B |
| 9.2 | | 27.2 | 37.1 | |
| 9.5 | | 50.2 | 44.4 | |
| 9.0 | 39 | 1.2 | 37.2 | |
| 9.5 | | 44.6 | 3.1 | |
| 9.4 | | 52.5 | 53.9 | B |
| 9.5 | | 53.2 | 26.2 | |
| 9.5 | 40 | 45.3 | 10.3 | |
| 9.2 | 41 | 6.8 | 7.8 | |
| 8.2 | | 18.4 | 28.5 | K |
| 9.0 | | 20.7 | 38.6 | K |
| 9.2 | | 20.8 | 17.9 | |
| 9.0 | | 32.2 | 23.7 | K |
| 9.5 | | 40.1 | 55.2 | |
| 9.5 | | 44.5 | 25.7 | *a* |
| 9.5 | | 45.3 | 29.1 | |
| 9.5 | | 59.1 | 51.7 | |
| 8.7 | 42 | 6.2 | 23.2 | K |
| 9.0 | | 25.5 | 17.8 | K |
| 9.3 | | 29.5 | 51.3 | |
| 9.5 | | 42.9 | 49.2 | |
| 8.8 | | 56.5 | 12.7 | K |
| 9.0 | 43 | 7.6 | 15.0 | *Kb* |
| 8.8 | | 20.0 | 10.9 | K |
| 9.0 | 44 | 32.8 | 11.8 | K |
| 9.5 | | 35.8 | 55.5 | *aB* |
| 9.5 | | 42.0 | 52.2 | |
| 6.0 | | 46.5 | 22.3 | K |
| 9.3 | 45 | 3.9 | 55.5 | *aB* |
| 9.5 | | 18.6 | 35.7 | |
| 9.3 | | 24.2 | 50.9 | B |
| 9.3 | 46 | 8.6 | 5.7 | |
| 9.5 | | 43.8 | 55.8 | |
| 8.8 | 47 | 4.8 | 45.4 | B |
| 9.5 | | 14.3 | 8.5 | |
| 8.0 | | 17.5 | 42.9 | B |
| 8.8 | | 36.3 | 31.4 | B |
| 9.5 | | 42.5 | 15.5 | B |
| 9.5 | 48 | 3.1 | 42.5 | *a* |
| 9.2 | | 20.0 | 57.1 | |
| 8.2 | | 33.4 | 50.6 | B |
| 9.4 | | 41.5 | 38.1 | |
| *10pr.* | | *23.18* | *0.27* | |

| 3141—3200 | | | | |
|---|---|---|---|---|
| | 17ʰ—18ʰ | | +29° | |
| m | | ″ | ′ | |
| 9.1 | 48 | 44.5 | 33.3 | K |
| 9.2 | | 51.1 | 34.0 | *a* |
| 9.5 | | 53.6 | 5.5 | |
| 9.5 | 49 | 31.0 | 37.5 | |
| 9.5 | | 34.5 | 5.3 | |
| 9.5 | | 41.1 | 17.1 | |
| 9.5 | 50 | 31.5 | 46.0 | |
| 9.5 | 51 | 4.3 | 17.1 | |
| 9.0 | | 7.0 | 30.2 | S |
| 9.2 | | 18.5 | 31.2 | *aB* |
| 9.2 | | 32.5 | 33.7 | *B* |
| 9.5 | | 39.4 | 5.8 | |
| 8.7 | | 59.5 | 30.2 | S |
| 8.8 | 52 | 5.5 | 29.8 | |
| 8.8 | | 5.9 | 25.9 | B |
| 4.0 | | 11.5 | 16.4 | L |
| 9.5 | 53 | 8.0 | 0.8 | |
| 8.8 | | 14.3 | 47.1 | |
| 9.4 | | 47.1 | 8.3 | |
| 8.8 | | 48.4 | 30.3 | B |
| 9.4 | | 51.7 | 55.4 | |
| 9.5 | 54 | 23.1 | 39.5 | |
| 9.5 | | 23.6 | 53.7 | |
| 8.8 | | 45.1 | 10.1 | L |
| 7.5 | 55 | 6.5 | 34.0 | *Kb* |
| 9.0 | | 13.1 | 25.3 | *L* |
| 9.3 | | 27.8 | 2.1 | |
| 9.2 | 56 | 8.5 | 53.5 | |
| 9.2 | | 20.8 | 12.4 | K |
| 9.3 | | 22.5 | 28.3 | |
| 9.4 | | 25.6 | 36.0 | |
| 9.2 | | 26.2 | 33.8 | B |
| 9.2 | | 51.5 | 12.0 | K |
| 9.3 | | 58 4 | 11.9 | K |
| 9.2 | 57 | 53.5 | 34.3 | K |
| 9.2 | 58 | 2.0 | 37.8 | K |
| 9.5 | | 2.6 | 3.4 | |
| 9.5 | | 37.1 | 4.8 | |
| 9.5 | | 41.3 | 39.6 | |
| 7.6 | 59 | 22.1 | 4.3 | K |
| 9.5 | 0 | 14.9 | 5.5 | |
| 9.3 | | 47.0 | 12.0 | K |
| 9.2 | | 57.1 | 52.3 | |
| 8.7 | 1 | 16.0 | 44.3 | |
| 9.4 | | 24.2 | 9.8 | |
| 7.7 | 2 | 19.3 | 48.3 | K |
| 8.2 | | 40.5 | 39.1 | K |
| 9.2 | | 56.2 | 13.6 | |
| 9.5 | 3 | 7.7 | 5.6 | |
| 7.2 | | 46.8 | 55.5 | *Kb* |
| 9.5 | 4 | 3.8 | 4.7 | |
| 8.7 | | 7.9 | 57.6 | K |
| 9.0 | | 31.7 | 31.5 | |
| 9.1 | | 45.1 | 47.7 | *a* |
| 8.2 | | 58.1 | 3.5 | *Kb* |
| 9.4 | 5 | 17.8 | 52.1 | *a* |
| 9.3 | | 45.9 | 32.2 | |
| 7.5 | | 49.4 | 52.8 | B |
| 7.7 | | 50.8 | 38.7 | K |
| 9.5 | 6 | 13.9 | 57.3 | |
| *10pr.* | | *23.15* | *0.05* | |

*3149* *a*
9.2 | 51 9.6 | 26.2 | *B*

3201—3260

| m | 18ʰ | | +29° | | |
|---|---|---|---|---|---|
| | ′ | ″ | ′ | | |
| 9.4 | 6 | 19.7 | 8.6 | | |
| 9.5 | | 20.2 | 16.7 | | |
| 8.2 | | 30.6 | 41.1 | K | |
| 9.0 | 7 | 55.3 | 48.2 | | |
| 9.0 | | 58.2 | 31.5 | | |
| 9.3 | 8 | 6.5 | 46.6 | B | |
| 9.3 | | 18.4 | 37.3 | | |
| 9.5 | | 26.7 | 25.3 | | |
| 9.4 | | 28.4 | 33.8 | | |
| 9.5 | | 31.1 | 32.8 | | |
| 9.3 | | 35.6 | 35.1 | B | |
| 9.5 | | 52.0 | 57.0 | | |
| 7.0 | 9 | 7.0 | 10.8 | K | |
| 9.2 | | 8.1 | 27.5 | B | |
| 9.0 | | 21.2 | 22.9 | L | |
| 9.0 | | 28.3 | 4.0 | K | |
| 9.1 | | 35.4 | 46.1 | *a* | |
| 9.4 | | 35.5 | 58.6 | | |
| 9.5 | | 43.3 | 31.2 | | |
| 9.5 | | 54.7 | 54.9 | | |
| 9.5 | 10 | 1.6 | 6.5 | | |
| 9.3 | | 25.5 | 35.1 | B | |
| 9.4 | | 36.1 | 51.2 | B | |
| 9.5 | | 36.6 | 49.2 | | |
| 9.4 | | 37.3 | 7.8 | B | |
| 8.5 | 11 | 27.4 | 33.9 | B | |
| 9.3 | | 48.6 | 29.3 | K | |
| 9.5 | | 52.7 | 38.2 | | |
| 9.0 | 12 | 20.6 | 28.6 | K | |
| 9.0 | | 22.1 | 17.2 | L | |
| 9.5 | | 53.4 | 57.8 | | |
| 9.4 | | 53.4 | 52.1 | | |
| 9.5 | 13 | 15.5 | 17.9 | *a* | |
| 9.0 | | 31.6 | 32.3 | K | |
| 9.1 | | 51.7 | 51.2 | *a* | |
| 6.5 | 14 | 17.5 | 35.8 | K | |
| 8.2 | | 29.1 | 23.0 | L | |
| 9.3 | | 29.6 | 2.3 | K | |
| 9.0 | | 31.2 | 19.3 | L | |
| 9.2 | 15 | 14.2 | 43.5 | K | |
| 5.5 | | 22.2 | 47.6 | K | |
| 8.9 | | 33.0 | 16.1 | B | |
| 9.5 | | 45.3 | 16.6 | | |
| 8.7 | 16 | 10.8 | 11.3 | K | |
| 8.0 | | 26.5 | 56.7 | L | |
| 9.3 | 17 | 8.5 | 5.0 | | |
| 8.1 | | 28.1 | 17.6 | K | |
| 9.1 | | 35.5 | 10.0 | B | |
| 9.2 | | 42.4 | 17.3 | | |
| 9.2 | | 43.4 | 9.0 | | |
| 9.1 | | 46.5 | 4.2 | K | |
| 9.3 | | 58.3 | 2.1 | K | |
| 9.2 | 18 | 36.0 | 4.0 | K | |
| 9.1 | 19 | 48.1 | 51.9 | *Kb* | |
| 9.5 | | 55.6 | 5.8 | B | |
| 9.5 | 20 | 9.1 | 1.8 | | |
| 8.3 | | 9.5 | 19.5 | | |
| 9.5 | | 17.6 | 26.1 | | |
| 6.1 | | 23.3 | 44.9 | L | |
| 9.5 | | 53.8 | 22.4 | | |
| *10pr.* | | *23.17* | *0.18* | | |

3261—3320

| m | 18ʰ | | +29° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.0 | 21 | 2.2 | 54.4 | |
| 9.0 | | 32.1 | 30.3 | |
| 9.5 | | 46.8 | 25.8 | |
| 8.4 | 22 | 47.6 | 55.8 | |
| 9.3 | 23 | 5.9 | 0.6 | |
| 9.5 | | 9.3 | 11.0 | |
| 9.0 | | 10.3 | 22.4 | |
| 9.1 | | 16.0 | 37.9 | *a* |
| 7.7 | | 34.9 | 27.6 | B |
| 8.3 | | 35.6 | 49.8 | B |
| 8.5 | | 53.0 | 49.9 | B |
| 8.6 | | 59.5 | 53.2 | *Sb* |
| 9.2 | 24 | 8.7 | 16.1 | K |
| 9.5 | | 25.0 | 8.0 | |
| 9.1 | | 28.8 | 26.5 | K |
| 9.5 | | 29.4 | 52.8 | B |
| 9.5 | | 32.5 | 59.8 | |
| 9.4 | 25 | 3.6 | 20.7 | B |
| 9.5 | | 4.8 | 4.3 | |
| 9.1 | | 50.8 | 41.6 | *a* |
| 9.5 | | 58.8 | 8.0 | B |
| 9.4 | 26 | 0.9 | 58.8 | |
| 9.4 | 27 | 2.4 | 1.4 | |
| 9.3 | | 11.9 | 7.6 | |
| 9.0 | | 22.2 | 39.4 | K |
| 9.5 | | 42.5 | 54.3 | |
| 9.0 | | 57.6 | 53.0 | *Kb* |
| 9.0 | 28 | 16.3 | 23.0 | |
| 9.5 | | 39.6 | 19.8 | |
| 9.5 | | 40.4 | 16.8 | B |
| 6.8 | | 43.5 | 38.2 | K |
| 9.1 | | 53.7 | 1.7 | |
| 7.7 | 29 | 4.3 | 51.9 | *Kb* |
| 9.5 | 30 | 4.5 | 10.3 | |
| 8.5 | | 5.5 | 59.1 | |
| 8.8 | | 39.4 | 54.2 | K |
| 9.0 | | 47.0 | 50.3 | K |
| 9.3 | | 51.0 | 5.9 | |
| 9.2 | 31 | 10.7 | 44.7 | K |
| 9.0 | | 23.3 | 55.0 | K |
| 9.5 | | 30.2 | 4.9 | B |
| 7.0 | | 53.9 | 27.4 | K |
| 9.5 | 32 | 13.8 | 41.4 | |
| 9.5 | | 19.6 | 10.1 | |
| 9.5 | | 28.2 | 3.6 | |
| 9.5 | | 40.2 | 58.4 | |
| 9.2 | 33 | 7.7 | 50.8 | *a* |
| 9.5 | | 8.0 | 43.9 | |
| 9.5 | | 13.1 | 16.0 | |
| 8.6 | | 48.0 | 24.2 | |
| 9.1 | | 48.8 | 52.2 | *ab* |
| 9.4 | 34 | 18.5 | 15.0 | |
| 9.5 | | 27.2 | 16.0 | |
| 9.0 | 35 | 3.5 | 39.4 | |
| 9.5 | | 19.6 | 19.6 | |
| 9.5 | | 35.1 | 57.3 | |
| 8.9 | | 36.4 | 20.6 | B |
| 9.0 | | 44.9 | 35.5 | |
| 9.5 | | 52.0 | 0.9 | |
| 9.0 | 36 | 4.7 | 26.4 | B |
| *10pr.* | | *23.21* | *0.42* | |

3321—3380

| m | 18ʰ | | +29° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 36 | 28.3 | 54.5 | |
| 9.5 | | 46.2 | 14.3 | |
| 9.3 | | 51.1 | 47.6 | *a* |
| 9.5 | 37 | 13.2 | 3.7 | |
| 9.5 | | 23.3 | 14.6 | |
| 8.7 | | 24.1 | 39.7 | |
| 9.1 | | 32.2 | 40.8 | *a* |
| 9.5 | | 37.6 | 4.3 | |
| 9.5 | 38 | 3.1 | 9.5 | |
| 9.5 | | 19.9 | 58.6 | |
| 9.0 | | 33.8 | 49.0 | K |
| 8.9 | | 48.6 | 45.9 | K |
| 9.5 | | 53.1 | 1.5 | B |
| 9.5 | 39 | 15.2 | 34.5 | |
| 9.0 | | 18.2 | 17.7 | |
| 9.5 | | 40.4 | 7.1 | |
| 9.5 | | 42.7 | 11.2 | |
| 9.4 | 40 | 15.3 | 37.3 | |
| 9.4 | | 17.1 | 11.2 | *a* |
| 9.5 | | 19.4 | 59.2 | |
| 9.5 | | 37.6 | 22.9 | |
| 9.5 | | 43.5 | 37.0 | |
| 9.5 | 41 | 9.4 | 9.7 | B |
| 9.5 | | 23.0 | 19.5 | B |
| 9.5 | | 30.2 | 49.1 | *a* |
| 9.5 | | 32.9 | 34.2 | *a* |
| 9.2 | | 47.1 | 47.0 | *a* |
| 9.2 | | 54.0 | 5.1 | *a* |
| 9.5 | 42 | 2.3 | 21.1 | *a* |
| 9.2 | | 12.0 | 33.9 | *b* |
| 9.5 | | 18.3 | 33.3 | *a* |
| 8.3 | | 34.1 | 49.6 | B |
| 9.5 | | 54.6 | 13.4 | |
| 9.4 | | 56.7 | 12.6 | |
| 9.3 | 43 | 22.9 | 38.6 | |
| 9.5 | | 37.1 | 37.3 | |
| 8.3 | | 47.8 | 10.4 | K |
| 9.5 | | 52.0 | 56.8 | |
| 9.5 | | 55.5 | 5.6 | |
| 9.2 | 44 | 24.0 | 1.5 | *a* |
| 7.2 | | 26.6 | 38.8 | K |
| 9.5 | | 35.9 | 13.5 | |
| 8.9 | | 37.1 | 5.2 | |
| 9.5 | | 53.2 | 55.4 | |
| 9.1 | 45 | 3.9 | 30.0 | *a* |
| 9.4 | | 8.7 | 10.0 | |
| 8.3 | | 23.5 | 33.2 | |
| 9.2 | | 32.6 | 3.9 | *a* |
| 9.5 | | 44.6 | 43.5 | |
| 9.5 | 46 | 0.9 | 28.7 | *a* |
| 8.5 | | 3.7 | 55.5 | K |
| 8.8 | | 14.3 | 3.9 | K |
| 9.4 | | 28.0 | 31.5 | *a* |
| 9.3 | | 44.1 | 20.0 | |
| 8.1 | | 48.6 | 20.9 | B |
| 9.5 | 47 | 14.1 | 50.5 | |
| 9.3 | | 20.4 | 44.8 | B |
| 9.5 | | 35.0 | 51.5 | |
| 9.4 | | 40.3 | 26.8 | *a* |
| 9.5 | | 42.7 | 28.4 | B |
| *10pr.* | | *23.28* | *0.61* | |

3381—3440

| m | 18ʰ | | +29° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.3 | 47 | 59.6 | 12.8 | *a* |
| 8.9 | 48 | 4.5 | 14.1 | B |
| 9.5 | | 5.2 | 58.0 | |
| 8.3 | | 5.9 | 28.1 | K |
| 8.8 | | 16.2 | 15.8 | |
| 8.5 | | 35.6 | 35.2 | K |
| 9.4 | | 37.3 | 19.5 | |
| 9.4 | | 48.6 | 14.2 | *a* |
| 9.0 | | 51.9 | 51.8 | K |
| 9.5 | 49 | 1.8 | 13.4 | *a* |
| 7.6 | | 13.6 | 51.0 | K |
| 9.1 | | 21.6 | 37.3 | *a* |
| 9.4 | | 24.3 | 48.3 | |
| 9.2 | | 25.3 | 17.0 | *a* |
| 9.5 | | 28.7 | 31.6 | |
| 9.5 | | 33.1 | 31.6 | |
| 9.3 | | 33.5 | 5.6 | *a* |
| 9.4 | | 33.9 | 45.9 | |
| 8.5 | | 48.3 | 2.3 | *Kb* |
| 9.5 | 50 | 0.8 | 12.9 | |
| 9.2 | | 2.1 | 36.1 | |
| 8.8 | | 8.5 | 24.4 | |
| 9.3 | | 26.0 | 0.7 | |
| 9.4 | | 32.8 | 22.6 | B |
| 9.5 | | 37.5 | 40.8 | |
| 9.5 | | 40.5 | 1.4 | |
| 9.2 | | 43.4 | 33.3 | *a* |
| 9.5 | | 55.0 | 6.8 | |
| 8.7 | | 58.1 | 38.5 | |
| 8.1 | 51 | 7.5 | 42.3 | B |
| 9.4 | | 24.6 | 12.2 | |
| 9.5 | | 39.0 | 36.7 | |
| 9.3 | | 39.5 | 37.2 | B |
| 9.2 | | 52.2 | 44.8 | |
| 9.5 | 52 | 1.4 | 37.3 | |
| 8.6 | | 12.0 | 54.3 | |
| 9.3 | | 22.7 | 37.5 | |
| 9.5 | | 29.8 | 25.4 | |
| 9.2 | | 32.2 | 13.1 | K |
| 9.2 | | 37.0 | 59.1 | *a* |
| 9.4 | | 55.5 | 4.6 | |
| 9.2 | 53 | 11.3 | 8.3 | K |
| 6.8 | | 14.6 | 59.0 | L |
| 9.3 | | 22.8 | 22.9 | |
| 9.2 | | 23.0 | 6.3 | K |
| 9.3 | | 35.8 | 35.7 | *a* |
| 8.9 | | 39.9 | 36.5 | B |
| 9.5 | | 42.6 | 33.4 | |
| 8.5 | | 43.1 | 24.5 | S |
| 9.2 | | 51.0 | 46.6 | |
| 9.5 | | 58.2 | 49.1 | |
| 8.9 | 54 | 5.8 | 36.9 | |
| 9.5 | | 26.4 | 1.9 | |
| 8.5 | | 28.7 | 11.7 | K |
| 9.2 | | 39.9 | 55.4 | |
| 9.4 | | 44.3 | 36.8 | *a* |
| 9.0 | | 47.6 | 31.0 | K |
| 9.1 | | 52.6 | 24.1 | K |
| 9.3 | | 53.6 | 23.4 | |
| 9.5 | 55 | 4.2 | 23.4 | |
| *10pr.* | | *23.34* | *0.74* | |

3441—3500

| m | 18ʰ—19ʰ | | +29° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 55 | 13.2 | 39.9 | |
| 9.2 | | 29.8 | 53.3 | *a* |
| 9.5 | | 35.8 | 6.0 | |
| 6.8 | | 40.6 | 19.2 | K |
| 8.2 | | 45.8 | 4.9 | K |
| 9.2 | 56 | 5.1 | 33.8 | *a* |
| 9.2 | | 6.6 | 46.1 | *a* |
| 9.1 | | 11.6 | 49.0 | K |
| 9.4 | | 23.0 | 57.5 | |
| 9.3 | | 44.3 | 3.6 | *a* |
| 9.5 | | 52.8 | 41.4 | *a* |
| 9.3 | | 54.5 | 26.2 | |
| 7.8 | | 59.3 | 4.7 | K |
| 9.5 | 57 | 7.7 | 48.3 | |
| 9.5 | | 16.9 | 17.9 | *a* |
| 9.5 | | 27.0 | 15.8 | |
| 7.8 | | 34.8 | 48.9 | B |
| 9.5 | | 58.2 | 45.2 | |
| 9.5 | 58 | 12.0 | 1.1 | |
| 8.9 | | 24.9 | 57.4 | *Kb* |
| 9.5 | | 28.0 | 44.7 | |
| 9.5 | | 33.2 | 44.9 | |
| 9.5 | | 37.3 | 41.9 | B |
| 9.3 | 59 | 11.2 | 31.5 | |
| 9.5 | | 14.3 | 25.9 | |
| 9.4 | | 42.6 | 33.5 | |
| 8.8 | | 43.5 | 11.9 | |
| 8.8 | | 43.7 | 8.2 | B |
| 9.2 | | 45.9 | 29.8 | B |
| 9.5 | | 47.6 | 5.8 | |
| 9.3 | 0 | 7.0 | 57.6 | |
| 6.5 | | 7.6 | 41.9 | K |
| 8.0 | | 9.8 | 6.7 | K |
| 9.3 | | 13.4 | 9.6 | |
| 8.8 | | 25.9 | 13.5 | B |
| 9.3 | | 36.0 | 28.0 | |
| 9.5 | | 36.6 | 7.0 | |
| 9.3 | | 39.1 | 52.0 | |
| 9.5 | | 52.2 | 46.6 | |
| 9.5 | | 54.3 | 56.2 | |
| 9.4 | 1 | 57.4 | 16.2 | |
| 9.0 | 2 | 7.0 | 13.5 | |
| 8.0 | | 15.1 | 34.5 | S |
| 8.9 | | 15.3 | 46.1 | |
| 9.2 | | 20.9 | 16.4 | *a* |
| 9.2 | | 38.1 | 13.7 | *a* |
| 9.5 | | 55.1 | 3.1 | |
| 8.7 | 3 | 6.3 | 7.8 | |
| 8.4 | | 13.5 | 49.4 | |
| 8.4 | | 17.5 | 43.1 | *B* |
| 9.1 | | 20.6 | 50.9 | |
| 8.1 | | 22.3 | 40.6 | *B* |
| 9.3 | | 23.6 | 16.0 | B |
| *9.5 | | 26.8 | 17.0 | *a* |
| 9.5 | | 49.8 | 5.3 | |
| 8.2 | | 51.7 | 7.6 | K |
| 9.2 | | 52.5 | 50.2 | *a* |
| 9.2 | 4 | 4.6 | 38.0 | |
| 9.2 | | 5.5 | 54.1 | |
| 9.5 | | 45.4 | 14.2 | *a* |
| *10pr.* | | *23.41* | *0.87* | |

3493 *a*
*var* | 3 24 | 25.8 |

3501—3560

| m | 19h | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 4 59.9 | 33.2 | |
| 9.3 | 5 8.8 | 46.6 | K |
| 9.5 | 13.0 | 0.7 | |
| 9.3 | 35.5 | 55.0 | K |
| 9.4 | 40.5 | 52.8 | Kb |
| 7.7 | 51.1 | 39.0 | L |
| 9.5 | 52.7 | 36.3 | |
| 9.4 | 55.0 | 47.9 | |
| 9.2 | 6 8.4 | 56.8 | K |
| 9.4 | 15.2 | 7.8 | |
| 8.7 | 23.9 | 28.6 | |
| 9.4 | 25.8 | 3.8 | |
| 9.1 | 45.0 | 57.1 | K |
| 8.2 | 47.5 | 46.0 | L |
| 9.5 | 7 0.8 | 18.5 | a |
| 9.5 | 20.2 | 42.2 | |
| 8.0 | 26.4 | 47.9 | L |
| 8.4 | 41.5 | 11.6 | |
| 9.2 | 44.8 | 22.2 | a |
| 9.5 | 8 5.6 | 40.5 | |
| 9.2 | 15.9 | 44.9 | |
| 9.1 | 16.3 | 24.4 | a |
| 9.4 | 42.2 | 46.6 | |
| 8.6 | 46.5 | 38.3 | |
| 8.8 | 50.9 | 30.7 | |
| 9.0 | 52.2 | 6.8 | K |
| 8.6 | 52.4 | 29.8 | B |
| 9.5 | 58.1 | 12.0 | |
| 8.0 | 9 15.9 | 16.6 | B |
| 9.5 | 34.7 | 39.0 | |
| 9.5 | 40.3 | 30.4 | |
| 9.0 | 45.8 | 26.2 | |
| 9.0 | 46.0 | 50.2 | K |
| 8.8 | 54.7 | 8.1 | K |
| 9.3 | 10 22.9 | 42.7 | |
| 9.5 | 28.6 | 2.4 | |
| 9.3 | 43.2 | 56.0 | a |
| nab | 54.5 | 55.0 | |
| 9.5 | 11 0.1 | 10.8 | |
| 9.5 | 17.9 | 0.2 | |
| 9.5 | 28.5 | 45.8 | |
| 8.7 | 32.7 | 34.3 | |
| 9.1 | 42.8 | 48.1 | a |
| 9.4 | 46.4 | 14.5 | |
| 9.5 | 12 15.1 | 39.8 | |
| 9.1 | 18.5 | 47.3 | a |
| 9.5 | 21.1 | 38.2 | |
| 8.8 | 21.6 | 31.6 | B |
| 9.4 | 37.8 | 21.6 | |
| 8.0 | 46.5 | 41.6 | K |
| 9.2 | 47.1 | 28.5 | a |
| 9.4 | 50.4 | 21.1 | |
| 9.5 | 56.3 | 37.6 | |
| 9.5 | 13 14.6 | 26.1 | |
| 9.4 | 23.4 | 58.8 | aB |
| 9.5 | 39.4 | 58.0 | |
| 9.5 | 48.4 | 19.7 | |
| 9.4 | 14 3.9 | 38.5 | |
| 9.5 | 26.2 | 41.5 | |
| 9.0 | 40.1 | 25.7 | |
| 10pr. | + 23.50 | + 1.00 | |

3561—3620

| m | 19h | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 8.8 | 14 45.4 | 20.3 | |
| 9.5 | 46.8 | 35.6 | |
| 9.5 | 59.5 | 17.2 | |
| 9.4 | 15 4.7 | 55.8 | aB |
| 9.5 | 9.2 | 59.2 | a |
| 8.6 | 40.4 | 31.6 | |
| 8.8 | 50.7 | 55.8 | |
| 7.2 | 16 0.5 | 38.2 | L |
| 9.2 | 5.3 | 13.3 | |
| 9.5 | 9.1 | 29.6 | |
| 8.4 | 19.2 | 51.6 | |
| 9.5 | 54.8 | 30.5 | B |
| 8.8 | 17 1.3 | 40.9 | |
| 9.5 | 3.4 | 29.3 | a |
| 9.4 | 4.9 | 29.7 | B |
| 7.5 | 6.5 | 59.5 | Lb |
| 9.5 | 8.3 | 23.2 | |
| 9.5 | 24.1 | 30.6 | |
| 9.4 | 28.5 | 13.4 | K |
| 9.1 | 34.1 | 36.7 | |
| 9.5 | 39.4 | 31.1 | a |
| 9.5 | 18 5.0 | 57.9 | |
| 9.0 | 16.5 | 0.1 | |
| 5.2 | 24.5 | 20.2 | Kb |
| 9.5 | 25.7 | 59.5 | a |
| 9.5 | 54.1 | 17.5 | |
| 9.3 | 19 8.4 | 33.3 | |
| 8.9 | 19.0 | 43.4 | |
| 9.5 | 50.0 | 18.6 | |
| 9.0 | 51.9 | 29.1 | |
| 9.3 | 56.3 | 22.9 | B |
| 9.0 | 20 18.4 | 14.3 | R |
| 9.5 | 29.9 | 41.5 | |
| 9.5 | 44.5 | 12.2 | B |
| 9.0 | 50.5 | 38.3 | |
| 9.3 | 51.3 | 12.2 | B |
| 8.5 | 21 2.8 | 11.6 | K |
| 9.5 | 15.2 | 44.3 | |
| 9.5 | 40.9 | 25.8 | B |
| 9.3 | 41.7 | 36.7 | |
| 9.5 | 42.7 | 23.8 | a |
| 8.9 | 43.4 | 10.3 | B |
| 9.5 | 55.1 | 31.3 | |
| 9.5 | 56.3 | 18.7 | |
| 9.4 | 22 3.4 | 55.2 | |
| 9.3 | 15.0 | 2.7 | |
| 9.5 | 21.6 | 33.0 | |
| 8.5 | 27.2 | 23.9 | |
| 7.0 | 29.3 | 9.3 | Kb |
| 8.6 | 57.1 | 54.5 | |
| 9.3 | 59.0 | 5.9 | |
| 9.0 | 23 1.9 | 18.7 | K |
| 9.4 | 31.1 | 24.9 | B |
| 9.2 | 47.3 | 42.9 | K |
| 9.5 | 52.7 | 34.6 | a |
| 9.5 | 24 12.7 | 19.2 | |
| 9.0 | 15.3 | 0.8 | |
| 8.8 | 26.5 | 46.9 | K |
| 9.5 | 33.0 | 24.4 | a |
| 9.0 | 54.2 | 36.5 | |
| 10pr. | + 23.61 | + 1.14 | |

3621—3680

| m | 19h | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 25 1.3 | 8.0 | |
| 9.4 | 15.8 | 42.4 | |
| 8.5 | 20.5 | 24.1 | |
| 9.5 | 36.0 | 55.5 | |
| 9.4 | 38.4 | 51.2 | B |
| 9.5 | 39.6 | 20.0 | |
| 9.5 | 57.5 | 43.4 | |
| 8.0 | 26 13.8 | 53.1 | L |
| 8.8 | 21.7 | 28.6 | |
| 9.4 | 35.7 | 44.2 | |
| 9.5 | 36.3 | 36.3 | |
| 9.2 | 39.9 | 19.5 | |
| 9.0 | 49.1 | 32.1 | |
| 9.5 | 55.0 | 57.7 | |
| 9.5 | 59.3 | 16.8 | |
| 9.1 | 27 0.6 | 3.0 | Bb |
| 9.5 | 5.5 | 42.3 | |
| 9.4 | 7.1 | 10.1 | |
| 8.6 | 30.3 | 23.4 | K |
| 9.5 | 38.0 | 46.3 | |
| 9.5 | 41.6 | 58.6 | a |
| 8.8 | 53.5 | 6.6 | B |
| 9.4 | 57.5 | 21.3 | |
| 9.5 | 28 4.8 | 11.6 | |
| 9.5 | 25.2 | 53.0 | |
| 9.3 | 25.6 | 15.8 | |
| 9.3 | 34.3 | 3.2 | |
| 9.5 | 42.7 | 46.9 | |
| 9.5 | 46.3 | 8.9 | |
| 9.3 | 50.5 | 54.8 | |
| 5.8 | 29 5.2 | 8.5 | Kb |
| 9.3 | 10.7 | 36.1 | |
| 8.3 | 16.0 | 27.9 | R |
| 9.4 | 37.1 | 6.4 | |
| 8.3 | 42.7 | 44.2 | |
| 8.9 | 47.9 | 24.7 | |
| 9.5 | 30 15.3 | 11.3 | |
| 9.0 | 15.8 | 5.2 | |
| 9.5 | 22.0 | 57.1 | B |
| 9.2 | 26.3 | 29.8 | a |
| 9.2 | 29.5 | 50.8 | a |
| 9.5 | 31.1 | 13.5 | |
| 9.5 | 35.2 | 1.9 | |
| 9.2 | 36.5 | 15.0 | a |
| 9.4 | 37.0 | 46.4 | |
| 9.1 | 42.6 | 43.9 | ab |
| 9.5 | 31 1.0 | 8.5 | |
| 9.5 | 11.2 | 42.2 | |
| 9.3 | 17.8 | 42.9 | a |
| 6.8 | 23.2 | 0.7 | B |
| 9.5 | 27.1 | 6.3 | |
| 7.5 | 43.8 | 16.9 | L |
| 8.5 | 57.2 | 4.1 | K |
| 9.5 | 58.5 | 53.7 | |
| 9.4 | 59.0 | 0.8 | a |
| 9.3 | 32 14.6 | 55.6 | |
| 9.4 | 19.6 | 49.0 | a |
| 9.3 | 20.2 | 53.5 | |
| 9.5 | 23.8 | 51.9 | |
| 9.5 | 27.9 | 36.0 | |
| 10pr. | + 23.72 | + 1.27 | |

3681—3740

| m | 19h | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.2 | 32 52.6 | 33.0 | a |
| 9.5 | 33 0.0 | 11.6 | a |
| 9.3 | 11.5 | 13.8 | K |
| 5.3 | 39.5 | 48.8 | Lb |
| 8.5 | 41.1 | 35.5 | K |
| 7.6 | 49.6 | 25.1 | K |
| *9.3 | 34 5.5 | 48.8 | K |
| 8.9 | 7.0 | 2.0 | |
| 9.4 | 7.2 | 40.5 | |
| 9.3 | 8.1 | 6.4 | |
| 9.5 | 19.7 | 23.0 | |
| 9.2 | 48.5 | 58.5 | Kb |
| 9.3 | 49.7 | 54.7 | |
| 9.4 | 35 6.3 | 7.0 | |
| 9.3 | 29.9 | 24.2 | |
| 9.3 | 40.7 | 8.2 | |
| 9.4 | 53.2 | 53.9 | |
| 9.4 | 36 4.1 | 31.2 | |
| 9.5 | 13.7 | 24.7 | |
| 8.8 | 24.6 | 50.2 | |
| 9.3 | 25.8 | 5.2 | |
| 8.0 | 26.0 | 9.2 | Kb |
| 9.1 | 37.1 | 12.2 | |
| 9.0 | 38.5 | 54.5 | |
| 9.5 | 54.4 | 8.2 | |
| 9.5 | 37 7.2 | 1.0 | a |
| 9.5 | 14.7 | 14.3 | |
| 9.4 | 15.5 | 19.9 | |
| 9.2 | 22.1 | 44.4 | |
| 7.3 | 30.8 | 53.5 | Kb |
| 9.3 | 42.7 | 18.0 | |
| 9.4 | 45.8 | 2.0 | |
| 9.5 | 49.5 | 39.0 | |
| 9.1 | 38 11.8 | 42.0 | a |
| 9.3 | 19.1 | 53.1 | |
| 9.0 | 23.6 | 36.5 | |
| 9.5 | 40.4 | 47.7 | a |
| 9.4 | 46.3 | 47.8 | B |
| 9.3 | 50.0 | 20.7 | |
| 9.2 | 57.5 | 37.5 | a |
| 8.2 | 58.8 | 24.9 | |
| 8.6 | 39 11.5 | 24.9 | |
| 9.1 | 16.3 | 46.9 | |
| 8.1 | 17.1 | 14.5 | K |
| 9.5 | 28.6 | 17.9 | |
| 9.5 | 30.7 | 44.6 | |
| 9.3 | 31.1 | 29.5 | |
| 9.5 | 40.8 | 47.0 | |
| 9.3 | 50.7 | 39.5 | a |
| 8.3 | 57.5 | 54.3 | |
| 9.4 | 40 0.4 | 58.7 | |
| 9.3 | 8.2 | 54.8 | |
| 8.5 | 18.5 | 23.9 | K |
| 9.0 | 27.0 | 1.7 | |
| 9.5 | 28.0 | 3.3 | |
| 8.8 | 39.2 | 48.8 | |
| 9.0 | 50.7 | 41.8 | |
| 8.8 | 55.3 | 6.1 | |
| 9.2 | 41 1.5 | 21.4 | K |
| 8.4 | 3.7 | 10.8 | |
| 10pr. | + 23.83 | + 1.38 | |

3741—3800

| m | 19h | +29° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 41 16.3 | 24.9 | |
| 9.5 | 26.2 | 22.4 | |
| 9.3 | 28.8 | 55.5 | Kb |
| 8.9 | 39.3 | 5.7 | |
| 9.4 | 48.8 | 42.9 | |
| 9.5 | 53.4 | 39.0 | |
| 9.3 | 42 3.0 | 55.3 | |
| 8.8 | 18.3 | 30.1 | |
| 9.4 | 21.1 | 6.9 | |
| 9.3 | 21.9 | 27.4 | a |
| 9.2 | 30.2 | 15.6 | |
| 9.0 | 43.3 | 3.0 | K |
| 9.3 | 52.7 | 41.8 | |
| 7.7 | 53.5 | 2.7 | K |
| 9.4 | 43 7.9 | 26.7 | |
| 8.5 | 14.9 | 30.7 | |
| 9.4 | 30.9 | 47.2 | |
| 9.5 | 38.1 | 14.5 | |
| 9.3 | 39.5 | 58.2 | a |
| 8.3 | 42.7 | 0.8 | L |
| 8.3 | 46.8 | 29.9 | |
| 9.4 | 48.2 | 42.2 | B |
| 8.8 | 50.8 | 18.1 | |
| 9.5 | 53.1 | 46.2 | |
| 9.0 | 55.3 | 20.6 | |
| 9.4 | 44 15.8 | 53.5 | |
| 8.5 | 28.9 | 39.2 | |
| 9.5 | 35.8 | 1.0 | |
| 9.3 | 40.1 | 15.3 | |
| 9.3 | 44.0 | 1.6 | |
| 9.2 | 46.1 | 50.3 | ab |
| 9.5 | 56.0 | 2.5 | |
| 9.4 | 59.7 | 49.5 | |
| 9.3 | 45 3.0 | 2.2 | |
| 9.5 | 4.8 | 13.4 | |
| 9.3 | 11.9 | 48.2 | |
| 9.4 | 34.7 | 13.2 | |
| 9.5 | 46 16.5 | 30.3 | |
| 9.2 | 24.0 | 2.2 | |
| 9.4 | 24.6 | 26.8 | a |
| 9.4 | 31.3 | 41.9 | |
| 8.9 | 52.1 | 40.4 | |
| 8.3 | 47 4.1 | 49.1 | |
| 9.5 | 6.2 | 7.0 | a |
| 9.5 | 8.0 | 4.7 | B |
| 9.4 | 9.7 | 58.9 | |
| 9.5 | 14.1 | 2.9 | |
| 9.2 | 23.0 | 54.8 | aB |
| 9.4 | 30.0 | 2.3 | |
| 9.2 | 32.1 | 0.3 | Bb |
| 9.1 | 52.1 | 28.0 | K |
| 9.5 | 48 5.5 | 57.1 | |
| 9.0 | 31.4 | 47.5 | |
| 9.3 | 32.8 | 18.2 | |
| 8.2 | 35.4 | 38.4 | K |
| 9.4 | 42.7 | 1.0 | |
| 9.2 | 52.6 | 18.0 | |
| 9.5 | 49 3.2 | 18.5 | |
| 8.4 | 8.1 | 46.1 | K |
| 9.5 | 11.4 | 27.5 | a |
| 10pr. | + 23.93 | + 1.47 | |

3686a

| | | | | |
|---|---|---|---|---|
| 9.5 | 34 | 4.5 | 57.6 | a |

3801—3860

| | 19ᵉ | +29° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.1 | 49 18.1 | 42.4 | |
| 6.9 | 19.9 | 49.0 | K |
| 9.2 | 28.5 | 44.0 | |
| 9.5 | 30.2 | 19.9 | |
| 8.1 | 31.6 | 36.5 | K |
| 9.3 | 36.3 | 58.5 | |
| 9.3 | 40.9 | 12.2 | |
| 9.5 | 43.3 | 3.5 | |
| 7.9 | 46.0 | 8.0 | K |
| 9.4 | 50 0.0 | 4.0 | |
| 8.9 | 18.6 | 26.8 | |
| 9.3 | 20.8 | 33.7 | |
| 9.5 | 28.2 | 37.8 | |
| 9.5 | 51.6 | 35.9 | |
| 8.5 | 51 0.0 | 8.9 | K |
| 8.8 | 2.1 | 33.4 | |
| 9.0 | 3.6 | 24.8 | |
| 8.8 | 21.7 | 33.2 | |
| 9.2 | 21.9 | 55.6 | *aB* |
| 8.2 | 24.0 | 25.8 | *B* |
| 9.4 | 39.8 | 55.6 | B |
| 9.4 | 46.5 | 14.2 | |
| 9.3 | 51.9 | 8.8 | |
| 9.2 | 54.4 | 18.2 | |
| 9.3 | 52 3.0 | 57.0 | |
| 9.4 | 7.9 | 24.9 | |
| 9.5 | 9.4 | 44.4 | |
| 9.5 | 34.1 | 46.6 | |
| 7.9 | 48.3 | 32.9 | *B* |
| 8.8 | 53 6.3 | 58.5 | B |
| 9.3 | 16.2 | 17.0 | |
| 9.2 | 17.9 | 53.4 | |
| 9.5 | 18.2 | 7.4 | |
| 9.5 | 30.0 | 30.9 | *a* |
| 9.5 | 35.1 | 12.3 | |
| 9.2 | 54 1.0 | 21.2 | |
| 9.2 | 1.0 | 32.6 | *a* |
| 7.0 | 26.3 | 30.9 | *B* |
| 7.4 | 29.4 | 25.2 | *B* |
| 8.5 | 31.9 | 5.7 | |
| 9.3 | 35.2 | 16.3 | |
| 9.5 | 46.1 | 58.8 | |
| 9.3 | 47.0 | 36.0 | |
| 8.2 | 48.4 | 29.6 | B |
| 8.1 | 56.5 | 25.8 | B |
| 9.5 | 56.5 | 34.3 | |
| 9.5 | 55 1.3 | 48.9 | |
| 9.3 | 5.4 | 15.8 | |
| 9.4 | 9.9 | 32.0 | |
| 9.5 | 18.7 | 47.5 | |
| 9.0 | 24.9 | 10.6 | K |
| 9.1 | 25.2 | 34.8 | *a* |
| 9.5 | 31.5 | 42.0 | *a* |
| 9.5 | 36.4 | 19.3 | |
| 8.5 | 38.8 | 37.6 | |
| 9.3 | 41.4 | 10.7 | *a* |
| 8.1 | 42.3 | 48.7 | *B* |
| 8.6 | 50.8 | 7.0 | K |
| 8.9 | 54.9 | 26.5 | |
| 9.0 | 56.6 | 57.3 | |
| | + | + | |
| *10pr.* | *24.06* | *1.58* | |

3861—3920

| | 19ᵉ—20ᵉ | +29° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.5 | 56 4.3 | 29.2 | |
| 9.5 | 5.7 | 24.9 | |
| 9.1 | 10.3 | 10.9 | K |
| 9.0 | 28.7 | 44.0 | |
| 9.1 | 37.5 | 40.2 | *a* |
| 9.4 | 41.4 | 5.7 | |
| 8.9 | 50.3 | 14.1 | K |
| 9.5 | 50.8 | 34.3 | |
| 9.5 | 57 12.9 | 49.5 | |
| 9.2 | 13.3 | 37.3 | K |
| 8.5 | 34.2 | 33.0 | K |
| 6.0 | 40.1 | 30.6 | B |
| 7.5 | 53.3 | 34.6 | K |
| 9.5 | 56.3 | 20.7 | B |
| 8.3 | 59.2 | 38.5 | K |
| 9.1 | 58 17.8 | 45.9 | *a* |
| 9.2 | 19.4 | 24.0 | |
| 9.5 | 27.5 | 21.0 | *a* |
| 9.2 | 29.0 | 8.4 | |
| 8.9 | 34.6 | 2.2 | |
| 9.5 | 40.1 | 29.2 | |
| 9.0 | 45.3 | 51.4 | K |
| 9.5 | 51.3 | 34.8 | |
| 9.3 | 51.9 | 40.8 | |
| 9.3 | 59.2 | 3.2 | *a* |
| 9.4 | 59 18.6 | 56.7 | |
| 8.5 | 38.4 | 27.4 | |
| 9.5 | 43.8 | 56.1 | |
| 8.1 | 53.5 | 54.8 | K |
| 8.9 | 56.5 | 17.1 | |
| 9.0 | 59.3 | 20.8 | |
| 8.8 | 0 1.3 | 20.8 | |
| 8.5 | 3.0 | 4.2 | |
| 9.5 | 15.9 | 31.6 | |
| 9.5 | 41.0 | 35.1 | |
| 9.5 | 1 8.4 | 43.2 | *a* |
| 8.8 | 9.5 | 18.3 | K |
| 9.4 | 33.3 | 21.3 | |
| 9.5 | 37.6 | 58.7 | |
| 9.3 | 40.8 | 30.1 | *a* |
| 9.1 | 46.2 | 10.9 | *a* |
| 9.4 | 46.3 | 43.5 | B |
| 9.5 | 57.9 | 47.5 | |
| 9.5 | 2 3.1 | 2.7 | |
| 9.4 | 13.3 | 30.5 | B |
| 9.5 | 25.0 | 12.6 | |
| 9.0 | 27.3 | 24.0 | |
| 8.8 | 31.7 | 34.3 | |
| 8.3 | 34.1 | 52.3 | |
| 8.8 | 49.6 | 55.2 | |
| 8.7 | 3 4.3 | 43.5 | K |
| 9.5 | 9.4 | 22.5 | |
| 9.5 | 16.2 | 29.9 | |
| 9.5 | 27.1 | 43.7 | |
| 9.4 | 28.3 | 48.2 | K |
| 9.2 | 33.0 | 37.5 | *a* |
| 9.4 | 43.2 | 37.0 | *a* |
| 9.0 | 44.3 | 47.4 | K |
| 8.0 | 50.4 | 18.0 | L |
| 8.6 | 4 10.5 | 18.5 | L |
| | + | + | |
| *10pr.* | *24.17* | *1.67* | |

3921—3980

| | 20ᵉ | +29° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 4 14.3 | 15.4 | |
| 9.2 | 16.8 | 5.7 | *a* |
| 9.5 | 23.3 | 48.7 | |
| 8.7 | 23.3 | 12.9 | L |
| 9.4 | 32.4 | 29.0 | B |
| 7.7 | 41.7 | 50.3 | *Kb* |
| 9.2 | 5 5.1 | 21.5 | *a* |
| 8.0 | 11.2 | 16.6 | |
| 9.5 | 13.2 | 29.4 | |
| 9.1 | 19.3 | 55.1 | K |
| 8.7 | 23.4 | 3.5 | B |
| 9.5 | 44.1 | 42.2 | |
| 9.4 | 47.7 | 18.0 | |
| 9.3 | 6 12.0 | 51.2 | |
| 8.9 | 28.6 | 56.1 | K |
| 9.5 | 47.9 | 7.6 | *a* |
| 9.5 | 50.7 | 58.8 | |
| 9.3 | 52.1 | 18.3 | |
| 9.4 | 54.8 | 56.9 | |
| 8.8 | 56.3 | 51.4 | *Kb* |
| 9.5 | 7 3.3 | 10.1 | *a* |
| 9.5 | 36.5 | 45.3 | |
| 9.5 | 57.0 | 18.5 | |
| 9.4 | 57.6 | 16.1 | |
| 9.1 | 8 14.8 | 55.2 | *a* |
| 9.0 | 17.7 | 12.6 | |
| 9.0 | 19.2 | 2.0 | K |
| 7.0 | 25.8 | 46.2 | K |
| 8.7 | 47.0 | 59.9 | |
| 9.3 | 47.9 | 19.5 | |
| 9.5 | 59.6 | 5.2 | |
| 8.8 | 9 2.3 | 26.9 | K |
| 8.9 | 4.2 | 31.7 | K |
| 9.2 | 6.0 | 40.8 | *a* |
| 9.3 | 14.7 | 44.4 | B |
| 9.3 | 17.1 | 52.1 | |
| 9.4 | 19.0 | 44.6 | B |
| 9.4 | 25.3 | 44.5 | B |
| 8.0 | 28.0 | 34.5 | K |
| 9.5 | 42.0 | 0.2 | |
| 9.5 | 51.3 | 9.0 | |
| 9.4 | 10 13.3 | 4.2 | B |
| 9.4 | 28.3 | 12.1 | |
| 8.6 | 28.3 | 19.5 | |
| 9.2 | 33.9 | 49.2 | |
| 9.3 | 36.3 | 28.8 | B |
| 9.4 | 51.5 | 8.5 | |
| 8.0 | 11 5.6 | 40.0 | |
| 8.4 | 5.7 | 45.3 | |
| 8.9 | 14.0 | 2.1 | |
| 8.8 | 14.4 | 44.4 | |
| 9.5 | 14.8 | 56.7 | |
| 8.7 | 15.3 | 40.3 | |
| 9.5 | 17.8 | 59.4 | |
| 9.3 | 21.8 | 51.5 | B |
| 9.1 | 35.0 | 17.1 | *a* |
| 7.8 | 39.3 | 52.1 | *B* |
| 9.5 | 52.0 | 32.4 | |
| 9.5 | 12 1.7 | 18.4 | |
| 9.5 | 7.4 | 41.5 | |
| | + | + | |
| *10pr.* | *24.32* | *1.79* | |

3981—4040

| | 20ᵉ | +29° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 12 8.2 | 11.4 | |
| 9.1 | 18.1 | 59.2 | |
| 9.1 | 29.8 | 35.4 | *a* |
| 8.1 | 33.0 | 55.1 | *Kb* |
| 9.4 | 33.4 | 40.3 | |
| 9.5 | 54.1 | 57.8 | |
| 9.5 | 56.4 | 39.1 | |
| 9.4 | 59.4 | 13.5 | |
| 7.2 | 13 14.8 | 2.8 | K |
| 8.9 | 27.6 | 28.9 | |
| 9.3 | 39.0 | 28.7 | *a* |
| 6.8 | 55.2 | 16.4 | K |
| 9.3 | 56.4 | 59.2 | *aB* |
| 9.0 | 14 12.1 | 59.1 | |
| 8.5 | 27.8 | 24.7 | |
| 9.5 | 32.0 | 45.4 | |
| 8.4 | 36.4 | 31.1 | B |
| 9.4 | 41.5 | 50.7 | |
| 9.5 | 15 8.8 | 2.7 | *a* |
| 9.5 | 21.8 | 55.1 | |
| 8.0 | 26.3 | 44.4 | K |
| 9.4 | 31.0 | 39.3 | B |
| 8.9 | 32.1 | 54.1 | |
| 9.5 | 36.5 | 2.5 | |
| 9.1 | 54.7 | 1.1 | *a* |
| 9.4 | 59.8 | 41.9 | |
| 9.5 | 16 5.9 | 13.9 | |
| 9.5 | 16.4 | 56.1 | |
| 9.2 | 18.0 | 48.2 | *a* |
| 8.7 | 20.1 | 0.0 | |
| 8.2 | 25.8 | 39.2 | B |
| 9.5 | 43.1 | 58.8 | |
| 9.4 | 47.3 | 2.7 | |
| 9.0 | 17 5.3 | 4.9 | K |
| 9.3 | 10.9 | 36.8 | |
| 9.5 | 20.8 | 1.5 | |
| 9.2 | 21.3 | 6.5 | *a* |
| 9.3 | 21.8 | 13.9 | *a* |
| 9.3 | 31.0 | 38.6 | *a* |
| 9.3 | 31.2 | 52.1 | *a* |
| 9.5 | 52.6 | 0.6 | |
| 9.5 | 18 8.8 | 46.7 | |
| 9.1 | 15.4 | 29.9 | *ab* |
| 9.3 | 35.7 | 18.5 | *a* |
| 8.8 | 50.1 | 8.6 | |
| 9.5 | 19 11.3 | 41.9 | |
| 8.8 | 17.2 | 17.3 | B |
| 9.1 | 32.9 | 33.6 | *ab* |
| 9.4 | 45.0 | 53.3 | *a* |
| 9.5 | 47.8 | 34.8 | |
| 9.4 | 20 7.6 | 55.9 | B |
| 9.3 | 8.3 | 5.7 | |
| 9.5 | 22.2 | 45.7 | |
| 9.3 | 29.4 | 56.0 | *aB* |
| 9.4 | 39.9 | 40.4 | B |
| 9.2 | 52.1 | 40.5 | B |
| 9.4 | 21 1.5 | 6.7 | |
| 7.5 | 4.0 | 53.6 | *Kb* |
| 9.5 | 6.5 | 4.5 | |
| 9.4 | 46.8 | 53.1 | *a* |
| | + | + | |
| *10pr.* | *24.46* | *1.88* | |

4041—4100

| | 20ᵉ | +29° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.8 | 21 50.6 | 28.2 | |
| 9.3 | 54.1 | 44.0 | |
| 8.9 | 55.5 | 38.3 | |
| 8.2 | 22 5.3 | 39.1 | L |
| 9.1 | 17.4 | 20.8 | *a* |
| 9.2 | 17.4 | 6.2 | *a* |
| 9.5 | 21.3 | 55.2 | |
| 9.2 | 38.0 | 16.6 | *a* |
| 9.5 | 43.7 | 45.2 | |
| 9.5 | 43.8 | 50.3 | |
| 9.0 | 45.6 | 32.6 | |
| 8.3 | 58.4 | 28.9 | |
| 9.0 | 23 7.3 | 27.1 | |
| 9.4 | 12.7 | 42.2 | |
| 8.9 | 15.5 | 55.6 | K |
| 9.2 | 23.0 | 19.0 | *a* |
| 4.2 | 28.9 | 52.7 | *Kb* |
| 9.4 | 29.3 | 30.4 | |
| 9.0 | 38.1 | 11.1 | B |
| 9.1 | 40.6 | 10.9 | B |
| 9.5 | 24 7.1 | 59.9 | |
| 9.5 | 15.3 | 9.6 | |
| 9.5 | 15.4 | 0.4 | B |
| 9.5 | 44.3 | 16.9 | |
| 9.5 | 47.7 | 54.1 | *a* |
| 9.4 | 52.7 | 51.5 | *aB* |
| 8.7 | 57.9 | 47.7 | K |
| 9.5 | 25 11.8 | 42.2 | |
| 9.4 | 13.5 | 2.1 | |
| 8.3 | 19.6 | 14.4 | B |
| 9.5 | 30.4 | 25.2 | |
| 8.9 | 46.2 | 36.6 | B |
| 9.2 | 47.2 | 38.0 | |
| 7.5 | 47.6 | 45.9 | K |
| 8.9 | 26 0.3 | 0.8 | K |
| 9.5 | 24.1 | 35.0 | |
| 9.5 | 48.7 | 6.5 | |
| 9.0 | 51.6 | 51.6 | |
| 9.5 | 55.0 | 37.3 | |
| 7.5 | 27 23.5 | 2.0 | L |
| 9.2 | 30.0 | 7.0 | *a* |
| 8.9 | 30.1 | 16.9 | K |
| 9.3 | 49.8 | 37.8 | |
| 9.5 | 53.4 | 21.3 | |
| 8.3 | 58.4 | 11.1 | K |
| 9.5 | 28 17.6 | 58.0 | |
| 9.5 | 47.7 | 26.2 | B |
| 9.4 | 47.9 | 55.1 | |
| 9.5 | 58.2 | 39.3 | |
| 9.4 | 29 4.4 | 28.0 | |
| 8.9 | 7.5 | 30.7 | |
| 7.8 | 10.3 | 45.7 | K |
| 9.5 | 11.1 | 48.7 | |
| 9.0 | 15.3 | 53.1 | |
| 9.1 | 21.3 | 37.3 | *a* |
| 9.4 | 40.9 | 15.4 | |
| 8.6 | 59.8 | 55.6 | *Kb* |
| 9.5 | 30 11.3 | 48.7 | |
| 9.5 | 14.3 | 40.0 | |
| 9.5 | 14.8 | 30.1 | |
| | + | + | |
| *10pr.* | *24.62* | *1.98* | |

| 4101—4160 | | | | 4161—4220 | | | | 4221—4280 | | | | 4281—4340 | | | | 4341—4400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | +29° | | | 20ᵘ | +29° | | | 20ᵘ | +29° | | | 20ᵘ—21ᵘ | +29° | | | 21ᵘ | +29° | |
| m | ° ′ ″ | ′ | | m | ° ′ ″ | ′ | | m | ° ′ ″ | ′ | | m | ° ′ ″ | ′ | | m | ° ′ ″ | ′ | |
| 9.3 | 30 18.9 | 45.2 | | 9.5 | 39 7.3 | 42.0 | | 6.6 | 47 2.3 | 6.7 | K | 9.5 | 55 28.4 | 33.4 | | 9.5 | 5 21.1 | 46.5 | |
| 9.5 | 50.5 | 25.2 | | 9.5 | 9.2 | 51.8 | | 9.3 | 26.1 | 30.0 | | 7.8 | 36.0 | 4.0 | L | 6.8 | 37.8 | 7.2 | K |
| 9.3 | 57.7 | 56.4 | *a* | 9.0 | 9.3 | 44.5 | B | 9.5 | 33.2 | 52.1 | | 8.5 | 41.8 | 58.6 | | 9.0 | 46.3 | 24.5 | |
| 9.5 | 58.3 | 19.7 | | 8.3 | 9.7 | 23.4 | K | 9.5 | 35.2 | 19.4 | | 7.5 | 56 10.3 | 57.1 | K | 8.9 | 6 25.7 | 55.1 | |
| 9.2 | 58.7 | 2.5 | *a* | 9.3 | 13.0 | 35.0 | | 9.5 | 42.6 | 55.5 | | 8.8 | 51.5 | 30.5 | | 9.5 | 33.2 | 51.2 | |
| 9.5 | 31 9.8 | 47.7 | | 9.1 | 13.2 | 26.0 | B | 9.0 | 48 4.0 | 8.8 | | 8.4 | 52.2 | 24.0 | K | 9.2 | 39.4 | 7.6 | |
| 9.5 | 20.2 | 6.2 | | 9.0 | 18.0 | 44.6 | B | 8.9 | 4.9 | 10.4 | B | 9.3 | 57.6 | 2.7 | | 8.2 | 40.0 | 59.0 | *B* |
| 8.7 | 28.4 | 27.1 | | 9.5 | 46.0 | 54.1 | | 9.2 | 16.3 | 7.2 | *a* | 9.4 | 57 8.8 | 38.2 | B | 3.0 | 46.3 | 37.8 | K |
| 8.6 | 32.6 | 59.0 | | 9.5 | 57.9 | 16.0 | | 9.5 | 23.7 | 38.8 | | 9.5 | 10.5 | 50.8 | | 7.9 | 58.3 | 25.4 | B |
| 8.5 | 34.1 | 40.3 | | 9.5 | 40 2.8 | 0.7 | | 9.5 | 35.3 | 16.1 | *a* | 9.5 | 14.4 | 45.4 | B | 9.0 | 7 6.4 | 4.7 | |
| 9.5 | 40.3 | 33.6 | | 9.5 | 13.3 | 7.6 | | 9.5 | 49 2.1 | 51.8 | | 9.4 | 23.7 | 21.3 | B | 9.4 | 9.0 | 12.6 | |
| 8.0 | 49.8 | 12.9 | K | 9.1 | 13.8 | 1.6 | B | 9.5 | 7.6 | 32.4 | | 8.7 | 24.3 | 54.8 | | 9.5 | 30.3 | 5.7 | |
| 9.4 | 53.6 | 0.5 | | 9.5 | 17.0 | 39.3 | | 9.5 | 7.8 | 46.7 | | 9.2 | 27.5 | 12.9 | *a* | 9.5 | 55.0 | 51.1 | |
| 9.2 | 56.5 | 57.5 | *a* | 9.4 | 23.2 | 53.8 | | 8.9 | 16.8 | 12.6 | K | 9.4 | 37.8 | 54.6 | *a* | 7.0 | 57.8 | 17.8 | L |
| 9.0 | 32 3.7 | 27.4 | | 9.4 | 26.5 | 2.3 | *a* | 9.5 | 25.7 | 59.7 | | 9.5 | 53.6 | 11.1 | *a* | 9.4 | 8 1.1 | 21.9 | B |
| 8.5 | 7.9 | 22.8 | | 9.0 | 30.6 | 9.1 | | 9.3 | 35.5 | 26.9 | | 9.0 | 56.5 | 27.1 | | 8.3 | 11.2 | 31.6 | |
| 9.2 | 28.5 | 14.2 | B | 9.2 | 41 3.4 | 55.6 | *a* | 9.3 | 37.1 | 44.7 | | 9.4 | 58 0.3 | 27.4 | *a* | 9.3 | 13.7 | 10.0 | |
| 9.5 | 29.3 | 15.2 | *a* | 8.9 | 25.3 | 52.1 | | 9.2 | 39.5 | 30.2 | B | 9.5 | 37.2 | 45.0 | | 9.4 | 57.3 | 52.1 | |
| 9.5 | 30.5 | 14.3 | *a* | 9.5 | 28.3 | 44.2 | B | 9.2 | 50 4.2 | 20.0 | *a* | 9.5 | 40.0 | 54.8 | | 9.1 | 59.4 | 15.8 | *ab* |
| 9.5 | 33 0.1 | 14.3 | | 9.4 | 42.3 | 9.1 | *a* | 8.3 | 17.3 | 44.2 | K | 9.1 | 43.3 | 27.7 | *aB* | 9.5 | 9 8.2 | 38.3 | |
| 6.5 | 1.3 | 49.6 | L | 8.0 | 44.1 | 6.3 | B | 9.3 | 26.9 | 39.3 | *a* | 9.5 | 56.5 | 13.1 | B | 9.4 | 10 15.0 | 5.9 | *a* |
| 9.5 | 6.8 | 30.9 | | 8.9 | 45.2 | 33.4 | | 9.1 | 29.5 | 15.1 | *a* | 9.5 | 59 19.3 | 50.7 | | 9.3 | 19.7 | 8.9 | B |
| 9.5 | 16.8 | 6.7 | | 9.4 | 54.5 | 59.9 | | 9.3 | 32.0 | 43.2 | *a* | 9.3 | 24.5 | 39.8 | *a* | 9.4 | 24.7 | 25.2 | |
| 7.8 | 36.8 | 59.6 | K | 9.3 | 42 3.3 | 38.8 | *a* | 9.5 | 40.4 | 53.6 | | 8.8 | 25.9 | 6.7 | | 9.2 | 28.2 | 19.4 | |
| 9.5 | 37.7 | 6.2 | | 9.3 | 8.0 | 35.4 | | 9.4 | 40.8 | 39.1 | B | 9.5 | 27.8 | 0.7 | *a* | 8.8 | 44.7 | 37.1 | |
| 9.5 | 34 2.9 | 39.5 | | 9.5 | 14.3 | 12.6 | | 9.3 | 43.9 | 8.5 | | 9.4 | 31.3 | 54.6 | *a* | 8.8 | 11 16.9 | 3.3 | K |
| 9.4 | 9.0 | 36.0 | | 9.2 | 23.8 | 34.5 | *a* | 9.5 | 51.8 | 58.9 | | 8.3 | 41.3 | 38.4 | B | 9.3 | 19.6 | 6.3 | |
| 9.0 | 15.2 | 16.1 | K | 9.5 | 39.3 | 11.1 | | 9.2 | 52.0 | 53.0 | *aB* | 9.0 | 54.1 | 53.1 | | 9.1 | 23.8 | 4.8 | B |
| 9.5 | 27.5 | 2.7 | | 9.5 | 39.7 | 6.7 | *a* | 8.7 | 51 24.1 | 15.9 | | 9.4 | 59.2 | 19.5 | *a* | 9.5 | 32.6 | 12.1 | *a* |
| 9.5 | 35.5 | 51.0 | | 9.5 | 43.1 | 53.9 | | 9.2 | 31.5 | 37.7 | *a* | 9.5 | 0 6.3 | 24.5 | | 9.4 | 43.2 | 17.5 | |
| 6.5 | 35.7 | 17.5 | K | 9.5 | 45.6 | 20.2 | B | 9.0 | 31.8 | 57.9 | | 9.5 | 8.3 | 1.1 | | 9.4 | 48.3 | 12.4 | |
| 9.5 | 40.8 | 48.6 | | 9.4 | 50.6 | 6.2 | | 9.4 | 45.7 | 37.2 | B | 9.5 | 11.3 | 13.6 | *a* | 7.9 | 49.4 | 44.3 | K |
| 9.3 | 41.2 | 35.3 | | 8.7 | 53.1 | 0.0 | B | 6.7 | 52 11.2 | 50.2 | K | 8.7 | 16.8 | 41.5 | | 9.5 | 58.0 | 54.8 | |
| 9.0 | 51.4 | 47.2 | K | 9.5 | 43 16.3 | 25.0 | | 8.1 | 16.3 | 7.2 | K | 9.0 | 29.3 | 24.5 | | 7.6 | 12 0.4 | 58.7 | K |
| 8.7 | 35 17.3 | 40.3 | K | 8.5 | 42.4 | 28.3 | | 8.7 | 24.6 | 36.8 | B | 8.7 | 43.8 | 52.1 | | 9.5 | 10.0 | 56.2 | |
| 9.5 | 22.5 | 41.7 | *a* | 9.4 | 44 4.8 | 54.3 | | 8.5 | 25.0 | 50.2 | | 9.3 | 50.5 | 15.6 | *a* | 8.6 | 11.8 | 3.1 | B |
| 9.3 | 25.6 | 31.0 | *a* | 9.0 | 9.1 | 32.6 | | 9.4 | 26.1 | 0.7 | *a* | 9.4 | 53.1 | 26.2 | | 9.5 | 44.4 | 49.1 | |
| 9.5 | 27.7 | 12.6 | | 9.5 | 13.3 | 1.2 | | 9.5 | 45.7 | 54.8 | | 9.5 | 1 12.2 | 28.1 | *a* | 7.4 | 48.5 | 8.1 | K |
| 9.4 | 30.8 | 4.2 | | 9.3 | 28.8 | 36.3 | | 9.5 | 47.5 | 48.4 | | 9.3 | 16.1 | 28.7 | *aB* | 9.5 | 58.2 | 23.0 | *a* |
| 9.3 | 33.2 | 59.4 | | 8.3 | 32.0 | 26.4 | *B* | 9.5 | 48.4 | 12.3 | | 8.8 | 34.0 | 47.7 | K | 9.0 | 13 6.8 | 5.0 | K |
| 9.2 | 34.2 | 29.0 | *a* | 8.0 | 35.1 | 52.3 | *Kb* | 9.3 | 48.9 | 43.6 | B | 9.0 | 37.3 | 11.4 | | 9.3 | 14.4 | 48.7 | *a* |
| 9.5 | 48.1 | 54.8 | | 8.8 | 40.0 | 15.9 | B | 9.1 | 54.8 | 15.6 | *ab* | 8.9 | 47.0 | 37.8 | | 9.0 | 23.1 | 58.3 | B |
| 9.3 | 51.3 | 23.0 | *a* | 9.4 | 45.3 | 38.3 | | 9.5 | 53 7.0 | 54.8 | | 9.5 | 2 10.7 | 24.2 | | 8.2 | 30.5 | 25.4 | K |
| 9.5 | 36 12.0 | 7.6 | *a* | 8.8 | 46.7 | 45.2 | | 9.1 | 18.2 | 1.5 | *a* | 6.1 | 30.0 | 37.2 | K | 9.4 | 50.9 | 30.7 | *a* |
| 9.4 | 12.3 | 56.4 | | 9.4 | 49.1 | 16.4 | *a* | 9.1 | 22.3 | 11.1 | *a* | 9.4 | 31.1 | 23.0 | *a* | 9.4 | 14 19.8 | 37.6 | *a* |
| 8.3 | 26.8 | 44.9 | *Kb* | 9.3 | 57.0 | 34.1 | *a* | 9.4 | 25.7 | 44.7 | B | 8.4 | 34.2 | 8.1 | | 8.6 | 23.4 | 30.5 | K |
| 9.5 | 58.7 | 36.0 | B | 9.5 | 45 4.8 | 20.9 | | 9.5 | 35.5 | 28.7 | B | 9.5 | 39.7 | 39.3 | | 9.5 | 25.0 | 41.8 | |
| 9.2 | 37 8.1 | 56.6 | *a* | 9.3 | 7.2 | 2.7 | *a* | 9.5 | 54 2.6 | 24.1 | B | 9.5 | 49.9 | 0.1 | | 9.5 | 27.9 | 25.8 | *a* |
| 8.5 | 21.3 | 41.3 | K | 9.5 | 13.3 | 22.8 | | 9.5 | 4.1 | 4.2 | | 8.0 | 3 1.8 | 47.4 | K | 9.5 | 32.5 | 33.2 | |
| 9.5 | 38.8 | 5.7 | | 8.5 | 16.7 | 2.5 | K | 9.1 | 19.8 | 47.4 | *a* | 8.7 | 10.5 | 53.1 | | 9.1 | 54.6 | 42.1 | *Kb* |
| 9.4 | 44.5 | 52.5 | | 9.4 | 28.1 | 58.3 | *a* | 9.5 | 21.3 | 31.4 | | 9.5 | 16.3 | 18.4 | *a* | 8.4 | 57.7 | 39.2 | K |
| 9.5 | 50.9 | 33.4 | | 9.4 | 42.3 | 6.7 | *a* | 8.5 | 27.3 | 11.6 | K | 9.5 | 40.6 | 27.9 | | 9.5 | 15 24.0 | 44.0 | *a* |
| 9.5 | 38 2.4 | 4.9 | | 8.7 | 52.6 | 31.1 | K | 9.5 | 31.2 | 48.5 | | 9.5 | 47.2 | 57.1 | *a* | 9.5 | 43.2 | 37.9 | |
| 9.5 | 20.0 | 0.7 | | 9.0 | 46 1.3 | 21.8 | | 9.5 | 53.7 | 25.4 | | 9.4 | 55.5 | 51.3 | *B* | 9.5 | 56.4 | 2.1 | |
| 9.4 | 22.3 | 21.8 | *a* | 9.4 | 19.4 | 1.5 | | 9.5 | 56.3 | 52.1 | | 9.3 | 4 23.8 | 21.4 | B | 8.3 | 16 7.4 | 25.0 | |
| 9.0 | 28.2 | 11.4 | | 9.1 | 20.9 | 39.3 | B | 9.5 | 56.9 | 56.1 | | 9.6 | 24.7 | 22.0 | | 9.1 | 21.0 | 20.3 | *a* |
| 9.5 | 31.4 | 41.3 | | 8.8 | 23.3 | 49.0 | K | 8.4 | 59.8 | 14.6 | | 8.8 | 26.4 | 6.2 | K | 6.5 | 28.2 | 42.0 | K |
| 9.4 | 46.5 | 4.7 | | 8.3 | 25.5 | 41.9 | K | 9.5 | 55 10.3 | 31.9 | | 9.2 | 32.9 | 37.5 | *a* | 9.5 | 40.4 | 46.0 | |
| 9.3 | 49.6 | 30.4 | | 9.5 | 37.7 | 33.9 | | 9.4 | 19.8 | 50.2 | | 8.9 | 44.8 | 16.1 | K | 9.2 | 41.1 | 42.0 | B |
| 9.1 | 50.9 | 50.2 | *a* | 9.5 | 47 0.5 | 43.8 | | 9.5 | 22.5 | 44.0 | | 8.6 | 46.3 | 58.3 | K | 7.7 | 53.4 | 1.6 | K |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10pr.* | *24.81* | *2.09* | | *10pr.* | *24.98* | *2.18* | | *10pr.* | *25.17* | *2.28* | | *10pr.* | *25.37* | *2.36* | | *10pr.* | *25.65* | *2.48* | |

4401—4460

| m | 21h | +29° | |
|---|---|---|---|
| 9.2 | 16′ 59.8 | 5.9 | a |
| 9.4 | 17 2.2 | 15.1 | |
| 8.0 | 4.0 | 11.0 | K |
| 9.5 | 20.6 | 55.2 | |
| 9.4 | 28.9 | 31.6 | a |
| 8.5 | 32.4 | 0.3 | K |
| 9.0 | 18 16.0 | 38.3 | |
| 9.5 | 21.5 | 26.9 | a |
| 9.5 | 49.3 | 42.3 | a |
| 9.4 | 19 10.6 | 48.5 | |
| 9.3 | 19.3 | 54.8 | a |
| 9.4 | 51.9 | 57.6 | a |
| 9.5 | 20 2.7 | 44.0 | |
| 8.8 | 3.5 | 56.3 | |
| 9.5 | 9.2 | 58.3 | |
| 9.4 | 19.2 | 35.0 | a |
| 9.4 | 36.5 | 27.6 | a |
| 9.4 | 21 30.7 | 32.5 | a |
| 7.5 | 22 12.7 | 35.8 | K |
| 9.2 | 20.0 | 45.8 | a |
| 9.0 | 29.6 | 19.2 | K |
| 9.5 | 31.7 | 11.7 | a |
| 9.5 | 50.0 | 37.5 | |
| 9.1 | 52.1 | 22.4 | a |
| 9.5 | 23 46.2 | 8.8 | |
| 8.3 | 49.3 | 15.4 | K |
| 9.5 | 51.1 | 8.4 | a |
| 8.8 | 24 7.0 | 26.3 | |
| 8.3 | 17.8 | 50.4 | K |
| 9.0 | 23.0 | 18.5 | B |
| 9.5 | 34.1 | 12.8 | B |
| 8.6 | 36.9 | 55.4 | K |
| 9.1 | 40.0 | 58.1 | |
| 8.1 | 45.3 | 30.2 | K |
| 7.8 | 51.0 | 38.1 | K |
| 9.5 | 57.6 | 56.0 | |
| 9.5 | 25 28.4 | 0.7 | |
| 9.4 | 28.4 | 45.8 | a |
| 9.0 | 57.5 | 54.0 | |
| 8.2 | 26 16.0 | 55.8 | K |
| 9.0 | 18.6 | 48.2 | |
| 9.5 | 37.7 | 58.4 | |
| 7.7 | 44.8 | 43.9 | K |
| 9.1 | 55.2 | 36.3 | a |
| 9.4 | 27 11.0 | 28.8 | |
| 9.4 | 20.9 | 32.5 | |
| 9.5 | 33.2 | 13.5 | a |
| 9.5 | 36.0 | 9.7 | a |
| 9.4 | 28 3.2 | 24.0 | a |
| 9.5 | 3.7 | 52.7 | |
| 9.5 | 25.0 | 47.9 | |
| 9.0 | 27.7 | 36.5 | |
| 8.3 | 29 23.8 | 5.6 | Kb |
| 9.0 | 25.0 | 44.0 | |
| 9.2 | 52.0 | 58.0 | aB |
| 6.5 | 55.5 | 25.1 | K |
| 9.5 | 30 8.3 | 57.4 | a |
| 8.3 | 22.4 | 1.3 | K |
| 8.4 | 26.0 | 12.5 | |
| 9.0 | 35.0 | 38.8 | B |
| | + | + | |
| 10pr. | 25.98 | 2.60 | |

4461—4520

| m | 21h | +29° | |
|---|---|---|---|
| 9.2 | 30′ 39.0 | 40.3 | a |
| 9.5 | 31 7.9 | 32.7 | B |
| 9.5 | 28.6 | 8.3 | |
| 8.1 | 40.2 | 12.8 | K |
| 9.5 | 52.8 | 30.0 | |
| 9.2 | 53.3 | 45.1 | B |
| 9.0 | 32 2.5 | 55.5 | |
| 9.5 | 13.6 | 47.6 | |
| 9.5 | 13.8 | 11.2 | |
| 9.5 | 15.6 | 16.9 | a |
| 9.5 | 26.8 | 41.7 | |
| 9.5 | 47.7 | 0.8 | a |
| 9.4 | 54.2 | 15.2 | |
| 8.5 | 33 9.6 | 30.1 | B |
| 9.0 | 14.2 | 53.7 | |
| 8.2 | 25.5 | 16.3 | Kb |
| 9.5 | 47.8 | 46.8 | a |
| 9.5 | 34 0.0 | 11.4 | |
| 9.4 | 11.4 | 47.7 | B |
| 9.2 | 32.9 | 29.6 | K |
| 7.7 | 40.6 | 38.6 | K |
| 8.9 | 43.3 | 45.9 | |
| 9.3 | 58.8 | 19.0 | a |
| 9.5 | 59.0 | 10.2 | |
| 9.5 | 35 26.9 | 42.4 | |
| 9.5 | 29.8 | 20.7 | |
| 9.5 | 36 9.3 | 40.7 | |
| 9.5 | 29.8 | 31.7 | a |
| 9.5 | 43.0 | 48.5 | a |
| 9.5 | 44.0 | 25.6 | |
| 9.5 | 37 3.4 | 17.3 | |
| 9.5 | 8.8 | 22.8 | |
| 9.5 | 32.0 | 13.8 | |
| 9.4 | 38.2 | 48.5 | |
| 9.4 | 47.4 | 1.7 | |
| 8.2 | 38 6.2 | 39.4 | K |
| 9.5 | 20.9 | 49.3 | |
| 9.1 | 40.8 | 9.8 | |
| 8.7 | 43.0 | 44.3 | L |
| 9.5 | 52.8 | 18.2 | |
| 9.5 | 53.3 | 27.9 | |
| 9.1 | 55.8 | 5.6 | |
| 9.5 | 39 16.8 | 55.5 | |
| 9.3 | 20.8 | 13.5 | |
| 9.0 | 26.2 | 11.4 | Kb |
| 9.2 | 44.1 | 40.0 | a |
| 9.5 | 40 8.4 | 52.4 | |
| 8.4 | 28.4 | 26.6 | L |
| 9.5 | 40.3 | 48.5 | |
| 9.5 | 43.2 | 23.0 | |
| 9.2 | 54.6 | 19.9 | a |
| 8.1 | 41 24.1 | 4.0 | K |
| 9.1 | 43.2 | 57.6 | |
| 9.3 | 51.4 | 52.0 | a |
| 9.3 | 56.3 | 40.3 | a |
| 9.0 | 42 2.8 | 20.5 | B |
| 9.5 | 9.6 | 40.8 | a |
| 9.0 | 9.8 | 27.1 | |
| 9.3 | 20.7 | 6.6 | a |
| 9.3 | 45.5 | 3.4 | a |
| | + | + | |
| 10pr. | 26.30 | 2.71 | |

4521—4580

| m | 21h | +29° | |
|---|---|---|---|
| 9.0 | 42′ 54.4 | 1.0 | K |
| 9.5 | 56.3 | 51.2 | |
| 9.5 | 43 7.3 | 18.6 | B |
| 8.9 | 12.3 | 26.5 | K |
| 5.3 | 27.2 | 30.0 | Kb |
| 8.2 | 35.2 | 6.6 | K |
| 9.2 | 44.1 | 41.8 | R |
| 9.3 | 44 16.4 | 50.2 | a |
| 9.2 | 38.5 | 42.0 | |
| 9.2 | 40.3 | 35.1 | a |
| 9.0 | 47.4 | 5.4 | |
| 9.2 | 45 21.8 | 16.6 | |
| 8.6 | 24.5 | 57.2 | K |
| 9.2 | 39.4 | 35.2 | |
| 8.3 | 41.4 | 31.2 | K |
| 9.4 | 48.3 | 16.1 | |
| 9.5 | 46 6.0 | 13.5 | |
| 9.3 | 47 19.2 | 55.2 | |
| 8.8 | 40.7 | 26.6 | |
| 8.9 | 42.0 | 19.2 | |
| 8.3 | 48 4.6 | 34.0 | K |
| 9.4 | 43.5 | 35.8 | |
| 9.0 | 49 25.9 | 55.7 | |
| 9.5 | 55.4 | 50.7 | |
| 9.5 | 50 9.0 | 22.1 | |
| 9.5 | 15.7 | 8.3 | |
| 9.5 | 57.2 | 51.3 | a |
| 9.3 | 51 37.6 | 28.9 | a |
| 9.2 | 43.3 | 59.1 | a |
| 7.4 | 52 16.1 | 8.2 | B |
| 9.3 | 22.6 | 37.2 | a |
| 8.8 | 25.4 | 23.7 | |
| 9.4 | 40.6 | 52.7 | aB |
| 7.5 | 44.5 | 50.3 | B |
| 9.2 | 47.4 | 16.7 | a |
| 8.2 | 57.1 | 12.2 | K |
| 9.5 | 53 4.3 | 56.6 | |
| 9.3 | 4.6 | 19.7 | a |
| 9.3 | 26.0 | 52.5 | Kb |
| 9.0 | 55.2 | 9.4 | |
| 9.1 | 54 2.1 | 14.8 | a |
| 9.5 | 20.4 | 0.3 | |
| 9.1 | 55 1.8 | 33.0 | ab |
| 9.1 | 12.4 | 1.0 | a |
| 9.4 | 25.9 | 36.1 | a |
| 8.8 | 56 20.3 | 54.9 | |
| 9.4 | 28.6 | 59.6 | aB |
| 7.0 | 44.6 | 30.7 | L |
| 7.7 | 48.8 | 3.6 | K |
| 7.5 | 53.8 | 19.8 | K |
| 9.3 | 57 2.0 | 30.3 | a |
| 9.5 | 27.5 | 13.4 | |
| 8.5 | 58 5.3 | 15.1 | K |
| 9.4 | 11.1 | 17.5 | |
| 9.2 | 16.0 | 15.5 | aB |
| 9.1 | 29.9 | 15.2 | B |
| 9.5 | 33.6 | 57.5 | |
| 8.5 | 37.8 | 10.7 | K |
| 9.4 | 52.4 | 38.9 | B |
| 9.5 | 59 4.8 | 39.4 | |
| | + | + | |
| 10pr. | 26.72 | 2.84 | |

4581—4640

| m | 21h—22h | +29° | |
|---|---|---|---|
| 9.5 | 59′ 9.2 | 33.9 | |
| 7.6 | 12.3 | 12.1 | K |
| 9.5 | 25.8 | 49.2 | |
| 9.0 | 57.9 | 5.0 | |
| 8.3 | 59.2 | 52.2 | |
| 7.2 | 0 36.8 | 36.2 | K |
| 9.1 | 39.0 | 38.8 | aB |
| 9.5 | 39.5 | 53.5 | a |
| 9.2 | 40.7 | 57.5 | B |
| 9.4 | 53.6 | 34.1 | B |
| 9.5 | 1 18.9 | 50.8 | B |
| 9.5 | 29.7 | 22.1 | B |
| 9.4 | 2 33.3 | 11.4 | |
| 9.3 | 34.3 | 50.0 | aK |
| 8.8 | 55.3 | 50.0 | K |
| 9.2 | 59.2 | 59.9 | a |
| 9.5 | 3 13.0 | 39.0 | |
| 9.5 | 25.4 | 30.0 | |
| 9.2 | 34.8 | 45.4 | B |
| 9.0 | 55.7 | 41.4 | B |
| 9.3 | 56.6 | 54.3 | B |
| 9.1 | 4 7.0 | 15.9 | Bb |
| 9.4 | 15.9 | 7.7 | a |
| 6.5 | 19.8 | 51.3 | K |
| 8.8 | 26.8 | 42.4 | |
| 9.5 | 56.6 | 57.7 | |
| 8.2 | 6 5.3 | 31.6 | K |
| 9.0 | 20.9 | 38.6 | |
| 8.5 | 36.5 | 2.5 | |
| 9.2 | 43.2 | 32.4 | K |
| 8.7 | 7 13.1 | 53.8 | K |
| 9.5 | 14.5 | 58.1 | |
| 9.5 | 53.4 | 7.3 | |
| 9.2 | 8 28.8 | 22.5 | a |
| 9.5 | 29.2 | 11.0 | |
| 9.5 | 29.5 | 58.1 | |
| 9.2 | 50.2 | 1.5 | Kb |
| 9.4 | 54.3 | 12.2 | |
| 9.5 | 9 32.0 | 1.7 | |
| 9.5 | 32.5 | 53.5 | |
| 7.8 | 40.3 | 20.0 | K |
| 9.4 | 45.0 | 17.1 | B |
| 9.5 | 49.0 | 15.1 | a |
| 9.5 | 56.4 | 1.8 | |
| 7.2 | 10 12.1 | 21.8 | K |
| 8.1 | 24.1 | 35.9 | L |
| 9.4 | 26.9 | 7.6 | |
| 9.2 | 30.3 | 30.1 | B |
| 9.5 | 38.4 | 17.6 | |
| 9.3 | 11 1.3 | 17.0 | |
| 9.3 | 17.8 | 40.7 | |
| 8.8 | 18.0 | 52.9 | |
| 9.5 | 43.1 | 45.8 | |
| 9.4 | 12 3.5 | 58.3 | |
| 9.4 | 13 3.2 | 13.4 | B |
| 9.2 | 20.4 | 39.5 | B |
| 9.5 | 35.3 | 44.3 | a |
| 9.0 | 41.3 | 30.3 | K |
| 9.0 | 14 0.1 | 14.2 | |
| 9.5 | 30.2 | 48.7 | |
| | + | + | |
| 10pr. | 27.14 | 2.94 | |

4641—4700

| m | 22h | +29° | |
|---|---|---|---|
| 9.5 | 14′ 40.5 | 54.0 | |
| 9.4 | 49.5 | 15.6 | |
| 9.4 | 59.9 | 40.5 | |
| 8.6 | 15 38.8 | 40.7 | K |
| 7.5 | 55.2 | 36.8 | K |
| 8.8 | 16 36.3 | 26.2 | |
| 9.0 | 55.0 | 13.1 | |
| 8.6 | 17 1.5 | 41.4 | K |
| 9.5 | 3.6 | 22.1 | |
| 9.4 | 13.1 | 4.8 | B |
| 9.5 | 53.7 | 15.6 | |
| 8.9 | 56.2 | 41.2 | K |
| 9.2 | 18 16.0 | 44.9 | K |
| 9.1 | 27.3 | 28.7 | ab |
| 9.1 | 35.5 | 30.0 | aB |
| 9.4 | 37.1 | 12.0 | |
| 9.5 | 51.4 | 11.8 | |
| 9.5 | 19 10.8 | 9.9 | |
| 8.8 | 14.0 | 46.2 | |
| 9.5 | 43.1 | 1.8 | a |
| 9.5 | 48.5 | 52.0 | |
| 9.5 | 20 5.1 | 26.5 | |
| 8.8 | 14.0 | 47.2 | |
| 9.5 | 15.8 | 23.5 | |
| 9.5 | 19.9 | 8.0 | |
| 9.2 | 25.5 | 58.2 | a |
| 8.0 | 27.4 | 59.9 | Lb |
| 9.5 | 59.8 | 55.0 | |
| 9.3 | 21 9.6 | 41.3 | B |
| 9.5 | 20.3 | 23.5 | |
| 9.1 | 40.0 | 20.2 | a |
| 8.5 | 22 2.4 | 42.8 | |
| 8.3 | 14.2 | 54.1 | |
| 8.0 | 21.5 | 3.7 | K |
| 9.3 | 36.0 | 23.8 | B |
| 9.3 | 47.3 | 44.8 | |
| 7.5 | 50.8 | 15.2 | Kb |
| 9.5 | 23 26.5 | 45.8 | |
| 9.4 | 56.6 | 8.5 | |
| 9.1 | 24 29.5 | 35.5 | |
| 8.3 | 54.1 | 50.1 | K |
| 9.0 | 56.7 | 42.0 | |
| 9.0 | 25 1.8 | 30.3 | |
| 9.5 | 3.5 | 54.2 | |
| 9.3 | 8.0 | 8.6 | |
| 9.1 | 9.3 | 57.7 | aB |
| 9.5 | 26 13.0 | 35.8 | |
| 9.4 | 32.4 | 10.4 | |
| 9.4 | 33.0 | 8.6 | B |
| 9.4 | 55.0 | 23.2 | a |
| 9.4 | 27 11.8 | 17.2 | |
| 9.5 | 20.7 | 33.0 | |
| 9.0 | 25.0 | 22.2 | |
| 9.4 | 27.4 | 36.5 | |
| 9.5 | 35.9 | 1.9 | |
| 9.5 | 46.1 | 30.1 | |
| 9.5 | 53.3 | 48.1 | |
| 9.2 | 56.4 | 52.9 | |
| 6.8 | 28 3.2 | 12.6 | K |
| 8.1 | 24.7 | 27.2 | B |
| | + | + | |
| 10pr. | 27.57 | 3.04 | |

| 4701—4760 | | | | | 4761—4820 | | | | | 4821—4880 | | | | | 4881—4940 | | | | | 4941—5000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵐ | | +29° | | | 22ᵐ | | +29° | | | 22ᵐ—23ᵐ | | +29° | | | 23ᵐ | | +29° | | | 23ᵐ | | +29° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 8.4 | 28 | 35.5 | 10.7 | K | 9.4 | 39 | 59.6 | 56.7 | B | 9.3 | 51 | 7.8 | 13.7 | | 9.4 | 6 | 18.4 | 39.3 | | 9.3 | 22 | 28.4 | 54.2 | B |
| 9.5 | | 41.3 | 21.1 | a | 9.4 | 40 | 2.2 | 55.8 | | 9.2 | | 13.8 | 35.4 | aB | 8.9 | | 26.9 | 26.9 | K | 9.5 | 23 | 3.3 | 39.1 | |
| 9.2 | | 57.9 | 22.4 | | 8.2 | | 7.5 | 8.5 | K | 9.4 | | 17.5 | 13.2 | | 9.4 | | 40.1 | 36.2 | | 9.5 | | 5.7 | 31.3 | B |
| 9.5 | | 58.0 | 29.6 | | 9.4 | | 8.9 | 50.2 | | 8.6 | | 19.3 | 35.4 | B | 9.5 | | 46.0 | 21.5 | B | 9.5 | 24 | 57.8 | 5.3 | |
| 8.3 | | 58.6 | 20.7 | K | 9.4 | | 44.2 | 1.6 | | 9.4 | | 24.2 | 8.8 | | 9.3 | 7 | 26.6 | 3.3 | | 8.7 | 25 | 3.1 | 1.7 | K |
| 9.5 | 29 | 18.8 | 42.0 | | 9.4 | | 50.7 | 28.7 | | 8.8 | | 31.8 | 26.1 | | 9.4 | | 27.9 | 53.8 | a | 9.4 | | 10.9 | 10.5 | |
| 9.5 | | 20.5 | 35.9 | | 8.2 | | 54.6 | 22.1 | K | 9.5 | 52 | 23.5 | 30.8 | | 8.8 | | 28.9 | 31.7 | Kb | 9.5 | | 20.2 | 23.4 | |
| 8.8 | | 56.6 | 23.8 | | 9.3 | | 56.8 | 53.5 | a | 8.9 | | 36.8 | 18.7 | K | 9.5 | 8 | 20.4 | 30.3 | | 9.3 | | 27.0 | 7.0 | |
| 9.5 | 30 | 4.0 | 3.5 | B | 9.4 | 41 | 10.0 | 15.4 | B | 9.4 | | 38.7 | 37.0 | | 9.4 | | 23.0 | 58.9 | | 9.5 | | 31.0 | 16.0 | |
| 8.7 | | 19.5 | 50.5 | K | 9.5 | | 10.1 | 18.3 | | 8.2 | | 53.5 | 18.4 | Kb | 7.8 | 9 | 11.7 | 52.2 | Kb | 9.4 | | 45.4 | 33.9 | |
| 9.4 | | 26.2 | 51.0 | | 8.5 | | 13.2 | 51.8 | Kb | 9.5 | 53 | 28.7 | 10.6 | | 8.7 | | 20.3 | 57.0 | | 9.2 | | 47.3 | 50.6 | |
| 9.5 | | 29.7 | 23.3 | | 9.4 | | 26.9 | 31.3 | | 9.2 | | 50.9 | 6.3 | B | 9.3 | | 46.8 | 19.0 | | 9.0 | | 50.7 | 38.2 | B |
| 9.4 | | 40.5 | 55.2 | | 9.3 | 42 | 24.8 | 20.2 | a | 9.5 | | 54.3 | 0.5 | | 7.8 | | 55.1 | 34.8 | K | 8.9 | 26 | 11.7 | 13.6 | B |
| 9.5 | | 41.1 | 45.8 | a | 9.5 | | 31.7 | 23.6 | | 9.5 | 54 | 0.4 | 40.3 | | 9.5 | | 59.4 | 50.9 | | 9.5 | | 20.0 | 39.6 | |
| 7.4 | 31 | 8.9 | 10.3 | K | 9.5 | | 49.2 | 1.4 | | 9.5 | | 7.3 | 58.2 | | 7.7 | 10 | 14.5 | 4.6 | K | 9.5 | | 24.5 | 45.4 | |
| 9.5 | | 27.3 | 28.6 | | 8.4 | | 56.5 | 57.2 | | 9.5 | | 16.0 | 21.8 | a | 8.8 | | 23.8 | 59.3 | | 7.6 | | 29.2 | 4.1 | K |
| 8.8 | | 28.4 | 46.1 | | 9.5 | 43 | 2.0 | 47.1 | | 9.5 | | 23.7 | 1.5 | | 9.3 | | 24.9 | 2.0 | | 9.0 | | 29.7 | 23.3 | R |
| 8.8 | | 54.2 | 45.9 | | 9.5 | | 12.9 | 0.7 | | 9.0 | | 45.8 | 22.7 | K | 9.4 | | 30.2 | 6.8 | | 9.4 | | 34.0 | 43.3 | |
| 8.5 | | 56.5 | 5.4 | K | 9.5 | | 17.1 | 52.9 | | 9.5 | | 50.4 | 43.8 | | 7.2 | | 52.6 | 39.4 | K | 9.0 | | 39.3 | 19.0 | |
| 8.1 | 32 | 4.9 | 32.7 | B | 9.5 | | 39.6 | 49.1 | | 9.1 | 55 | 23.6 | 37.2 | b | 9.5 | | 57.0 | 9.4 | | 9.4 | | 44.1 | 50.2 | |
| 9.4 | | 32.3 | 31.0 | a | 9.5 | | 39.6 | 51.1 | | 8.4 | | 39.4 | 1.8 | K | 9.5 | 11 | 35.9 | 32.1 | | 9.4 | | 53.9 | 5.5 | |
| 9.5 | | 54.4 | 43.8 | | 9.2 | 44 | 14.1 | 22.4 | | 9.1 | | 49.4 | 52.1 | | 9.5 | | 52.3 | 43.5 | | 8.8 | 27 | 34.3 | 55.0 | K |
| 9.0 | | 55.6 | 37.4 | | 8.4 | | 28.5 | 2.1 | K | 9.1 | | 53.9 | 17.9 | | 9.5 | | 52.8 | 11.0 | | 8.6 | | 38.9 | 13.9 | K |
| 9.5 | 33 | 52.5 | 47.8 | | 9.4 | | 43.8 | 25.1 | | 9.3 | 56 | 9.5 | 28.3 | a | 9.5 | 12 | 20.5 | 27.6 | | 9.2 | 28 | 2.9 | 22.7 | a |
| 9.2 | | 53.4 | 20.6 | | 9.4 | | 44.7 | 53.2 | | 9.5 | | 29.7 | 55.3 | | 9.1 | | 34.9 | 17.7 | ab | 9.5 | | 6.7 | 15.4 | |
| 8.6 | | 55.7 | 13.9 | S | 7.8 | | 54.1 | 16.2 | K | 8.5 | | 47.3 | 7.8 | K | 9.0 | | 43.2 | 10.6 | | 9.3 | | 22.2 | 21.4 | B |
| 9.3 | | 58.5 | 6.5 | | 8.9 | 45 | 0.9 | 53.0 | | 9.3 | | 53.2 | 34.5 | | 9.5 | 13 | 17.0 | 55.0 | | 9.5 | | 32.7 | 5.8 | |
| 9.5 | 34 | 15.0 | 49.0 | | 9.1 | | 4.5 | 24.5 | a | 9.1 | | 59.8 | 13.4 | | 6.1 | | 43.3 | 36.5 | Kb | 9.5 | 29 | 17.6 | 18.5 | |
| 8.5 | | 22.6 | 24.4 | | 9.0 | | 5.6 | 15.7 | S | 9.5 | 57 | 17.6 | 19.0 | | 9.2 | 14 | 5.0 | 44.8 | | 9.2 | | 25.9 | 10.9 | |
| 9.5 | | 23.5 | 8.8 | | 8.7 | | 5.9 | 31.2 | B | 9.5 | | 28.6 | 5.1 | a | 9.3 | | 24.5 | 36.4 | K | 9.4 | | 34.9 | 57.1 | |
| 8.7 | | 28.2 | 38.8 | B | 8.9 | | 10.8 | 26.3 | | 9.5 | | 43.4 | 10.4 | a | 9.5 | | 28.3 | 8.3 | | 7.8 | | 53.1 | 52.2 | K |
| 9.4 | | 34.3 | 28.6 | a | 8.3 | | 28.5 | 20.2 | K | 9.5 | | 49.4 | 47.3 | | 9.5 | 15 | 11.9 | 56.8 | | 8.7 | 30 | 2.3 | 13.9 | K |
| 8.6 | | 40.5 | 17.2 | S | 9.4 | | 41.2 | 55.5 | | 9.5 | 58 | 16.0 | 32.1 | | 9.5 | | 14.1 | 12.6 | | 9.5 | | 27.8 | 30.5 | |
| 8.9 | | 48.5 | 1.4 | | 9.4 | | 45.4 | 32.3 | | 9.5 | | 19.0 | 17.6 | | 9.5 | | 30.0 | 21.7 | | 8.5 | 31 | 39.6 | 15.1 | K |
| 9.4 | 35 | 6.6 | 4.5 | a | 9.5 | | 51.3 | 56.5 | | 8.0 | | 48.2 | 56.1 | K | 8.9 | 16 | 11.9 | 54.0 | K | 9.2 | 32 | 14.3 | 47.9 | |
| 9.3 | | 10.7 | 5 5 | B | 9.5 | 46 | 12.5 | 59.4 | | 8.6 | 59 | 17.3 | 6.3 | Kb | 9.4 | | 21.0 | 10.1 | | 9.4 | | 38.2 | 52.4 | a |
| 9.1 | | 14.6 | 49.3 | | 7.4 | | 43.2 | 59.9 | Kb | 9.3 | | 27.1 | 23.1 | a | 8.8 | | 24.6 | 35.5 | | 9.5 | 34 | 5.5 | 42.2 | a |
| 9.2 | | 34.4 | 12.0 | | 8.7 | | 46.5 | 51.0 | K | 7.7 | | 33.2 | 49.5 | K | 8.4 | | 28.5 | 51.9 | K | 9.5 | | 25.1 | 34.0 | ab |
| 9.5 | | 48.1 | 44.8 | a | 9.5 | | 53.5 | 36.2 | | 9.4 | | 43.3 | 10.4 | a | 8.0 | 17 | 12.0 | 57.1 | K | 9.5 | 35 | 52.0 | 29.8 | a |
| 9.3 | 36 | 9.5 | 29.4 | | 9.3 | 47 | 9.8 | 34.0 | | 8.8 | | 48.1 | 53.4 | K | 7.7 | | 24.9 | 53.9 | K | 9.5 | 36 | 0.4 | 6.6 | a |
| 3.2 | | 12.5 | 27.7 | K | 9.1 | | 23.2 | 8.3 | b | 9.5 | | 58.4 | 4.0 | a | 9.5 | 18 | 16.5 | 44.7 | | 9.1 | | 16.9 | 47.2 | a |
| 8.2 | | 50.4 | 20.1 | K | 9.2 | | 26.3 | 36.2 | | 7.0 | 0 | 41.8 | 15.9 | K | 9.4 | | 33.8 | 36.8 | | 8.9 | | 30.5 | 54.9 | K |
| 9.3 | | 58.1 | 1.1 | a | 8.8 | | 35.4 | 33.5 | K | 7.3 | | 51.3 | 39.2 | L | 9.3 | | 47.8 | 50.2 | | 9.1 | | 36.2 | 53.0 | aB |
| 9.3 | 37 | 20.4 | 29.8 | B | 9.5 | | 52.1 | 29.8 | | 8.5 | | 52.5 | 56.5 | B | 9.5 | 19 | 18.1 | 48.5 | | 9.5 | | 51.4 | 55.7 | |
| 8.9 | | 56.2 | 31.5 | | 9.4 | | 54.7 | 55.5 | | 9.1 | 1 | 8.7 | 3.6 | B | 9.5 | | 28.0 | 1.3 | | 9.0 | 37 | 15.8 | 17.8 | ? |
| 9.5 | | 58.5 | 43.6 | | 9.3 | 48 | 7.9 | 36.0 | | 8.6 | | 14.9 | 43.4 | | 9.4 | | 36.8 | 10.0 | | 9.4 | | 35.3 | 25.3 | a |
| 9.3 | 38 | 3.3 | 15.7 | | 9.0 | | 18.5 | 3.4 | | 8.5 | | 17.2 | 25.5 | K | 9.5 | | 54.9 | 4.9 | | 9.4 | | 39.8 | 7.2 | a |
| 9.2 | | 4.6 | 55.7 | a | 9.4 | | 21.2 | 52.1 | | 8.4 | | 21.4 | 40.5 | B | 9.5 | | 59.8 | 59.1 | B | 9.5 | | 53.5 | 55.0 | |
| 9.5 | | 7.4 | 23.1 | | 9.4 | | 38.5 | 53.6 | | 8.5 | | 29.0 | 44.3 | B | 9.5 | 20 | 6.5 | 38.5 | | 8.8 | 38 | 36.4 | 50.7 | K |
| 9.2 | | 25.7 | 43.8 | a | 8.5 | | 52.0 | 51.8 | B | 9.3 | 2 | 5.8 | 11.8 | | 8.5 | | 14.5 | 5.9 | K | 9.4 | | 48.9 | 41.7 | |
| 9.4 | | 36.8 | 53.6 | | 9.2 | 49 | 2.6 | 30.2 | | 9.1 | | 20.6 | 51.6 | a | 9.4 | | 29.0 | 31.5 | | 9.5 | | 48.9 | 37.8 | |
| 8.5 | | 43.3 | 48.2 | K | 9.5 | | 38.1 | 51.3 | | 9.5 | | 28.3 | 27.6 | | 9.2 | | 35.1 | 16.6 | | 9.5 | | 57.8 | 28.0 | |
| 7.2 | | 49.0 | 41.3 | K | 9.4 | | 44.3 | 14.2 | | 9.1 | 3 | 4.2 | 2.6 | a | 9.5 | 21 | 31.7 | 2.4 | a | 9.0 | 39 | 0.0 | 8.0 | |
| 9.4 | | 57.1 | 27.3 | B | 9.0 | | 45.5 | 13.0 | | 9.5 | | 10.4 | 26.1 | | 8.8 | | 47.1 | 21.3 | K | 9.5 | | 2.8 | 6.7 | a |
| 9.5 | | 57.5 | 10.2 | | 9.4 | 50 | 8.7 | 18.7 | | 9.5 | | 50.4 | 10.4 | | 9.5 | | 48.8 | 1.3 | | 9.5 | | 47.3 | 44.4 | |
| 9.3 | 39 | 0.2 | 57.3 | aB | 9.4 | | 27.2 | 47.1 | | 8.3 | 4 | 9.2 | 46.2 | K | 9.5 | | 54.5 | 14.2 | | 8.9 | | 56.2 | 55.5 | B |
| 9.0 | | 14.3 | 49.9 | B | 9.5 | | 34.9 | 15.2 | | 7.5 | | 10.6 | 15.9 | K | 9.5 | 22 | 2.6 | 3.5 | | 9 5 | 40 | 2.3 | 37.8 | |
| 9.5 | | 15.4 | 51.7 | | 9.5 | | 48.8 | 56.9 | | 9.5 | | 19.6 | 41.8 | a | 9.5 | | 12.7 | 1.0 | | 9.5 | | 23.8 | 35.1 | |
| 9.4 | | 25.1 | 38.9 | | 9.2 | 51 | 1.1 | 19.9 | Bb | 9.5 | 5 | 17.5 | 7.4 | | 9.5 | | 18.5 | 54.0 | | 9.5 | | 25.1 | 9.4 | |
| 9.4 | | 37.0 | 22.6 | | 9.0 | | 1.6 | 31.0 | | 9.0 | | 23.3 | 54.6 | | 8.0 | | 22.4 | 37.8 | K | 9.1 | | 50.4 | 4.0 | ab |
| 10pr. | | 27.96 | 3.11 | | 10pr. | | 28.29 | 3.17 | | 10pr. | | 28.68 | 3.22 | | 10pr. | | 29.23 | 3.27 | | 10pr. | | 29.72 | 3.31 | |

| 5001—5013 | | | | 5014—5026 | | | | 5027—5039 | | | | 5040—5052 | | | | 5053—5064 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23u | | +29° | | 23u | | +29° | | 23u | | +29° | | 23u | | +29° | | 23u | | +29° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 9.4 | 41 | 9.8 | 3.9 | | 8.0 | 45 | 40.9 | 54.6 | L | 9.5 | 48 | 48.2 | 2.5 | *a* | 9.5 | 52 | 49.5 | 30.4 | | 9.3 | 55 | 39.7 | 13.1 | |
| 8.6 | | 10.9 | 44.0 | K | 8.9 | | 45.2 | 9.1 | | 9.5 | 49 | 3.3 | 23.4 | | 9.5 | 53 | 22.2 | 2.0 | | 9.5 | | 48.8 | 37.6 | |
| 9.3 | | 17.9 | 13.8 | *a* | 9.5 | | 49.9 | 57.4 | | 9.1 | | 12.5 | 57.6 | K | 8.4 | | 22.8 | 35.6 | K | 9.3 | 56 | 29.3 | 39.0 | |
| 9.4 | | 34.3 | 20.4 | | 9.5 | 46 | 1.1 | 25.5 | | 9.5 | | 23.8 | 37.0 | *a* | 9.4 | | 24.7 | 31.4 | B | 9.5 | | 53.9 | 54.9 | *b* |
| 9.3 | 42 | 29.2 | 51.9 | | 9.5 | | 26.4 | 37.0 | | 9.5 | | 47.2 | 4.0 | | 9.5 | | 39.8 | 29.3 | | 8.0 | 57 | 24.8 | 16.1 | K |
| 8.7 | | 36.8 | 15.1 | K | 9.2 | | 29.8 | 41.8 | | 9.5 | | 48.3 | 59.4 | | 9.3 | | 50.4 | 8.9 | | 9.5 | | 27.4 | 44.9 | |
| 9.0 | 43 | 2.9 | 31.7 | K | 8.0 | | 32.7 | 57.4 | Kb | 9.5 | | 53.1 | 44.9 | | 7.8 | 54 | 4.9 | 55.7 | K | 8.2 | | 44.3 | 31.4 | K |
| 9.5 | | 4.6 | 5.3 | | 9.3 | | 41.1 | 50.3 | *a*B | 8.4 | 50 | 42.3 | 8.9 | L | 9.4 | | 59.5 | 50.5 | | 9.5 | 58 | 24.4 | 6.4 | |
| 9.5 | 44 | 10.0 | 7.3 | | 9.2 | | 55.0 | 16.9 | *b* | 9.5 | 51 | 18.4 | 29.0 | | 9.5 | 55 | 14.8 | 44.2 | | 9.5 | | 33.0 | 1.6 | |
| 9.4 | | 16.5 | 5.7 | B | 9.2 | | 59.9 | 8.5 | | 9.1 | | 34.6 | 12.7 | *a* | 9.5 | | 17.2 | 50.6 | | 9.5 | | 38.3 | 19.0 | |
| 9.4 | | 25.8 | 57.9 | | 9.5 | 47 | 18.3 | 39.4 | | 9.4 | | 42.8 | 17.3 | | 9.0 | | 21.3 | 15.1 | K | 9.2 | 59 | 17.7 | 33.2 | K |
| 9.1 | | 26.9 | 48.6 | K | 9.5 | 48 | 3.5 | 3.4 | | 9.3 | | 51.9 | 50.5 | | 8.8 | | 26.3 | 31.0 | Kb | 9.1 | | 59.4 | 3.5 | |
| 9.5 | | 41.0 | 41.7 | | 9.5 | | 41.8 | 26.5 | | 9.5 | 52 | 23.0 | 6.6 | | 9.5 | | 34.5 | 43.5 | | | | | | |
| | | | | | | | | | | | | + | + | | | | | | | | | | | |
| | | | | | | | | | | 10pr. | | 30.39 | 3.34 | | | | | | | | | | | |

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# Zone +30°

| 1—20 | | | | 21—40 | | | | 41—60 | | | | 61—80 | | | | 81—100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0u | | +30° | | 0u | | +30° | | 0u | | +30° | | 0u | | +30° | | 0u | | +30° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 6.9 | 0 | 8.3 | 51.3 | K | 9.4 | 6 | 10.2 | 16.2 | | 9.5 | 12 | 31.4 | 23.5 | | 9.2 | 19 | 57.1 | 25.4 | | 9.0 | 28 | 41.5 | 7.1 | |
| 6.8 | | 33.6 | 35.4 | K | 9.5 | | 25.2 | 34.9 | | 6.4 | | 51.9 | 8.4 | K | 8.9 | | 58.1 | 31.6 | K | 8.0 | 29 | 21.1 | 41.5 | K |
| 7.2 | | 43.2 | 33.7 | K | 9.5 | | 38.8 | 13.4 | | 7.9 | | 56.4 | 9.5 | K | 9.5 | 20 | 1.2 | 49.2 | | 9.5 | | 40.0 | 4.4 | |
| 9.5 | | 55.0 | 53.4 | | 9.5 | | 55.5 | 9.3 | | 9.5 | 13 | 41.2 | 12.6 | | 9.5 | | 40.0 | 56.9 | | 9.4 | 30 | 16.2 | 32.5 | B |
| 9.5 | 2 | 24.9 | 56.9 | | 9.5 | 7 | 16.4 | 54.8 | | 9.4 | 14 | 43.3 | 36.4 | | 9.5 | 21 | 40.8 | 22.4 | | 9.4 | | 26.7 | 45.1 | B |
| 9.3 | | 27.4 | 36.2 | | 6.5 | | 35.3 | 43.8 | K | 9.3 | 15 | 15.5 | 23.4 | | 8.9 | 22 | 30.5 | 47.1 | K | 9.5 | | 26.8 | 56.5 | |
| 9.5 | | 31.8 | 51.4 | | 9.3 | | 36.6 | 27.4 | *a*B | 9.5 | | 16.6 | 1.3 | *a* | 9.3 | | 55.1 | 29.1 | *b* | 9.4 | | 30.7 | 18.8 | |
| 9.4 | | 46.7 | 1.2 | | 9.5 | 8 | 11.7 | 1.0 | | 9.5 | | 25.1 | 53.8 | | 9.5 | 23 | 24.8 | 48.8 | | 9.5 | | 50.3 | 43.0 | |
| 9.0 | | 46.9 | 39.0 | K | 9.5 | 9 | 11.6 | 57.5 | | 9.5 | | 28.5 | 8.5 | | 9.5 | | 45.0 | 3.4 | | 9.0 | 31 | 6.2 | 12.7 | K |
| 8.9 | 3 | 5.1 | 9.9 | K | 9.5 | | 30.2 | 44.5 | | 9.5 | | 43.4 | 32.7 | | 9.5 | | 46.9 | 35.4 | | 9.3 | | 20.6 | 12.2 | *a* |
| 9.5 | | 7.4 | 50.7 | | 8.0 | | 35.1 | 15.5 | K | 9.3 | 16 | 14.0 | 56.1 | K | 9.1 | 24 | 0.3 | 57.2 | K | 3.3 | | 34.7 | 3.9 | K |
| 9.4 | 4 | 17.6 | 25.9 | | 9.4 | 10 | 15.2 | 46.9 | | 8.9 | | 28.1 | 21.6 | K | 9.5 | | 7.6 | 3.9 | | 9.4 | | 38.3 | 16.0 | |
| 9.5 | | 22.7 | 26.2 | | 8.4 | | 26.8 | 29.3 | K | 9.2 | | 49.8 | 35.7 | K | 9.5 | | 47.4 | 18.1 | | 9.0 | 32 | 39.9 | 58.3 | K |
| 9.4 | | 23.8 | 30.0 | | 8.6 | | 45.9 | 9.2 | L | 9.5 | 17 | 2.6 | 4.4 | | 9.5 | 25 | 14.0 | 39.0 | | 8.8 | | 48.7 | 45.9 | K |
| 9.5 | | 44.5 | 30.0 | | 6.0 | 11 | 6.6 | 43.4 | K | 6.8 | | 3.5 | 34.3 | K | 9.5 | | 15.8 | 24.4 | | 9.5 | 33 | 2.7 | 40.7 | B |
| 9.1 | 5 | 7.1 | 47.8 | *a*B | 8.5 | | 8.4 | 0.7 | K | 9.4 | | 45.4 | 5.5 | *a* | 9.5 | | 46.5 | 54.2 | | 8.0 | | 7.6 | 19.3 | Kb |
| 9.0 | | 15.2 | 30.3 | K | 9.5 | | 53.7 | 20.0 | | 9.0 | 18 | 21.8 | 29.5 | | 7.5 | 26 | 30.1 | 50.2 | K | 9.5 | | 32.9 | 14.3 | B |
| 9.5 | 6 | 2.6 | 46.5 | | 9.5 | | 55.6 | 53.7 | | 8.8 | 19 | 19.2 | 9.9 | K | 9.3 | | 57.0 | 51.8 | | 9.5 | | 42.8 | 13.8 | B |
| 9.5 | | 5.3 | 5.0 | | 9.3 | 12 | 17.2 | 3.0 | *a* | 7.8 | | 31.3 | 22.4 | K | 9.5 | 27 | 1.6 | 5.8 | | 9.5 | 34 | 5.2 | 20.6 | |
| 9.5 | | 8.1 | 9.5 | | 9.5 | | 19.5 | 46.4 | *a*B | 8.5 | | 46.9 | 6.5 | Kb | 9.5 | | 23.9 | 36.5 | | 9.5 | | 21.4 | 27.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 30.83 | 3.34 | | 10pr. | | 31.05 | 3.34 | | 10pr. | | 31.27 | 3.33 | | 10pr. | | 31.54 | 3.32 | | 10pr. | | 31.80 | 3.31 | |

### 101—160

| m | 0ᵘ | +30° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 34 35.1 | 14.8 | |
| 9.5 | 36.3 | 39.8 | |
| 9.5 | 35 0.7 | 50.7 | |
| 9.3 | 45.2 | 51.7 | |
| 8.9 | 36 23.1 | 7.0 | |
| 9.1 | 30.6 | 36.3 | Bb |
| 8.8 | 30.7 | 35.3 | K |
| 9.5 | 30.9 | 55.4 | |
| 9.5 | 37 23.6 | 27.0 | B |
| 8.5 | 41.1 | 50.9 | K |
| 9.5 | 38 16.5 | 15.9 | |
| 9.0 | 29.5 | 54.8 | K |
| 7.8 | 38.4 | 9.2 | K |
| 8.0 | 41.6 | 9.6 | K |
| 9.5 | 43.7 | 33.7 | |
| 9.5 | 39 39.8 | 31.9 | |
| 8.6 | 40 22.4 | 25.4 | K |
| 9.5 | 32.7 | 33.7 | |
| 9.4 | 33.0 | 6.3 | B |
| 9.5 | 41 34.4 | 49.1 | |
| 9.0 | 42 2.2 | 46.0 | K |
| 9.5 | 43.3 | 22.8 | |
| 9.5 | 44 0.4 | 56.0 | |
| 9.0 | 12.2 | 29.2 | |
| 8.0 | 48.4 | 40.5 | K |
| 9.0 | 48.7 | 12.7 | |
| 7.5 | 52.6 | 35.6 | K |
| 9.1 | 55.7 | 15.8 | |
| 9.3 | 45 20.9 | 57.3 | |
| 9.2 | 31.7 | 45.0 | |
| 9.4 | 50.4 | 59.5 | |
| 9.4 | 46 7.3 | 53.5 | αB |
| 9.4 | 37.2 | 28.5 | |
| 9.5 | 58.5 | 38.4 | |
| 9.1 | 47 20.0 | 44.8 | αBb |
| 9.5 | 48 28.2 | 35.0 | |
| 9.4 | 49 0.6 | 49.7 | αB |
| 9.3 | 15.7 | 4.1 | |
| 9.3 | 21.7 | 7.6 | B |
| 9.2 | 25.2 | 39.5 | αBb |
| 9.5 | 50 30.1 | 51.2 | |
| 8.5 | 33.4 | 19.2 | B |
| 9.4 | 47.5 | 49.0 | |
| 9.3 | 52 39.7 | 29.1 | |
| 9.5 | 41.7 | 31.9 | |
| 9.2 | 53 43.9 | 0.3 | |
| 8.0 | 45.9 | 17.9 | L |
| 9.5 | 54 49.7 | 29.2 | |
| 9.0 | 55 0.4 | 48.1 | L |
| 9.2 | 1.8 | 58.0 | |
| 9.3 | 34.8 | 18.0 | |
| 9.1 | 39.7 | 20.0 | αB |
| 8.8 | 49.6 | 24.7 | K |
| 8.9 | 56 1.7 | 12.7 | |
| 9.3 | 5.9 | 56.8 | |
| 7.8 | 10.2 | 43.6 | Kb |
| 9.4 | 19.1 | 46.4 | αB |
| 9.1 | 23.2 | 39.5 | |
| 9.2 | 57 35.7 | 28.8 | |
| 9.5 | 48.1 | 4.2 | |
| | + | + | |
| 10pr. | 32.28 | 3.27 | |

### 161—220

| m | 0ᵘ—1ᵘ | +30° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 58 0.2 | 21.2 | |
| 9.5 | 1.7 | 50.8 | |
| 9.0 | 18.9 | 33.0 | K |
| 8.6 | 31.7 | 20.6 | L |
| 9.3 | 49.2 | 19.9 | |
| 9.1 | 58.7 | 22.3 | K |
| 9.5 | 59 10.7 | 53.2 | |
| 9.5 | 48.6 | 52.9 | |
| 9.4 | 55.9 | 25.4 | |
| 9.4 | 0 6.5 | 16.5 | |
| 9.5 | 40.7 | 19.5 | |
| 8.5 | 47.2 | 55.1 | L |
| 9.4 | 58.5 | 59.8 | |
| 9.5 | 1 13.1 | 12.3 | |
| 9.5 | 26.8 | 5.2 | |
| 9.4 | 42.7 | 3.0 | |
| 8.4 | 2 5.2 | 12.3 | |
| 9.4 | 11.7 | 27.0 | |
| 9.5 | 14.6 | 41.0 | |
| 9.0 | 51.2 | 34.3 | |
| 5.5 | 3 7.6 | 39.5 | Kb |
| 8.3 | 10.7 | 10.4 | K |
| 9.3 | 35.1 | 50.4 | |
| 9.5 | 4 31.7 | 54.3 | |
| 9.5 | 5 24.0 | 11.0 | |
| 8.5 | 46.2 | 27.5 | |
| 9.5 | 6 3.5 | 11.3 | |
| 9.4 | 37.9 | 26.4 | |
| 8.9 | 7 5.1 | 24.9 | |
| 8.8 | 32.2 | 46.1 | K |
| 9.3 | 59.4 | 2.0 | α |
| 9.5 | 59.6 | 18.3 | |
| 9.5 | 8 23.9 | 47.2 | |
| 9.5 | 41.3 | 35.9 | |
| 8.2 | 9 0.0 | 59.9 | K |
| 6.8 | 23.1 | 59.5 | K |
| 9.5 | 55.3 | 32.4 | |
| 9.3 | 10 59.8 | 53.0 | |
| 9.0 | 11 43.8 | 42.0 | K |
| 8.8 | 12 9.0 | 54.4 | K |
| 8.6 | 13.1 | 46.6 | K |
| 9.3 | 43.3 | 22.2 | |
| 9.4 | 54.4 | 50.7 | |
| 9.2 | 59.9 | 44.1 | |
| 9.5 | 13 18.1 | 50.0 | |
| 8.8 | 19.7 | 35.2 | K |
| 8.9 | 28.9 | 11.4 | |
| 9.0 | 48.1 | 12.2 | B |
| 9.5 | 50.5 | 7.6 | |
| 7.6 | 14 6.8 | 56.6 | K |
| 9.5 | 10.6 | 26.4 | |
| 8.6 | 14.6 | 13.9 | K |
| 8.6 | 15 29.6 | 10.9 | K |
| 9.0 | 52.3 | 21.2 | |
| 9.5 | 16 5.6 | 9.3 | B |
| 9.1 | 17 20.8 | 25.4 | |
| 8.3 | 24.8 | 24.2 | B |
| 8.1 | 26.2 | 47.7 | B |
| 8.0 | 30.5 | 47.4 | B |
| 8.7 | 30.9 | 34.2 | L |
| | + | + | |
| 10pr. | 33.02 | 3.20 | |

### 221—280

| m | 1ᵘ | +30° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 17 50.4 | 24.6 | |
| 9.5 | 18 23.2 | 1.1 | |
| 9.5 | 30.4 | 41.0 | |
| 8.5 | 19 32.7 | 20.8 | B |
| 9.5 | 33.9 | 29.4 | α |
| 9.5 | 55.4 | 32.4 | B |
| 9.3 | 20 24.1 | 20.2 | |
| 9.2 | 32.2 | 50.7 | b |
| 9.3 | 21 14.7 | 7.2 | |
| 8.3 | 20.5 | 8.2 | K |
| 9.5 | 37.8 | 56.3 | |
| 9.3 | 40.4 | 17.3 | |
| 8.1 | 41.6 | 14.9 | K |
| 9.0 | 45.2 | 3.6 | K |
| 9.4 | 22 28.5 | 36.2 | |
| 9.5 | 50.4 | 19.7 | |
| 9.4 | 23 16.0 | 34.5 | |
| 9.5 | 24 1.0 | 0.0 | B |
| 9.5 | 55.6 | 51.5 | |
| 8.9 | 25 14.5 | 11.7 | K |
| 9.5 | 26 29.5 | 6.5 | |
| 9.5 | 50.4 | 50.4 | |
| 9.3 | 56.8 | 1.5 | Kb |
| 9.4 | 27 6.7 | 23.3 | αB |
| 8.6 | 15.8 | 1.7 | K |
| 8.4 | 18.2 | 33.6 | S |
| 9.4 | 42.5 | 0.4 | |
| 9.5 | 28 4.0 | 26.8 | |
| 9.4 | 49.9 | 23.3 | |
| 9.4 | 29 28.5 | 50.1 | |
| 9.4 | 41.5 | 34.3 | |
| 8.0 | 49.7 | 2.8 | K |
| 9.4 | 58.4 | 43.5 | |
| 9.0 | 30 5.9 | 38.0 | K |
| 9.4 | 18.9 | 56.9 | |
| 9.1 | 30.5 | 25.7 | |
| 7.8 | 39.4 | 54.2 | K |
| 9.2 | 31 50.2 | 53.4 | K |
| 9.1 | 59.5 | 33.5 | b |
| 9.1 | 32 5.7 | 59.6 | K |
| 9.5 | 33 39.5 | 8.9 | |
| 8.6 | 59.4 | 24.0 | Kb |
| 9.3 | 34 26.5 | 42.5 | |
| 7.8 | 41.5 | 18.1 | K |
| 9.5 | 55.0 | 47.1 | |
| 9.5 | 35 27.1 | 40.5 | |
| 9.5 | 47.3 | 43.9 | |
| 9.1 | 50.6 | 13.0 | K |
| 9.5 | 37 16.5 | 57.7 | |
| 9.1 | 17.7 | 18.9 | K |
| 9.0 | 53.0 | 46.3 | K |
| 9.0 | 58.2 | 2.0 | Bb |
| 8.3 | 38 24.1 | 4.9 | K |
| 9.1 | 29.7 | 22.3 | |
| 9.5 | 43.9 | 10.1 | |
| 9.5 | 39 22.1 | 4.8 | |
| 9.3 | 45.9 | 39.4 | K |
| 9.4 | 48.6 | 8.0 | α |
| 9.5 | 40 7.2 | 49.7 | |
| 8.3 | 13.1 | 3.3 | B |
| | + | + | |
| 10pr. | 33.72 | 3.09 | |

### 281—340

| m | 1ᵘ—2ᵘ | +30° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 40 50.0 | 51.1 | |
| 8.5 | 41 19.9 | 31.9 | K |
| 9.5 | 42.7 | 21.2 | |
| 9.5 | 51.2 | 2.2 | α |
| 9.0 | 57.0 | 38.7 | B |
| 8.5 | 57.9 | 40.2 | K |
| 8.0 | 42 7.2 | 5.4 | K |
| 8.1 | 10.5 | 10.7 | Kb |
| 9.5 | 44 6.8 | 41.8 | B |
| 9.5 | 7.9 | 51.6 | |
| 9.3 | 11.8 | 41.6 | αB |
| 8.7 | 17.9 | 44.9 | K |
| 9.3 | 53.4 | 56.0 | K |
| 9.1 | 45 25.9 | 21.0 | |
| 9.5 | 26.7 | 35.2 | |
| 9.4 | 55.0 | 38.2 | |
| 9.2 | 47 23.5 | 34.8 | αB |
| 8.2 | 27.7 | 55.6 | L |
| 8.9 | 39.5 | 2.3 | |
| 9.5 | 54.6 | 20.5 | |
| 9.3 | 48 35.8 | 18.8 | αB |
| 9.3 | 39.0 | 12.9 | |
| 7.8 | 42.1 | 18.8 | K |
| 8.0 | 52.7 | 21.6 | K |
| 9.0 | 54.2 | 46.3 | B |
| 8.5 | 49 1.5 | 45.6 | B |
| 9.0 | 11.4 | 51.5 | S |
| 8.9 | 22.1 | 52.5 | |
| 8.6 | 26.4 | 12.0 | |
| 7.0 | 44.1 | 26.0 | K |
| 9.4 | 46.1 | 34.8 | αB |
| 9.1 | 50 54.5 | 21.2 | b |
| 9.5 | 51 13.2 | 1.3 | B |
| 8.9 | 39.4 | 38.8 | K |
| 9.5 | 42.5 | 54.4 | |
| 8.5 | 57.8 | 59.7 | L |
| 8.5 | 52 9.4 | 38.8 | K |
| 9.1 | 31.8 | 58.5 | |
| 9.2 | 48.7 | 47.1 | K |
| 8.6 | 54 2.8 | 51.8 | K |
| 9.5 | 34.8 | 56.2 | |
| 9.2 | 46.3 | 48.0 | |
| 9.2 | 55 24.7 | 27.4 | |
| 8.6 | 28.9 | 41.2 | |
| 9.5 | 56 4.7 | 58.9 | |
| 7.8 | 22.8 | 0.6 | Kb |
| 8.3 | 27.9 | 21.4 | K |
| 8.3 | 32.0 | 28.8 | K |
| 9.5 | 44.5 | 37.3 | |
| 9.3 | 57 13.9 | 17.1 | |
| 9.5 | 29.0 | 5.6 | |
| 9.5 | 41.3 | 51.5 | |
| 8.4 | 51.8 | 17.8 | L |
| 9.5 | 54.6 | 33.4 | |
| 9.5 | 58 49.5 | 20.8 | |
| 9.5 | 59 1.0 | 5.5 | |
| 9.2 | 59.6 | 48.7 | |
| 9.4 | 0 5.1 | 42.0 | αB |
| 9.1 | 25.8 | 4.8 | K |
| 9.5 | 33.7 | 28.1 | |
| | + | + | |
| 10pr. | 34.35 | 2.96 | |

### 341—400

| m | 2ᵘ | +30° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 1 11.5 | 7.8 | B |
| 9.1 | 14.2 | 55.5 | K |
| 9.5 | 29.2 | 26.2 | |
| 9.3 | 31.7 | 30.0 | αB |
| 9.5 | 2 14.7 | 27.4 | |
| 9.5 | 43.4 | 21.6 | |
| 6.5 | 59.1 | 50.3 | Lb |
| 9.3 | 3 37.0 | 54.8 | |
| 9.4 | 4 14.7 | 23.3 | |
| 9.5 | 23.8 | 32.2 | |
| 9.5 | 5 29.4 | 58.5 | |
| 9.4 | 35.5 | 53.2 | |
| 9.2 | 38.7 | 9.3 | |
| 7.3 | 54.2 | 3.3 | Kb |
| 9.4 | 6 10.1 | 25.3 | |
| 9.2 | 7 0.7 | 43.9 | |
| 9.4 | 6.4 | 11.3 | |
| 8.9 | 38.4 | 28.1 | |
| 9.4 | 45.8 | 57.4 | |
| 7.4 | 53.8 | 22.2 | K |
| 9.3 | 8 21.3 | 48.0 | αB |
| 8.5 | 28.4 | 20.1 | K |
| 8.5 | 55.7 | 46.2 | K |
| 8.8 | 9 1.3 | 59.4 | K |
| 9.2 | 2.4 | 15.0 | K |
| 9.5 | 20.7 | 27.7 | |
| 9.0 | 28.9 | 35.0 | |
| 9.4 | 56.7 | 21.9 | |
| 9.2 | 10 34.1 | 27.3 | |
| 9.5 | 53.4 | 46.0 | |
| 9.5 | 57.0 | 57.5 | |
| 7.3 | 11 21.5 | 40.8 | L |
| 8.4 | 22.3 | 7.2 | B |
| 8.9 | 34.0 | 9.5 | |
| 9.5 | 37.2 | 2.9 | |
| 9.5 | 43.6 | 2.6 | |
| 9.2 | 12 10.6 | 59.9 | |
| 9.2 | 34.4 | 10.6 | |
| 8.3 | 35.7 | 1.4 | Kb |
| 8.9 | 53.4 | 8.5 | K |
| 9.5 | 13 5.1 | 0.7 | |
| 9.5 | 8.7 | 28.0 | |
| 9.5 | 10.2 | 57.0 | |
| 8.4 | 14 0.6 | 51.9 | K |
| 9.5 | 1.5 | 6.7 | |
| 9.5 | 14.4 | 48.5 | |
| 8.9 | 15 36.9 | 1.1 | Kb |
| 9.5 | 59.8 | 57.5 | |
| 9.4 | 16 22.3 | 14.3 | |
| 9.3 | 32.7 | 53.6 | |
| 8.8 | 37.5 | 38.3 | K |
| 9.5 | 17 10.3 | 54.8 | |
| 7.8 | 33.0 | 15.1 | B |
| 9.5 | 18 4.0 | 25.6 | |
| 8.8 | 19.6 | 6.8 | K |
| 8.0 | 27.3 | 37.8 | K |
| 9.5 | 52.1 | 19.5 | |
| 9.5 | 19 16.7 | 41.8 | |
| 7.8 | 20 48.5 | 13.7 | K |
| 9.5 | 21 7.4 | 45.3 | |
| | + | + | |
| 10pr. | 34.98 | 2.81 | |

156 α
9.5 | 56 10.8 | 46.4 | B

| 401—460 | | | | | 461—520 | | | | | 521—580 | | | | | 581—640 | | | | | 641—700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ʰ | | +30° | | | 2ʰ—3ʰ | | +30° | | | 3ʰ | | +30° | | | 3ʰ—4ʰ | | +30° | | | 4ʰ | | +30° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 21 | 49.0 | 18.2 | | 9.4 | 45 | 27.8 | 52.1 | | 9.4 | 9 | 16.8 | 9.1 | | 9.4 | 42 | 41.8 | 48.1 | | 9.2 | 7 | 50.4 | 26.4 | |
| 9.5 | | 59.5 | 55.4 | | 9.5 | 46 | 8.3 | 34.2 | B | 9.0 | | 20.5 | 16.7 | L | 6.5 | 43 | 2.2 | 44.1 | Kb | 9.5 | 8 | 6.3 | 11.7 | a |
| 9.0 | 22 | 32.5 | 0.3 | B | 9.0 | | 41.0 | 50.7 | K | 9.5 | | 25.8 | 53.7 | | 9.5 | | 12.7 | 4.6 | | 9.5 | | 21.7 | 10.1 | a |
| 8.2 | 23 | 0.2 | 51.9 | K | 7.0 | | 58.1 | 27.0 | K | 8.2 | | 32.5 | 29.4 | L | 9.2 | | 14.8 | 40.3 | | 9.5 | | 26.9 | 45.3 | |
| 9.2 | 24 | 5.8 | 13.8 | | 7.9 | 47 | 8.5 | 59.5 | K | 8.8 | 11 | 16.7 | 32.8 | K | 9.4 | 44 | 13.9 | 4.6 | | 9.1 | | 57.8 | 53.1 | |
| 9.3 | | 13.9 | 19.0 | | 8.0 | | 48.2 | 17.6 | K | 8.8 | | 40.7 | 17.7 | L | 8.9 | | 34.4 | 19.9 | K | 9.2 | 9 | 5.9 | 34.2 | |
| 9.3 | | 25.0 | 40.6 | | 9.5 | 48 | 38.8 | 13.6 | | 9.5 | | 59.5 | 2.9 | | 9.1 | | 48.0 | 46.0 | | 9.5 | | 8.0 | 39.9 | |
| 9.2 | | 43.5 | 33.8 | K | 9.5 | 49 | 14.6 | 21.3 | | 9.5 | 12 | 1.5 | 54.4 | | 9.5 | 45 | 13.7 | 12.7 | | 9.4 | | 33.8 | 41.6 | |
| 7.5 | | 58.2 | 46.6 | K | 7.8 | | 16.8 | 54.3 | L | 9.4 | | 15.2 | 36.6 | B | 9.0 | | 17.0 | 33.0 | | 9.2 | 10 | 0.9 | 5.7 | |
| 7.5 | 25 | 18.6 | 57.8 | L | 9.5 | | 19.0 | 27.4 | | 8.3 | | 27.7 | 13.9 | Lb | 9.5 | | 30.3 | 39.9 | | 9.4 | | 18.3 | 11.6 | |
| 7.6 | | 23.2 | 46.0 | K | 9.0 | | 44.2 | 46.5 | K | 9.4 | 13 | 9.8 | 19.7 | | var | 46 | 19.8 | 37.7 | K | 7.8 | | 21.0 | 31.8 | K |
| 9.2 | 26 | 13.0 | 10.8 | K | 9.4 | 50 | 49.5 | 34.9 | | 7.5 | | 23.9 | 53.4 | K | 9.2 | | 39.9 | 14.7 | Kb | 9.5 | | 46.9 | 14.7 | |
| 9.4 | | 22.3 | 30.9 | | 9.5 | | 59.3 | 52.4 | | 9.5 | | 32.3 | 11.5 | | 9.5 | 47 | 8.4 | 16.1 | | 8.7 | | 55.5 | 47.5 | L |
| 8.2 | | 48.4 | 2.4 | K | 8.3 | 51 | 11.2 | 0.7 | K | 9.5 | | 58.8 | 42.5 | | 9.5 | 49 | 22.1 | 12.3 | B | 8.3 | 11 | 0.5 | 33.6 | K |
| 8.9 | | 58.6 | 45.2 | | 9.4 | | 22.8 | 50.4 | | 7.5 | 14 | 31.2 | 28.3 | L | 9.0 | | 28.6 | 59.4 | K | 9.3 | | 12.3 | 45.5 | B |
| 9.4 | 27 | 3.0 | 24.9 | | 9.5 | | 28.1 | 18.4 | | 9.4 | | 39.5 | 0.4 | | 9.5 | | 43.4 | 49.4 | | 9.3 | | 19.4 | 24.3 | |
| 7.8 | | 18.9 | 31.8 | K | 7.5 | | 31.7 | 32.1 | K | 9.3 | 15 | 4.2 | 56.1 | | 9.3 | | 43.7 | 56.4 | | 8.2 | | 41.8 | 53.7 | K |
| 6.1 | 28 | 5.6 | 58.2 | K | 9.1 | 52 | 6.4 | 10.2 | b | 8.5 | | 44.7 | 53.3 | K | 9.3 | 50 | 34.9 | 21.9 | | 8.5 | | 58.2 | 36.0 | K |
| 9.5 | | 29.0 | 6.9 | | 8.8 | 53 | 24.8 | 25.2 | | 9.1 | 16 | 53.2 | 13.5 | aBb | 8.6 | | 39.6 | 56.2 | K | 8.8 | 13 | 10.9 | 5.1 | |
| 9.4 | 29 | 12.8 | 21.2 | | 9.5 | 54 | 2.0 | 37.6 | B | 8.8 | | 56.8 | 25.2 | K | 8.8 | | 43.2 | 56.4 | K | 9.0 | 15 | 22.6 | 5.9 | |
| 7.3 | | 57.2 | 12.8 | K | 9.4 | | 17.8 | 23.2 | | 9.5 | 18 | 2.7 | 5.6 | | 9.3 | | 46.8 | 22.5 | | 9.4 | | 54.7 | 53.6 | |
| 9.4 | 30 | 4.7 | 15.6 | | 8.7 | 55 | 49.4 | 43.8 | K | 9.4 | | 36.4 | 12.1 | | 9.2 | | 46.8 | 26.7 | b | 9.2 | 16 | 0.3 | 5.6 | a |
| 9.5 | | 28.8 | 2.6 | | 9.4 | 56 | 0.1 | 19.4 | | 9.4 | | 42.8 | 43.5 | | 8.9 | | 54.7 | 1.3 | | 9.4 | | 42.5 | 2.1 | |
| 9.4 | | 35.2 | 20.0 | | 8.5 | | 7.1 | 29.3 | K | 8.8 | | 46.7 | 53.8 | Kb | 9.4 | 51 | 34.4 | 24.4 | | 9.4 | 17 | 29.4 | 15.7 | |
| 9.5 | | 56.2 | 14.9 | aB | 9.4 | | 11.8 | 20.8 | | 9.4 | 19 | 40.3 | 15.7 | | 9.5 | | 39.9 | 41.9 | | 6.0 | 19 | 44.4 | 3.0 | K |
| 9.0 | 31 | 23.7 | 40.6 | B | 8.4 | | 49.8 | 15.0 | L | 9.4 | | 59.2 | 5.8 | | 9.2 | 52 | 45.1 | 34.0 | | 9.4 | 20 | 8.8 | 47.2 | |
| 8.2 | 32 | 13.0 | 47.1 | K | 9.4 | 57 | 2.4 | 38.7 | | 9.3 | 20 | 1.3 | 43.8 | b | 9.0 | 53 | 1.8 | 27.1 | L | 9.4 | | 40.7 | 1.8 | |
| 8.9 | | 22.8 | 34.8 | K | 9.5 | | 24.1 | 15.3 | | neb | | 23.8 | 53.1 | | 9.4 | | 11.9 | 18.9 | | 9.0 | | 58.3 | 12.8 | B |
| 9.5 | | 36.2 | 59.0 | | 9.5 | | 31.1 | 18.0 | | 9.5 | | 28.0 | 55.4 | | 8.2 | | 19.3 | 56.9 | L | 9.4 | 21 | 5.9 | 23.8 | |
| 9.4 | | 49.4 | 54.0 | | 9.5 | | 48.2 | 43.1 | | 9.4 | 21 | 21.8 | 36.6 | | 9.3 | | 50.6 | 10.2 | a | 9.4 | | 18.0 | 3.9 | B |
| 9.5 | | 56.2 | 45.2 | | 9.4 | | 55.9 | 10.6 | | 9.3 | 22 | 47.7 | 10.5 | b | 9.0 | 54 | 30.3 | 18.5 | Kb | 9.1 | | 33.7 | 21.1 | Kb |
| 9.5 | 33 | 1.7 | 53.7 | | 9.1 | 58 | 1.0 | 5.1 | | 8.3 | 23 | 32.5 | 57.5 | K | 9.3 | | 47.1 | 33.3 | | 9.3 | | 53.5 | 7.9 | a |
| 6.9 | | 21.9 | 19.1 | K | 9.0 | 0 | 42.2 | 46.9 | | 8.8 | 26 | 32.7 | 43.5 | K | 9.4 | 55 | 27.4 | 39.1 | | 9.5 | 22 | 9.2 | 48.5 | |
| 9.5 | 34 | 30.0 | 50.7 | | 8.8 | | 59.7 | 50.3 | | 9.2 | 27 | 15.0 | 5.4 | b | 8.9 | | 33.9 | 30.5 | | 8.9 | | 10.5 | 57.7 | K |
| 9.5 | 35 | 14.9 | 56.4 | | 9.5 | 1 | 9.0 | 39.3 | | 9.4 | | 28.9 | 5.9 | | 9.3 | 58 | 9.4 | 37.4 | | 9.5 | | 21.8 | 20.3 | |
| 9.0 | | 46.7 | 25.2 | K | 9.5 | | 49.8 | 54.1 | | 8.3 | | 38.2 | 35.5 | L | 9.5 | | 14.5 | 6.8 | | 9.5 | | 24.1 | 8.7 | B |
| 9.3 | | 46.7 | 24.2 | aB | 9.5 | 2 | 13.7 | 48.2 | | 7.9 | 28 | 8.8 | 39.0 | K | 9.5 | | 29.1 | 48.2 | | 9.3 | | 57.1 | 54.2 | |
| 8.7 | 36 | 6.8 | 51.1 | K | 9.4 | | 18.7 | 22.2 | | 7.1 | | 32.2 | 38.6 | K | 9.0 | | 38.6 | 25.2 | K | 9.5 | 23 | 1.4 | 12.0 | B |
| 9.5 | | 8.6 | 32.2 | | 9.3 | | 36.3 | 49.0 | | 9.5 | 29 | 15.7 | 22.0 | | 9.2 | 59 | 8.4 | 27.1 | K | 9.3 | | 17.2 | 12.0 | aB |
| 9.3 | | 13.0 | 48.2 | | 9.5 | | 51.9 | 41.5 | | 9.2 | | 53.6 | 53.8 | | 9.3 | | 28.7 | 38.7 | B | 9.5 | | 19.2 | 3.5 | |
| 9.5 | | 51.0 | 33.0 | | 9.4 | 3 | 10.2 | 26.8 | aB | 9.2 | 31 | 5.3 | 50.5 | b | 8.3 | | 57.1 | 30.8 | K | 9.5 | | 57.4 | 25.2 | |
| 9.5 | 37 | 35.7 | 56.0 | | 9.0 | | 21.3 | 52.4 | | 9.4 | | 32.0 | 52.4 | | 9.5 | 0 | 7.0 | 41.1 | | 9.5 | 24 | 26.3 | 53.5 | |
| 9.4 | | 54.5 | 44.1 | | 8.7 | 4 | 6.8 | 18.7 | L | 9.3 | 32 | 9.7 | 59.1 | | 8.8 | | 12.1 | 24.0 | | 9.3 | | 32.0 | 52.0 | |
| 7.9 | 38 | 23.1 | 47.1 | L | 9.4 | | 9.2 | 30.6 | aB | 9.3 | 33 | 16.3 | 40.7 | b | 8.5 | | 12.8 | 15.4 | K | 9.3 | | 35.3 | 36.3 | aB |
| 7.9 | 39 | 4.7 | 27.3 | K | 7.2 | | 21.0 | 31.8 | K | 9.5 | 34 | 54.5 | 28.0 | | 9.5 | 1 | 8.0 | 46.2 | | 8.3 | | 47.2 | 53.8 | L |
| 8.4 | | 17.3 | 23.4 | K | 9.3 | | 21.2 | 13.3 | | 9.4 | 35 | 40.8 | 27.3 | | 8.6 | | 12.4 | 15.4 | Kb | 8.9 | 25 | 38.2 | 20.0 | K |
| 8.3 | | 34.0 | 35.0 | K | 8.9 | 5 | 2.3 | 31.5 | | 9.3 | 36 | 3.3 | 26.3 | | 9.4 | | 23.9 | 22.6 | | 9.1 | | 50.7 | 19.4 | K |
| 7.2 | | 59.8 | 31.2 | K | 9.5 | | 15.1 | 5.8 | | 9.0 | | 5.2 | 38.4 | | 9.4 | 2 | 20.3 | 59.8 | | 9.3 | | 52.8 | 48.6 | |
| 8.5 | 40 | 59.7 | 25.5 | | 9.5 | | 43.1 | 33.0 | B | 9.4 | | 48.3 | 32.0 | | 9.5 | | 58.1 | 7.4 | a | 9.4 | 26 | 5.6 | 29.0 | |
| 9.1 | 41 | 3.3 | 21.2 | | 9.2 | | 59.7 | 5.0 | | 9.5 | 37 | 4.8 | 27.3 | | 9.0 | 3 | 8.0 | 2.7 | | 9.5 | | 31.3 | 27.0 | |
| 9.2 | | 10.4 | 50.2 | | 8.5 | 6 | 7.8 | 12.8 | K | 9.4 | | 13.6 | 3.7 | | 9.5 | | 18.2 | 39.4 | | 8.8 | 27 | 15.1 | 36.3 | K |
| 9.5 | | 13.7 | 58.0 | | 5.8 | | 31.6 | 1.0 | K | 9.3 | | 36.7 | 25.9 | | 9.3 | 4 | 11.6 | 47.6 | | 9.3 | | 27.4 | 13.5 | |
| 9.4 | | 48.4 | 5.3 | | 9.5 | | 42.2 | 27.7 | | 9.1 | | 47.8 | 21.5 | b | 9.4 | | 22.9 | 47.0 | | 9.4 | | 30.7 | 54.2 | |
| 9.5 | 42 | 21.8 | 8.2 | | 9.5 | 7 | 26.7 | 46.9 | | 9.5 | 38 | 20.0 | 6.0 | | 9.5 | 5 | 1.3 | 58.0 | | 9.2 | | 50.5 | 29.2 | B |
| 9.5 | 43 | 41.4 | 50.9 | | 9.2 | | 35.1 | 19.1 | | 9.4 | 39 | 11.5 | 39.9 | B | 9.0 | | 29.3 | 35.4 | K | 7.7 | 28 | 4.8 | 6.3 | K |
| 9.1 | 44 | 9.3 | 48.7 | Bb | 9.2 | 8 | 3.4 | 30.0 | K | 8.7 | | 36.0 | 12.3 | K | 8.7 | | 52.5 | 28.4 | K | 9.5 | | 23.9 | 1.7 | |
| 9.0 | | 47.8 | 56.9 | | 9.3 | | 27.2 | 49.7 | B | 8.8 | 40 | 11.2 | 39.7 | K | 9.5 | 6 | 16.9 | 40.8 | | 8.8 | | 32.5 | 58.1 | K |
| 9.0 | | 55.8 | 25.6 | K | 8.9 | | 32.7 | 18.7 | L | 9.5 | | 56.7 | 34.9 | | 9.5 | | 50.8 | 33.9 | | 8.4 | | 36.3 | 6.0 | Kb |
| 9.3 | 45 | 2.5 | 26.0 | a | 9.4 | | 35.3 | 49.5 | B | 9.0 | 41 | 52.3 | 13.2 | | 9.5 | | 51.9 | 39.4 | | 8.7 | | 42.5 | 13.5 | K |
| 9.1 | | 9.4 | 9.9 | b | 6.5 | | 51.0 | 35.5 | K | 9.3 | 42 | 26.9 | 59.6 | | 9.5 | 7 | 11.1 | 23.0 | | 9.1 | | 45.8 | 46.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 35.60 | 2.62 | | 10pr. | | 36.24 | 2.39 | | 10pr. | | 36.80 | 2.13 | | 10pr. | | 37.44 | 1.75 | | 10pr. | | 37.88 | 1.39 | |

701—760

| m | 4ʰ | +30° | |
|---|---|---|---|
| 9.5 | 29′ 16.″7 | 23.1 | |
| 9.4 | 39.8 | 9.4 | |
| 9.4 | 31 1.3 | 16.0 | |
| 7.2 | 36.0 | 0.8 | K |
| 9.5 | 32 41.1 | 44.1 | |
| 9.5 | 33 2.3 | 12.9 | |
| 9.5 | 34 38.6 | 54.9 | |
| 9.4 | 58.8 | 32.4 | |
| 9.1 | 35 0.9 | 21.6 | αBb |
| 9.3 | 7.6 | 14.4 | αB |
| 9.5 | 58.5 | 36.6 | |
| 9.4 | 36 7.0 | 12.8 | |
| 8.5 | 18.6 | 0.8 | K |
| 9.4 | 20.3 | 41.1 | B |
| 9.3 | 41.3 | 57.9 | |
| 9.4 | 37 10.3 | 49.6 | αB |
| 9.5 | 15.4 | 0.1 | |
| 9.3 | 23.4 | 6.2 | α |
| 9.1 | 31.8 | 38.2 | αBb |
| 9.0 | 35.2 | 19.0 | |
| 8.5 | 39 45.3 | 42.0 | K |
| 9.2 | 40 6.1 | 1.9 | b |
| 9.5 | 50.0 | 52.1 | |
| 9.5 | 52.0 | 39.0 | |
| 9.5 | 53.7 | 27.2 | |
| 9.5 | 41 5.8 | 56.8 | |
| 8.7 | 57.2 | 46.5 | K |
| 9.5 | 42 22.3 | 21.8 | |
| 9.5 | 31.2 | 9.7 | |
| 9.5 | 49.3 | 23.1 | |
| 9.5 | 52.5 | 17.6 | |
| 6.8 | 54.6 | 54.7 | K |
| 9.4 | 43 24.3 | 9.5 | α |
| 9.2 | 24.8 | 46.9 | |
| 9.0 | 45.5 | 34.8 | |
| 9.5 | 55.1 | 2.2 | |
| 9.5 | 44 39.7 | 1.0 | α |
| 9.4 | 45 52.2 | 6.3 | α |
| 9.2 | 54.8 | 57.8 | b |
| 9.5 | 46 24.5 | 55.4 | |
| 6.8 | 31.3 | 19.3 | K |
| 7.0 | 35.4 | 6.7 | K |
| 8.8 | 44.9 | 19.7 | K |
| 9.0 | 47 45.8 | 51.8 | |
| 9.4 | 51.5 | 44.3 | |
| 8.1 | 48 53.4 | 24.5 | K |
| 9.1 | 49 4.6 | 3.3 | B |
| 9.0 | 19.4 | 28.2 | K |
| 9.4 | 31.8 | 25.6 | |
| 9.3 | 58.5 | 41.4 | |
| 8.5 | 50 4.7 | 46.5 | K |
| 8.0 | 6.5 | 49.9 | K |
| 9.5 | 16.5 | 24.0 | |
| 9.5 | 31.3 | 25.3 | |
| 9.5 | 49.0 | 18.5 | |
| 9.5 | 51 38.9 | 48.2 | |
| 9.5 | 55.3 | 58.4 | |
| 9.4 | 52 9.2 | 19.0 | |
| 9.5 | 30.7 | 53.0 | |
| 9.5 | 32.2 | 9.6 | |
| 10pr. | 38.15 | 1.10 | |

761—820

| m | 4ʰ—5ʰ | +30° | |
|---|---|---|---|
| 9.0 | 52′ 33.″7 | 56.6 | |
| 9.4 | 46.8 | 57.7 | |
| 9.5 | 53 11.5 | 26.6 | |
| 9.4 | 26.6 | 41.5 | |
| 9.4 | 26.7 | 2.7 | |
| 9.4 | 39.4 | 8.9 | |
| 9.0 | 51.3 | 26.5 | |
| 9.3 | 54 21.9 | 56.0 | |
| 8.5 | 26.5 | 25.2 | |
| 9.4 | 33.0 | 30.8 | |
| 9.5 | 56.3 | 19.4 | |
| 6.5 | 55 0.8 | 17.7 | K |
| 9.5 | 13.4 | 5.1 | |
| 8.8 | 18.7 | 11.8 | K |
| 8.5 | 19.2 | 9.9 | K |
| 9.4 | 21.3 | 20.6 | |
| 9.1 | 24.6 | 3.5 | |
| 9.0 | 34.8 | 41.4 | |
| 9.2 | 56 26.3 | 28.8 | Kb |
| 9.3 | 32.6 | 0.3 | |
| 9.0 | 52.0 | 5.7 | |
| 9.5 | 57 18.5 | 25.3 | |
| 9.5 | 33.4 | 35.8 | |
| 9.2 | 58 0.4 | 54.7 | |
| 8.9 | 8.7 | 55.6 | K |
| 9.0 | 9.8 | 35.3 | |
| 9.2 | 10.2 | 8.5 | |
| 9.0 | 13.1 | 32.7 | |
| 9.3 | 16.8 | 39.2 | |
| 9.0 | 18.5 | 25.8 | |
| 9.5 | 25.6 | 5.0 | |
| 9.6 | 28.3 | 12.5 | |
| 9.5 | 31.7 | 28.0 | |
| 8.5 | 59 0.0 | 59.1 | K |
| 9.4 | 3.8 | 50.4 | |
| 8.8 | 11.6 | 14.8 | K |
| 9.5 | 48.4 | 17.0 | |
| 9.3 | 49.0 | 6.1 | |
| 9.1 | 0 11.0 | 21.8 | αB |
| 9.3 | 31.3 | 30.4 | αB |
| 9.5 | 35.0 | 6.2 | α |
| 9.5 | 46.0 | 5.9 | α |
| 7.8 | 57.7 | 23.4 | B |
| 7.0 | 1 18.9 | 36.3 | B |
| 9.5 | 25.3 | 57.0 | |
| 9.5 | 30.4 | 2.5 | |
| 9.3 | 47.4 | 1.9 | B |
| 8.6 | 49.9 | 6.5 | Rb |
| 9.5 | 2 2.8 | 23.6 | |
| 9.4 | 3.1 | 53.9 | |
| 9.5 | 5.6 | 0.6 | |
| 7.0 | 11.5 | 37.7 | R |
| 9.5 | 28.5 | 20.5 | |
| 9.5 | 32.0 | 26.4 | |
| 9.1 | 33.4 | 9.1 | α |
| 9.5 | 3 1.9 | 23.8 | |
| 9.5 | 4.4 | 35.6 | |
| 8.7 | 11.5 | 3.0 | K |
| 9.1 | 15.4 | 4.9 | K |
| 9.0 | 19.8 | 15.3 | K |
| 10pr. | 38.31 | 0.89 | |

821—880

| m | 5ʰ | +30° | |
|---|---|---|---|
| 9.5 | 3′ 25.″1 | 25.3 | |
| 9.0 | 31.5 | 50.0 | |
| 9.2 | 39.3 | 43.0 | |
| 9.2 | 41.3 | 34.3 | αK |
| 8.6 | 4 6.9 | 46.6 | K |
| 9.1 | 40.1 | 35.0 | |
| 7.5 | 5 0.3 | 13.7 | K |
| 9.5 | 18.0 | 50.9 | |
| 7.9 | 19.5 | 30.2 | K |
| 9.5 | 22.8 | 23.7 | |
| 9.4 | 28.9 | 38.2 | B |
| 8.0 | 37.8 | 52.9 | K |
| 9.5 | 38.2 | 2.9 | |
| 9.5 | 44.0 | 35.0 | |
| 8.8 | 50.3 | 24.1 | K |
| 9.2 | 6 5.7 | 10.1 | αB |
| 9.5 | 11.0 | 15.3 | |
| 8.0 | 37.4 | 19.3 | B |
| 9.1 | 49.7 | 55.5 | |
| 9.1 | 52.0 | 0.9 | K |
| 9.1 | 52.4 | 29.5 | |
| 9.5 | 7 5.5 | 7.1 | |
| 9.4 | 15.4 | 27.2 | |
| 9.0 | 30.9 | 13.3 | |
| 9.3 | 45.8 | 20.7 | |
| 9.1 | 8 22.5 | 39.7 | |
| 9.3 | 22.6 | 49.1 | αB |
| 9.5 | 31.2 | 59.5 | |
| 8.8 | 9 0.5 | 46.2 | |
| 9.1 | 13.0 | 6.0 | α |
| 8.7 | 14.1 | 14.3 | |
| 9.1 | 39.9 | 12.8 | |
| 9.3 | 52.5 | 17.7 | |
| 8.8 | 10 2.4 | 50.8 | K |
| 9.5 | 4.0 | 11.4 | |
| 9.4 | 7.2 | 15.9 | |
| 9.1 | 9.1 | 10.2 | αBb |
| 9.5 | 38.4 | 29.0 | |
| 9.4 | 42.1 | 47.3 | |
| 9.0 | 42.8 | 20.8 | K |
| 9.5 | 11 11.5 | 54.9 | |
| 8.8 | 29.7 | 53.4 | K |
| 9.2 | 38.8 | 4.5 | |
| 9.5 | 53.6 | 30.1 | |
| 9.4 | 12 12.4 | 47.0 | |
| 9.5 | 18.0 | 25.7 | |
| 9.4 | 13 47.1 | 5.3 | α |
| 9.5 | 54.7 | 21.0 | |
| 9.3 | 14 10.2 | 3.6 | |
| 9.4 | 28.3 | 13.5 | |
| 8.9 | 34.3 | 5.6 | |
| 9.2 | 38.4 | 53.7 | |
| 8.9 | 15 11.1 | 3.2 | Kb |
| 9.5 | 13.0 | 41.7 | |
| 9.5 | 15.6 | 56.7 | αB |
| 8.5 | 16.6 | 26.9 | |
| 9.4 | 18.8 | 50.5 | |
| 9.5 | 37.2 | 1.8 | |
| 9.5 | 46.6 | 38.5 | |
| 9.5 | 49.3 | 32.4 | |
| 10pr. | 38.40 | 0.73 | |

881—940

| m | 5ʰ | +30° | |
|---|---|---|---|
| 9.4 | 15′ 56.″9 | 49.5 | |
| 8.5 | 16 1.8 | 1.7 | K |
| 9.5 | 10.7 | 37.6 | |
| 9.2 | 13.6 | 39.6 | K |
| 9.0 | 17.5 | 33.6 | K |
| 8.7 | 19.9 | 49.2 | |
| 9.0 | 20.1 | 32.9 | K |
| 8.5 | 27.5 | 12.7 | |
| 9.5 | 32.6 | 10.5 | α |
| 9.4 | 45 0 | 5.3 | |
| 9.0 | 54.1 | 6.5 | |
| 8.5 | 17 0.2 | 12.4 | |
| 9.5 | 7.1 | 28.7 | |
| 8.5 | 29.5 | 19.8 | |
| 9.5 | 33.9 | 27.9 | |
| 9.2 | 35.0 | 29.2 | |
| 9.0 | 37.6 | 9.7 | |
| 6.2 | 51.4 | 4.2 | L |
| 9.2 | 53.2 | 6.1 | B |
| 9.0 | 59.5 | 42.5 | |
| 8.8 | 18 1.9 | 51.1 | K |
| 8.6 | 11.4 | 45.7 | |
| 9.5 | 19.7 | 34.7 | |
| 9.5 | 32.5 | 53.6 | |
| 9.2 | 46.5 | 13.1 | |
| 8.3 | 52.4 | 31.1 | K |
| 9.3 | 58.3 | 55.5 | α |
| 9.2 | 19 44.4 | 56.0 | K |
| 9.5 | 59.5 | 24.6 | |
| 9.4 | 20 12.0 | 37.5 | α |
| 9.1 | 15.9 | 37.8 | Kb |
| 8.5 | 27.2 | 28.4 | |
| 8.7 | 48.6 | 19.8 | |
| 9.4 | 48.8 | 28.0 | |
| 9.4 | 58.2 | 48.5 | |
| 9.5 | 21 7.3 | 2.8 | α |
| 8.6 | 26.6 | 55.2 | Kb |
| 9.3 | 55.6 | 3.9 | α |
| 9.5 | 22 0.6 | 41.0 | |
| 9.5 | 6.3 | 35.1 | |
| 9.5 | 9.4 | 55.5 | |
| 9.0 | 24.0 | 59.8 | |
| *8.9 | 33.2 | 48.4 | K |
| *9.5 | 46.9 | 30.2 | |
| 9.3 | 23 4.1 | 50.2 | |
| 9.5 | 20.7 | 49.0 | |
| 9.4 | 48.0 | 59.7 | |
| 9.3 | 49.7 | 49.4 | |
| 9.5 | 24 15.6 | 40.5 | |
| 9.5 | 20.1 | 37.8 | |
| 9.5 | 27.1 | 11.6 | |
| 9.1 | 27.7 | 25.7 | K |
| 9.5 | 32.9 | 3.7 | |
| 9.5 | 35.6 | 24.5 | |
| 9.3 | 36.4 | 17.8 | |
| 9.5 | 37.3 | 53.9 | |
| 9.3 | 25 0.7 | 17.3 | |
| 8.7 | 13.9 | 30.1 | |
| 9.5 | 17.9 | 25.4 | |
| 9.3 | 19.1 | 55.3 | K |
| 10pr. | 38.48 | 0.58 | |

941—1000

| m | 5ʰ | +30° | |
|---|---|---|---|
| 9.0 | 25′ 31.″7 | 53.3 | K |
| 8.0 | 46.2 | 49.1 | L |
| 9.5 | 49.5 | 7.5 | α |
| 8.2 | 26 4.2 | 29.9 | K |
| 9.5 | 33.6 | 38.1 | |
| 9.3 | 50.0 | 8.7 | |
| 9.5 | 27 1.6 | 38.6 | |
| 9.5 | 1.9 | 42.3 | |
| 8.2 | 7.0 | 29.0 | L |
| 9.3 | 7.8 | 41.8 | |
| 9.2 | 10.5 | 16.6 | |
| 9.5 | 15.8 | 51.9 | |
| 9.5 | 17.2 | 49.2 | |
| 9.5 | 22.4 | 30.7 | |
| 9.5 | 28.6 | 22.9 | |
| 9.1 | 59.1 | 18.3 | |
| 9.1 | 28 5.0 | 33.9 | |
| 9.2 | 6.3 | 55.1 | K |
| 9.5 | 10.2 | 59.1 | |
| 9.5 | 41.0 | 47.5 | |
| 9.5 | 51.6 | 30.4 | |
| 8.7 | 29 11.0 | 51.6 | |
| 6.0 | 19.6 | 23.9 | Kb |
| 8.9 | 26.5 | 7.4 | |
| 9.5 | 28.6 | 32.6 | |
| 8.1 | 57.5 | 3.5 | B |
| 9.2 | 58.5 | 57.4 | K |
| 7.5 | 30 4.0 | 47.9 | K |
| 9.4 | 14.1 | 3.4 | |
| 8.2 | 39.8 | 0.0 | Bb |
| 9.2 | 46.6 | 8.9 | |
| 9.5 | 57.2 | 27.7 | |
| 9.5 | 31 10.4 | 26.5 | |
| 9.5 | 18.1 | 14.2 | |
| 9.5 | 35.0 | 34.3 | |
| 9.5 | 32 38.8 | 56.7 | |
| 9.4 | 39.7 | 22.6 | |
| 9.5 | 41.8 | 32.6 | |
| 9.1 | 45.0 | 13.0 | b |
| 9.5 | 33 0.3 | 59.6 | |
| 9.4 | 1.7 | 32.2 | αB |
| 9.4 | 4.8 | 1.5 | α |
| 9.5 | 21.0 | 40.9 | |
| 9.5 | 29.9 | 28.9 | |
| 9.5 | 39.7 | 58.6 | |
| 8.2 | 41.6 | 49.2 | K |
| 9.0 | 34 2.6 | 40.3 | |
| 9.4 | 3.4 | 17.1 | |
| 9.5 | 17.0 | 32.6 | |
| 9.4 | 26.8 | 43.7 | |
| 9.5 | 32.9 | 39.0 | |
| 8.1 | 43.6 | 51.3 | S |
| 7.5 | 35 11.1 | 24.7 | K |
| 7.9 | 24.0 | 33.1 | K |
| 9.5 | 39.9 | 58.4 | |
| 9.5 | 49.3 | 21.5 | |
| 8.5 | 36 17.6 | 5.8 | Lb |
| 9.3 | 18.3 | 3.2 | |
| 9.0 | 23.7 | 42.5 | K |
| 9.1 | 28.8 | 45.2 | K |
| 10pr. | 38.53 | 0.43 | |

923 α
nova | 22 41 | 19.9 |

| 1001—1060 | | | | | 1061—1120 | | | | | 1121—1180 | | | | | 1181—1240 | | | | | 1241—1300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵘ | | +30° | | | 5ᵘ | | +30° | | | 5ᵘ—6ᵘ | | +30° | | | 6ᵘ | | +30° | | | 6ᵘ | | +30° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 9.5 | 37 | 1.8 | 33.0 | | 9.3 | 46 | 59.8 | 20.6 | | 8.3 | 58 | 57.9 | 15.9 | L | 9.4 | 8 | 19.0 | 54.6 | B | 9.2 | 19 | 51.5 | 6.9 | |
| 9.2 | | 8.4 | 42.5 | K | 9.1 | 47 | 35.7 | 59.5 | *b* | 8.0 | 59 | 9.8 | 35.1 | K | 9.4 | | 27.3 | 22.5 | | 9.4 | 20 | 0.5 | 1.3 | |
| 9.4 | | 10.2 | 50.9 | | 7.8 | | 40.6 | 34.4 | *B* | 9.4 | | 23.7 | 2.6 | | 9.3 | | 38.0 | 49.9 | | 9.5 | | 3.3 | 50.6 | |
| 9.2 | | 16.5 | 31.1 | | 9.5 | | 52.5 | 46.5 | | 9.5 | | 28.8 | 48.4 | | 9.2 | | 44.3 | 42.0 | K*b* | 9.5 | | 38.1 | 5.2 | |
| 9.4 | | 30.6 | 16.3 | | 9.5 | 48 | 18.7 | 29.4 | | 9.1 | | 35.3 | 15.1 | | 8.7 | 9 | 5.3 | 18.8 | | 8.4 | | 58.3 | 32.4 | R*b* |
| 9.5 | | 44.0 | 13.1 | | 9.2 | | 30.0 | 35.6 | | 8.5 | | 48.3 | 32.2 | K | 9.3 | | 6.7 | 14.6 | | 9.5 | 21 | 11.5 | 54.6 | |
| 9.1 | | 48.6 | 35.3 | | 9.1 | | 32.9 | 25.5 | | 8.8 | | 55.5 | 2.6 | | 9.5 | | 18.3 | 51.4 | | 8.9 | | 20.0 | 48.4 | |
| 9.5 | | 50.0 | 56.5 | | 9.5 | | 53.5 | 57.8 | B | 9.5 | 0 | 2.3 | 5.2 | | 9.2 | | 49.5 | 17.4 | B | 9.4 | | 43.3 | 24.7 | |
| 9.3 | 38 | 5.9 | 40.4 | | 9.3 | 49 | 0.4 | 23.2 | | 9.1 | | 3.3 | 17.8 | | 9.5 | | 57.3 | 2.8 | | 9.4 | | 43.8 | 22.5 | |
| 9.5 | | 7.5 | 14.7 | | 9.4 | | 1.6 | 29.6 | | 9.5 | | 9.7 | 0.1 | | 9.5 | 10 | 12.8 | 56.6 | | 9.3 | 22 | 9.0 | 49.7 | |
| 9.4 | | 7.6 | 20.9 | | 8.7 | | 16.4 | 11.1 | K | 9.5 | | 33.4 | 52.4 | | 9.2 | | 17.3 | 6.2 | | 9.2 | | 23.1 | 13.2 | *b* |
| 9.4 | | 22.2 | 2.5 | | 9.5 | | 38.6 | 46.7 | | 8.5 | | 53.5 | 3.0 | | 9.4 | | 22.2 | 14.8 | | 9.4 | | 34.3 | 57.7 | |
| 9.1 | | 41.6 | 11.9 | K | 9.5 | | 39.0 | 3.4 | *a* | 7.8 | | 53.8 | 34.4 | L | 9.5 | | 22.5 | 21.2 | | 8.8 | | 35.3 | 34.7 | |
| 8.5 | | 47.8 | 34.1 | | 9.1 | | 56.4 | 57.4 | | 8.0 | | 57.3 | 27.4 | L | 9.5 | | 29.2 | 54.8 | B | 9.3 | 23 | 0.3 | 41.4 | |
| 7.3 | | 51.3 | 28.4 | K | 9.5 | 50 | 33.8 | 15.0 | | 9.5 | 1 | 0.2 | 40.7 | | 9.5 | | 51.1 | 14.5 | | 9.5 | | 7.4 | 37.9 | |
| 9.5 | | 52.4 | 45.2 | | 9.1 | | 36.6 | 10.7 | *a* | 8.2 | | 7.0 | 20.0 | L | 7.8 | | 56.3 | 25.6 | K | 8.0 | | 46.3 | 25.3 | L |
| 9.0 | 39 | 10.0 | 1.0 | | 9.1 | | 40.6 | 54.7 | | 9.5 | | 10.5 | 25.2 | | 9.5 | 11 | 7.2 | 47.4 | | 9.2 | | 55.5 | 27.5 | |
| 9.5 | | 16.6 | 38.5 | | 9.4 | 51 | 19.7 | 4.3 | *a* | 8.1 | | 17.3 | 59.0 | K | 9.3 | | 10.3 | 55.0 | | 9.1 | | 57.7 | 11.2 | *b* |
| 9.5 | | 35.9 | 23.9 | | 9.5 | | 28.0 | 44.1 | | 9.5 | | 28.0 | 23.9 | | 9.5 | | 10.8 | 39.5 | | 9.5 | 24 | 20.2 | 2.7 | |
| 8.5 | | 38.6 | 39.0 | K | 9.5 | | 32.3 | 52.5 | | 9.5 | | 45.0 | 52.2 | | 9.4 | | 25.8 | 9.2 | | 9.1 | | 21.1 | 55.6 | |
| 8.7 | | 55.7 | 2.5 | | 8.9 | | 49.2 | 49.6 | K | 8.0 | | 59.3 | 42.1 | K | 9.3 | | 29.3 | 21.5 | | 9.2 | | 32.0 | 21.8 | |
| 9.4 | 40 | 20.0 | 5.9 | *a* | 9.2 | | 53.9 | 34.3 | | 8.3 | 2 | 0.3 | 43.3 | K | 9.5 | | 42.6 | 18.6 | B | 9.4 | | 49.5 | 4.3 | |
| 9.0 | | 38.7 | 19.5 | | 9.5 | | 55.2 | 22.1 | | 9.4 | | 4.3 | 8.5 | | 9.5 | | 44.2 | 14.8 | | 9.5 | 25 | 9.3 | 5.8 | |
| 8.7 | | 39.9 | 30.2 | | 9.0 | | 57.0 | 30.0 | | 9.3 | | 24.0 | 6.0 | | 9.4 | | 52.9 | 24.0 | | 9.1 | | 27.6 | 4.6 | *a* |
| 9.4 | | 46.1 | 57.8 | | 9.5 | 52 | 1.9 | 0.8 | *a* | 9.4 | | 29.2 | 44.0 | | 9.4 | | 55.3 | 7.2 | | 9.0 | | 32.0 | 22.2 | |
| 9.5 | | 55.5 | 13.1 | | 9.2 | | 32.6 | 13.0 | *a* | 9.5 | | 38.8 | 52.2 | | 9.5 | 12 | 5.3 | 36.1 | | 9.3 | | 35.7 | 32.3 | |
| 9.0 | 41 | 32.6 | 40.0 | K | 9.2 | | 39.9 | 7.8 | *a* | 9.3 | | 55.4 | 17.7 | | 9.5 | | 7.2 | 7.2 | | 9.3 | | 55.9 | 20.2 | |
| 9.5 | | 33.8 | 52.5 | | 9.5 | | 43.4 | 16.2 | | 9.5 | | 56.3 | 23.6 | | 9.3 | | 14.0 | 15.3 | | 9.4 | | 56.7 | 49.6 | |
| 9.3 | 42 | 10.2 | 24.4 | | 9.3 | 53 | 9.0 | 55.0 | a*B* | 8.8 | 3 | 9.3 | 21.0 | | 8.1 | | 21.3 | 27.0 | | 9.3 | 26 | 9.3 | 16.0 | |
| 9.0 | | 10.5 | 33.9 | | 9.1 | | 23.3 | 7.8 | *a* | 8.3 | | 11.3 | 33.3 | *B* | 9.2 | | 41.8 | 54.0 | | 8.7 | | 17.3 | 31.3 | K |
| 9.3 | | 11.6 | 34.6 | | 9.0 | | 32.6 | 20.6 | | 7.7 | | 14.7 | 48.6 | K | 7.0 | | 46.5 | 1.6 | K | 9.4 | | 21.4 | 45.6 | |
| 8.8 | | 12.1 | 29.4 | | 9.5 | | 40.1 | 53.5 | | 9.5 | | 38.8 | 59.5 | | 9.5 | | 50.0 | 30.0 | | 9.3 | | 37.3 | 5.1 | |
| 7.4 | | 21.9 | 54.8 | K | 9.3 | | 42.3 | 30.2 | | 9.3 | | 56.3 | 43.0 | | 8.8 | 13 | 12.8 | 34.4 | R | 9.0 | | 45.3 | 44.0 | |
| 8.2 | | 22.8 | 41.7 | K | 9.1 | 54 | 21.1 | 32.4 | *b* | 9.4 | 4 | 34.7 | 54.6 | | 9.2 | | 17.8 | 14.7 | B | 9.5 | 27 | 5.0 | 20.0 | |
| 9.5 | | 35.6 | 37.5 | | 9.1 | | 31.8 | 29.9 | | 9.3 | | 50.3 | 48.2 | | 9.3 | | 43.5 | 27.5 | | 8.4 | | 5.8 | 12.8 | K |
| 9.4 | 43 | 0.8 | 0.3 | *a* | 9.5 | 55 | 13.7 | 30.1 | | 9.4 | | 51.5 | 16.8 | | 8.8 | 14 | 7.3 | 5.0 | R | 9.0 | | 36.5 | 46.6 | |
| 9.5 | | 13.1 | 26.6 | | 9.2 | | 14.2 | 14.3 | *B* | 9.5 | | 59.6 | 3.0 | | 9.5 | | 31.7 | 21.3 | | 9.2 | | 40.0 | 23.6 | |
| 9.4 | | 19.6 | 35.5 | | 8.2 | | 15.7 | 14.1 | B | 9.5 | 5 | 5.2 | 50.8 | | 8.2 | | 54.3 | 31.9 | K | 8.9 | 28 | 18.0 | 1.7 | |
| 9.3 | | 36.7 | 38.5 | | 9.4 | | 18.5 | 36.5 | | 8.8 | | 7.5 | 49.2 | | 8.6 | 15 | 31.3 | 6.9 | | 9.4 | | 33.7 | 2.4 | *a* |
| 9.5 | | 48.5 | 40.0 | | 9.1 | | 34.1 | 57.2 | | 9.3 | | 22.2 | 50.9 | | 8.7 | | 38.3 | 39.8 | R | 9.3 | | 36.4 | 59.1 | *a* |
| 8.0 | 44 | 1.1 | 24.4 | K*b* | 9.5 | | 40.9 | 55.8 | | 8.6 | | 27.0 | 59.3 | K | 9.5 | | 59.4 | 27.4 | | 8.8 | | 57.8 | 44.7 | |
| 9.3 | | 24.5 | 16.5 | | 8.6 | | 50.6 | 15.8 | | 9.3 | | 34.2 | 34.8 | | 9.5 | 16 | 35.0 | 1.5 | | 9.5 | 29 | 3.0 | 15.1 | |
| 9.4 | | 24.6 | 4.1 | *a* | 9.1 | | 54.3 | 46.4 | | 9.3 | | 38.2 | 55.3 | B | 9.5 | | 39.3 | 31.4 | | 9.4 | | 13.2 | 47.0 | |
| 9.2 | | 32.7 | 37.0 | *a* | 9.3 | 56 | 20.8 | 45.0 | | 9.5 | | 51.9 | 16.8 | | 8.5 | | 40.4 | 22.8 | R | 9.0 | | 13.3 | 54.1 | |
| 7.8 | | 56.8 | 26.9 | K | 9.3 | | 25.0 | 53.4 | | 9.2 | 6 | 17.4 | 4.5 | a*B* | 9.2 | 17 | 6.2 | 1.5 | *a* | 9.5 | | 23.5 | 29.4 | |
| 9.0 | | 57.6 | 36.1 | | 9.1 | | 29.8 | 13.0 | | 9.5 | | 18.0 | 0.7 | | 9.3 | | 7.4 | 3.2 | B | 9.5 | | 33.0 | 39.2 | |
| 9.4 | 45 | 1.0 | 51.7 | | 9.2 | | 36.3 | 36.1 | | 8.5 | | 29.3 | 49.7 | | 9.5 | | 13.2 | 44.5 | | 9.2 | | 37.1 | 56.5 | |
| 9.5 | | 9.3 | 20.3 | | 9.0 | | 55.3 | 4.3 | | 8.7 | | 37.8 | 33.4 | | 9.5 | | 26.9 | 27.4 | | 9.1 | | 51.3 | 8.0 | *a* |
| 9.5 | | 12.1 | 25.2 | | 9.1 | | 58.5 | 52.2 | K | 9.1 | | 47.3 | 1.0 | *a* | 9.5 | | 28.4 | 20.2 | | 9.5 | 30 | 5.7 | 51.8 | |
| 8.9 | | 34.5 | 18.0 | K | 8.4 | | 58.6 | 47.2 | K | 9.5 | | 58.0 | 34.8 | | 9.4 | | 47.5 | 0.2 | | 8.0 | | 16.1 | 25.5 | L |
| 9.0 | | 42.7 | 45.9 | K | 9.4 | 57 | 42.1 | 13.6 | | 9.2 | 7 | 1.3 | 7.4 | | 9.3 | 18 | 7.3 | 21.3 | *R* | 9.5 | | 35.5 | 2.7 | |
| 9.5 | | 51.8 | 54.5 | | 9.2 | | 54.3 | 59.6 | | 7.0 | | 3.3 | 8.6 | S | 7.1 | | 20.3 | 43.6 | B | 9.5 | | 47.3 | 10.0 | |
| 9.5 | | 53.6 | 15.0 | | 9.4 | 58 | 8.2 | 12.7 | | 9.2 | | 12.1 | 49.8 | | 9.3 | | 42.0 | 22.6 | R | 9.5 | | 50.4 | 31.5 | |
| 9.5 | 46 | 8.1 | 45.0 | | 9.5 | | 22.1 | 25.5 | | 9.2 | | 27.5 | 47.6 | | 9.5 | | 45.5 | 11.9 | | 9.5 | | 55.4 | 21.0 | B |
| 8.3 | | 15.9 | 40.5 | K | 9.1 | | 22.8 | 41.9 | K | 9.1 | | 27.8 | 51.3 | *b* | 8.5 | | 51.8 | 29.9 | R | 9.2 | | 56.7 | 45.0 | |
| 9.5 | | 17.7 | 36.3 | | 9.4 | | 31.3 | 7.6 | *a* | 9.2 | | 35.0 | 46.9 | | 9.3 | | 54.7 | 37.1 | | 9.3 | | 57.8 | 4.5 | |
| 9.5 | | 32.6 | 43.0 | | 9.3 | | 47.5 | 32.4 | | 8.0 | | 36.8 | 2.8 | B | 9.3 | | 55.7 | 8.4 | B | 8.2 | | 58.3 | 17.6 | K |
| 9.5 | | 35.2 | 50.8 | | 9.5 | | 52.7 | 1.5 | *a* | 8.8 | | 55.9 | 59.9 | | 6.0 | 19 | 15.0 | 34.9 | K*b* | 9.4 | 31 | 30.0 | 50.5 | B |
| 9.0 | | 37.9 | 26.0 | | 9.5 | | 54.6 | 33.6 | | 9.5 | | 57.5 | 48.4 | | 9.5 | | 17.8 | 15.9 | | 9.5 | | 30.7 | 52.0 | |
| 9.5 | | 58.0 | 35.9 | | 8.6 | | 57.1 | 35.6 | K | 9.5 | 8 | 11.1 | 3.8 | | 8.5 | | 25.3 | 22.4 | R | 8.0 | | 35.3 | 20.0 | K |
| | | + | + | | | | + | + | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *38.57* | *0.26* | | *10pr.* | | *38.59* | *0.10* | | *10pr.* | | *38.60* | *0.05* | | *10pr.* | | *38.58* | *0.19* | | *10pr.* | | *38.64* | *0.38* | |

| 1301—1360 | | | | | 1361—1420 | | | | | 1421—1480 | | | | | 1481—1540 | | | | | 1541—1600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵃ | | +30° | | | 6ᵃ | | +30° | | | 6ᵃ—7ᵃ | | +30° | | | 7ᵃ | | +30° | | | 7ᵃ | | +30° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.5 | 32 | 27.5 | 14.3 | | 8.6 | 46 | 38.1 | 52.6 | K | 9.1 | 58 | 47.2 | 37.5 | | 9.5 | 10 | 40.7 | 4.9 | | 8.7 | 30 | 51.2 | 13.6 | |
| 9.2 | | 28.9 | 7.9 | Kb | 9.1 | | 40.2 | 14.6 | | 9.5 | | 51.5 | 55.3 | | 9.5 | | 46.3 | 18.4 | | 8.9 | 31 | 4.3 | 15.8 | |
| 8.0 | | 29.3 | 48.7 | K | 9.0 | | 49.0 | 42.3 | | 8.6 | | 52.5 | 4.1 | Lb | 9.1 | 11 | 21.4 | 39.3 | B | 9.0 | | 12.7 | 27.3 | |
| 9.4 | 33 | 21.9 | 59.0 | | 8.9 | | 50.3 | 44.5 | B | 9.3 | 59 | 4.1 | 29.6 | | 9.2 | | 22.4 | 30.3 | K | 9.1 | | 26.5 | 23.2 | |
| 8.2 | | 33.3 | 31.4 | B | 9.4 | 47 | 18.4 | 1.6 | | 9.3 | | 12.5 | 51.7 | | 9.3 | | 30.0 | 44.2 | | 9.5 | | 28.1 | 51.5 | |
| 8.6 | | 39.8 | 7.4 | | 9.4 | | 39.8 | 29.8 | | 9.4 | | 18.2 | 42.8 | | 9.1 | 12 | 7.1 | 54.9 | | 8.8 | 32 | 8.5 | 53.6 | Kb |
| 8.8 | | 49.5 | 29.8 | | *9.3 | | 40.6 | 33.4 | | 9.1 | | 37.2 | 14.0 | aB | 9.1 | | 35.7 | 5.6 | | 9.5 | | 33.7 | 4.2 | |
| 9.5 | | 55.4 | 28.3 | B | 8.3 | | 46.8 | 13.3 | K | 9.5 | | 51.2 | 10.5 | | 8.3 | | 53.8 | 6.1 | | 9.5 | 33 | 8.6 | 43.2 | |
| 9.4 | 34 | 20.3 | 5.9 | | 8.1 | 48 | 1.9 | 47.2 | K | 9.3 | | 51.5 | 6.1 | | 8.1 | | 57.4 | 33.2 | K | 7.0 | | 11.1 | 30.5 | K |
| 9.3 | | 25.7 | 47.1 | | 9.5 | | 9.2 | 23.5 | | 7.8 | | 55.2 | 35.9 | K | 7.6 | 13 | 24.0 | 5.5 | Kb | 8.8 | | 19.0 | 54.3 | |
| 9.0 | | 26.9 | 54.8 | K | 8.9 | | 9.8 | 33.3 | B | 7.5 | 0 | 5.7 | 22.6 | Kb | 9.3 | | 28.7 | 39.6 | B | 8.9 | | 23.6 | 50.1 | |
| 8.9 | | 45.6 | 58.8 | K | 9.2 | | 12.7 | 31.1 | | 9.1 | | 10.3 | 13.8 | B | 9.4 | | 59.0 | 6.8 | | 9.5 | | 41.3 | 41.6 | |
| 8.6 | 35 | 3.7 | 39.0 | | 8.5 | | 16.3 | 56.9 | B | 9.3 | | 14.9 | 50.4 | | 9.3 | 14 | 50.7 | 30.3 | | 8.9 | | 47.5 | 9.8 | |
| 8.2 | | 16.8 | 37.3 | K | 9.1 | | 17.9 | 39.0 | | 9.5 | | 15.3 | 11.4 | | 9.1 | 15 | 11.4 | 57.7 | K | 9.3 | | 48.4 | 59.4 | |
| 9.5 | | 35.5 | 0.3 | | 9.0 | | 19.9 | 41.4 | K | 8.8 | | 52.8 | 14.1 | B | 9.3 | | 33.0 | 28.5 | a | 9.3 | 34 | 10.1 | 28.6 | |
| 9.0 | | 45.3 | 14.1 | | 9.4 | | 24.0 | 48.8 | B | 8.1 | 1 | 10.1 | 35.4 | K | 9.5 | 16 | 16.2 | 27.7 | B | 9.2 | | 11.5 | 43.3 | |
| 9.5 | | 45.4 | 0.1 | | 9.5 | 49 | 2.5 | 14.4 | | 8.9 | | 38.8 | 4.8 | | 9.5 | | 39.3 | 33.4 | | 8.7 | | 14.8 | 37.9 | |
| 7.0 | | 50.3 | 58.6 | K | 9.4 | | 6.0 | 22.3 | | 9.3 | | 49.8 | 43.5 | | 9.5 | | 40.1 | 27.1 | | 9.5 | | 41.6 | 24.9 | |
| 8.9 | | 52.0 | 45.8 | | 9.1 | | 21.1 | 29.5 | aBb | 4.7 | | 54.8 | 29.4 | Kb | 9.5 | | 45.8 | 24.6 | | 9.5 | 35 | 10.9 | 0.3 | |
| 8.9 | 36 | 14.8 | 20.0 | | 9.3 | | 22.1 | 25.5 | | 9.4 | 2 | 4.5 | 9.9 | | 9.0 | 17 | 3.4 | 2.7 | K | 9.5 | | 46.7 | 6.7 | |
| 9.2 | | 31.0 | 2.0 | | 9.5 | | 26.8 | 53.2 | | 9.4 | | 6.1 | 54.9 | | 8.8 | | 9.0 | 15.2 | | 9.1 | 36 | 1.5 | 34.8 | b |
| 9.0 | | 31.8 | 35.1 | | 9.4 | | 33.3 | 2.1 | | 7.8 | | 14.0 | 42.2 | B | 8.6 | | 11.7 | 46.3 | | 9.5 | | 17.6 | 35.6 | |
| 9.3 | | 34.3 | 38.8 | | 9.4 | 50 | 5.1 | 54.1 | | 9.2 | | 16.5 | 38.4 | | 9.5 | | 23.6 | 54.9 | | 9.1 | | 31.7 | 28.0 | |
| 9.3 | 37 | 27.0 | 7.7 | | 9.5 | | 13.6 | 53.5 | | 8.7 | | 17.1 | 49.1 | K | 9.5 | 18 | 2.4 | 57.6 | | 9.2 | 37 | 24.0 | 30.4 | |
| 9.0 | | 37.5 | 59.5 | | 9.1 | | 18.9 | 27.1 | aB | 9.3 | | 39.8 | 32.8 | | 8.9 | | 14.5 | 9.1 | | 9.4 | | 30.1 | 50.8 | |
| 9.5 | | 38.1 | 51.9 | | 9.5 | | 31.3 | 7.4 | | 8.7 | 3 | 2.7 | 38.3 | K | 9.5 | | 32.8 | 14.2 | | 8.1 | 38 | 18.2 | 26.8 | K |
| 9.5 | | 48.7 | 46.5 | | 7.5 | | 54.4 | 28.8 | B | 9.5 | | 6.5 | 31.6 | | 9.5 | | 39.9 | 53.5 | | 9.3 | | 21.5 | 46.5 | |
| 9.5 | | 49.8 | 1.0 | | 9.4 | 51 | 10.6 | 18.6 | | 9.3 | | 43.7 | 54.1 | | 8.7 | | 52.9 | 36.1 | | 9.1 | | 32.1 | 13.5 | |
| var | | 50.0 | 25.2 | | 9.0 | | 40.2 | 15.7 | | 9.1 | | 51.6 | 48.0 | | 9.5 | | 59.1 | 51.9 | | 9.4 | | 39.6 | 37.0 | B |
| 9.5 | 38 | 8.6 | 22.2 | | 9.4 | | 42.3 | 36.0 | | 9.3 | | 52.7 | 34.1 | | 9.4 | 19 | 35.5 | 49.3 | | 9.5 | | 53.2 | 4.3 | |
| 8.2 | | 12.3 | 46.2 | B | 9.0 | | 42.5 | 18.8 | | 9.1 | 4 | 2.1 | 55.2 | | 9.5 | | 48.1 | 37.0 | | 9.4 | 39 | 39.5 | 24.2 | |
| 7.8 | | 29.3 | 15.5 | K | 9.3 | | 44.7 | 55.0 | | 9.5 | | 28.3 | 4.9 | B | 9.5 | 20 | 4.5 | 53.4 | | 9.4 | | 55.2 | 30.4 | B |
| 9.4 | | 37.2 | 9.1 | | 8.2 | | 46.8 | 8.8 | Kb | 9.5 | | 33.9 | 1.9 | | 9.5 | | 15.7 | 52.4 | | 9.5 | 40 | 27.4 | 12.8 | |
| 9.5 | 39 | 22.5 | 44.0 | | 9.4 | | 49.2 | 58.5 | | 9.4 | | 44.8 | 10.9 | | 9.5 | | 21.0 | 55.4 | B | 8.3 | | 50.7 | 17.6 | Bb |
| 9.5 | | 24.2 | 9.1 | B | 9.4 | 52 | 6.5 | 9.5 | B | 9.5 | | 50.1 | 21.5 | | 9.2 | | 38.3 | 3.0 | | 9.5 | | 53.6 | 53.7 | |
| 8.7 | | 50.9 | 17.1 | K | 9.6 | | 31.6 | 30.4 | | 9.5 | 5 | 6.1 | 19.7 | | 9.5 | 21 | 16.2 | 2.2 | | 9.0 | 41 | 26.5 | 59.8 | |
| 9.4 | | 59.0 | 57.4 | | 9.5 | | 39.2 | 50.0 | | 9.1 | | 15.6 | 41.8 | | 9.3 | | 28.3 | 20.8 | | 9.5 | | 28.4 | 6.0 | |
| 9.5 | 40 | 12.3 | 26.4 | | 8.8 | | 42.9 | 40.1 | B | 9.5 | | 15.6 | 9.3 | | 9.1 | | 30.4 | 7.5 | aBb | 9.2 | | 32.8 | 31.0 | |
| 9.1 | | 16.4 | 32.5 | b | 9.3 | | 44.0 | 38.6 | | 9.3 | | 26.5 | 8.3 | | 8.4 | | 44.8 | 52.2 | K | 9.0 | | 34.8 | 1.8 | B |
| 9.2 | 41 | 17.0 | 52.8 | | 9.4 | | 45.2 | 48.0 | | 9.5 | | 30.5 | 7.2 | | 8.5 | | 51.2 | 52.2 | K | 9.5 | | 49.6 | 21.1 | |
| 9.4 | | 25.4 | 29.5 | aB | 9.0 | | 50.1 | 25.5 | B | 9.0 | | 35.2 | 13.4 | | 9.5 | 22 | 35.1 | 20.2 | | 7.6 | | 53.9 | 37.4 | B |
| 9.5 | | 32.9 | 29.9 | | 9.3 | | 58.3 | 40.2 | B | 9.1 | | 42.5 | 6.3 | a | 9.1 | 23 | 14.0 | 16.9 | Bb | 9.5 | | 55.9 | 0.5 | |
| 9.3 | | 46.2 | 13.8 | | 9.3 | 53 | 2.8 | 31.6 | | 8.8 | | 49.6 | 36.2 | | 9.5 | | 19.0 | 58.8 | | 8.0 | 42 | 21.9 | 53.6 | K |
| 9.3 | | 52.3 | 24.3 | B | 8.7 | | 13.6 | 4.5 | Kb | 8.7 | | 50.8 | 6.0 | K | 9.5 | | 22.5 | 16.3 | | 9.5 | | 41.4 | 42.1 | |
| 7.9 | 42 | 1.7 | 0.6 | L | 9.4 | | 25.1 | 30.0 | | 9.1 | 7 | 2.0 | 36.3 | | 7.5 | 24 | 20.9 | 55.5 | L | 9.1 | | 42.6 | 36.0 | K |
| 9.3 | | 30.5 | 14.3 | | 8.5 | 54 | 26.2 | 41.3 | K | 8.7 | | 9.7 | 57.5 | K | 9.3 | | 45.0 | 31.9 | B | 9.5 | | 42.7 | 49.7 | |
| 9.3 | | 51.8 | 32.2 | B | 8.8 | | 27.3 | 10.7 | K | 9.0 | | 14.8 | 40.5 | | 9.0 | | 55.7 | 41.1 | K | 9.3 | 43 | 5.7 | 10.0 | |
| 9.3 | | 52.5 | 44.3 | | 9.4 | | 30.6 | 12.3 | | 8.9 | | 21.5 | 9.5 | | 9.4 | 25 | 43.9 | 8.8 | | 9.5 | | 10.6 | 13.9 | |
| 9.4 | 43 | 1.0 | 49.7 | | 9.0 | | 33.0 | 18.5 | | 9.1 | | 49.6 | 12.2 | | 9.5 | 26 | 8.1 | 59.2 | | 8.1 | | 25.4 | 17.9 | K |
| 9.4 | | 8.8 | 32.5 | | 9.2 | | 48.7 | 54.2 | | 9.4 | | 57.5 | 3.4 | | 8.5 | | 15.0 | 32.8 | K | 8.7 | | 41.0 | 5.4 | K |
| 9.5 | | 11.0 | 25.0 | | 9.4 | | 59.2 | 10.1 | B | 9.5 | | 59.5 | 7.8 | | 9.5 | | 37.5 | 4.8 | a | 8.8 | | 45.0 | 32.0 | |
| 8.8 | | 38.2 | 24.1 | | 8.9 | 55 | 34.0 | 28.4 | | 9.5 | 8 | 27.8 | 2.4 | | 9.5 | 27 | 21.0 | 14.4 | | 9.2 | | 56.8 | 44.9 | |
| 9.5 | | 45.5 | 32.0 | | 7.3 | | 43.5 | 34.5 | K | 8.7 | | 33.1 | 37.8 | K | 8.4 | | 32.9 | 5.8 | | 9.5 | 44 | 24.7 | 51.0 | |
| 8.3 | 44 | 10.5 | 38.5 | K | 9.1 | 56 | 15.9 | 4.3 | | 8.7 | | 39.6 | 44.1 | K | 9.2 | | 50.2 | 0.0 | | 9.2 | | 27.0 | 22.2 | |
| 9.4 | | 13.5 | 56.1 | | 9.2 | | 28.0 | 51.3 | B | 9.2 | | 49.0 | 40.1 | | 8.5 | | 57.3 | 19.3 | | 9.4 | | 28.6 | 3.2 | |
| 9.5 | 45 | 26.5 | 43.2 | | 9.1 | | 53.4 | 22.7 | b | 9.5 | 9 | 25.8 | 25.5 | | 9.1 | 28 | 9.1 | 10.4 | | 9.1 | | 31.6 | 40.1 | |
| 7.8 | | 31.7 | 0.2 | Kb | 9.5 | 57 | 5.3 | 56.3 | | 9.4 | 10 | 7.8 | 18.3 | B | 9.4 | 29 | 2.1 | 39.7 | aB | 9.4 | | 34.8 | 48.0 | B |
| 9.5 | 46 | 6.5 | 25.0 | | 9.5 | | 46.5 | 58.3 | | 9.4 | | 24.8 | 53.7 | B | 9.3 | | 12.4 | 54.4 | | 9.3 | 45 | 13.9 | 2.3 | |
| 8.1 | | 10.5 | 20.7 | K | 9.3 | | 58.8 | 44.5 | | 9.5 | | 30.0 | 45.2 | | 9.5 | 30 | 2.8 | 29.6 | B | 9.3 | | 19.1 | 51.3 | |
| 9.5 | | 33.6 | 5.4 | | 9.4 | 58 | 12.4 | 17.2 | | 9.5 | | 30.5 | 50.7 | | 9.1 | | 41.8 | 17.7 | a | 9.4 | | 19.8 | 43.4 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 38.49 | 0.55 | | 10pr. | | 38.40 | 0.74 | | 10pr. | | 38.29 | 0.93 | | 10pr. | | 38.12 | 1.14 | | 10pr. | | 37.87 | 1.40 | |

| 1367 a | | | | |
|---|---|---|---|---|
| 9.0 | 47 | 45.5 | 56.9 | B |

1601—1660

| | 7ᵘ—8ᵘ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.5 | 45 39.4 | 44.5 | L |
| 9.3 | 46.4 | 56.6 | αB |
| 9.4 | 56.0 | 39.4 | B |
| 9.5 | 46 2.6 | 39.7 | B |
| 9.3 | 7.5 | 16.7 | |
| 9.5 | 12.5 | 39.2 | B |
| 9.4 | 18.9 | 38.4 | |
| 8.5 | 24.0 | 56.8 | B |
| 8.5 | 36.0 | 13.8 | B |
| 8.4 | 36.4 | 45.5 | |
| 9.3 | 48.5 | 2.4 | |
| 7.0 | 47 11.0 | 13.8 | B |
| 9.5 | 17.5 | 44.1 | |
| 9.5 | 23.5 | 53.0 | |
| 9.4 | 46.4 | 13.0 | |
| 9.5 | 48 5.0 | 48.3 | |
| 9.5 | 15.8 | 21.7 | |
| 9.3 | 41.3 | 49.2 | |
| 9.5 | 43.6 | 4.5 | |
| 8.7 | 49.0 | 50.9 | K |
| 9.5 | 49 4.7 | 50.1 | |
| 8.9 | 20.6 | 48.1 | |
| 8.6 | 24.4 | 20.6 | R |
| 9.3 | 49.6 | 13.4 | |
| 9.3 | 57.3 | 40.7 | |
| 8.3 | 50 13.1 | 50.3 | K |
| 9.2 | 41.5 | 27.3 | |
| 9.0 | 44.8 | 29.1 | B |
| 9.2 | 45.5 | 14.8 | |
| 9.3 | 52 2.2 | 39.0 | |
| 9.0 | 53 41.2 | 3.0 | |
| 9.4 | 42.1 | 54.0 | |
| 9.3 | 56.5 | 15.6 | |
| 9.5 | 54 12.1 | 56.8 | |
| 9.2 | 50.4 | 58.3 | *b* |
| 9.5 | 55 41.0 | 55.5 | |
| 9.5 | 56 10.7 | 1.0 | |
| 9.5 | 11.5 | 30.5 | |
| 9.0 | 27.8 | 31.3 | B |
| 9.2 | 57 4.9 | 11.1 | B*b* |
| 9.5 | 38.6 | 38.6 | |
| 9.5 | 58 6.9 | 7.1 | |
| 9.3 | 15.0 | 36.2 | |
| 9.5 | 35.5 | 25.3 | B |
| 8.5 | 47.2 | 51.6 | K |
| 8.9 | 59.6 | 56.0 | K |
| 9.5 | 59 13.2 | 30.3 | |
| 9.5 | 57.9 | 36.5 | |
| 9.5 | 0 1.3 | 52.0 | |
| 8.5 | 5.7 | 58.5 | K |
| 8.3 | 21.0 | 47.1 | S |
| 9.5 | 22.8 | 14.8 | |
| 9.5 | 44.3 | 15.8 | |
| 9.3 | 54.6 | 42.7 | |
| 9.5 | 1 8.7 | 26.5 | |
| 9.5 | 36.9 | 13.8 | |
| 9.2 | 2 2.3 | 43.7 | |
| 9.5 | 3 17.9 | 5.7 | B |
| 8.8 | 26.6 | 47.5 | |
| 8.7 | 34.5 | 54.3 | K |
| | + | — | |
| 10pr. | 37.66 | 1.58 | |

1661—1720

| | 8ᵘ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.4 | 3 53.2 | 52.4 | K |
| 9.5 | 4 2.0 | 4.1 | |
| 9.2 | 10.6 | 14.3 | |
| 5.6 | 11.0 | 6.7 | K*b* |
| 9.2 | 17.5 | 0.6 | αB |
| 8.9 | 28.0 | 38.9 | K |
| 9.5 | 36.3 | 34.4 | |
| 9.5 | 36.9 | 51.1 | |
| 9.3 | 37.6 | 17.5 | |
| 9.5 | 56.2 | 50.1 | |
| 9.5 | 59.1 | 0.8 | |
| 9.3 | 5 10.6 | 49.6 | αB |
| 9.3 | 16.0 | 25.5 | |
| 9.3 | 17.3 | 43.7 | |
| 8.7 | 6 11.6 | 55.6 | K |
| 8.5 | 48.0 | 21.1 | |
| 8.5 | 59.7 | 4.6 | K*b* |
| 9.4 | 7 37.3 | 9.3 | |
| 9.5 | 56.4 | 22.5 | |
| 8.1 | 8 1.0 | 46.9 | K*b* |
| 9.4 | 17.5 | 0.8 | B |
| 9.4 | 27.5 | 33.4 | |
| 9.5 | 47.3 | 55.0 | |
| 9.5 | 52.4 | 44.8 | |
| 8.8 | 57.0 | 10.4 | |
| 9.5 | 59.0 | 54.7 | |
| 9.5 | 59.0 | 57.6 | |
| 9.5 | 9 5.0 | 52.6 | |
| 9.0 | 35.6 | 46.8 | |
| 9.5 | 37.4 | 6.9 | |
| 9.4 | 49.3 | 27.9 | |
| 9.5 | 10 27.4 | 39.6 | |
| 9.5 | 44.5 | 54.8 | |
| 9.3 | 11 36.9 | 36.2 | |
| 9.4 | 12 13.3 | 12.1 | |
| 9.5 | 50.0 | 59.9 | |
| 9.5 | 13 5.5 | 39.0 | |
| 9.3 | 5.5 | 23.4 | |
| 9.4 | 34.4 | 48.7 | B |
| 9.0 | 14 0.6 | 29.3 | |
| 8.8 | 0.9 | 59.3 | |
| 8.1 | 30.1 | 37.6 | K |
| 9.2 | 30.5 | 52.7 | |
| 8.4 | 15 7.9 | 11.3 | K |
| 9.1 | 32.8 | 34.4 | |
| 8.5 | 16 22.7 | 6.7 | K*b* |
| 9.5 | 35.8 | 28.2 | |
| 9.5 | 17 20.5 | 27.3 | |
| 8.3 | 18 9.9 | 2.8 | K |
| 9.5 | 31.7 | 48.5 | |
| 9.5 | 19 24.6 | 22.0 | |
| 9.2 | 20 2.2 | 35.3 | |
| 9.3 | 7.1 | 45.3 | |
| 9.1 | 11.7 | 41.2 | *b* |
| 9.1 | 28.8 | 51.2 | |
| 9.5 | 31.4 | 1.3 | B |
| 9.5 | 21 59.7 | 14.8 | |
| 8.9 | 22 39.1 | 36.8 | K |
| 8.1 | 55.7 | 12.1 | K |
| 9.5 | 23 15.6 | 24.4 | |
| | + | — | |
| 10pr. | 37.37 | 1.80 | |

1721—1780

| | 8ᵘ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.1 | 23 42.8 | 52.2 | |
| 9.5 | 24 9.4 | 4.1 | |
| 9.3 | 20.3 | 12.6 | B |
| 9.5 | 27.0 | 22.5 | |
| 9.2 | 40.7 | 31.3 | |
| 9.0 | 55.8 | 48.5 | |
| 9.4 | 25 15.9 | 56.7 | |
| 9.5 | 26 16.7 | 15.5 | |
| 9.5 | 56.6 | 54.6 | |
| 9.5 | 27 0.3 | 4.8 | |
| 8.5 | 5.2 | 31.5 | K*b* |
| 9.5 | 13.3 | 20.9 | |
| 9.5 | 40.2 | 35.7 | |
| 8.9 | 28 7.4 | 16.5 | K |
| 9.4 | 15.2 | 3.8 | |
| 9.5 | 30.2 | 8.3 | *a* |
| 9.5 | 45.6 | 38.1 | |
| 8.3 | 29 15.7 | 31.3 | |
| 9.0 | 30.7 | 8.4 | B |
| 9.4 | 40.8 | 16.8 | |
| 9.5 | 58.4 | 12.7 | |
| 9.5 | 30 15.2 | 44.6 | |
| 8.9 | 35.8 | 1.8 | K |
| 9.4 | 40.7 | 32.3 | |
| 9.1 | 31 25.2 | 33.0 | *b* |
| 9.5 | 56.3 | 58.3 | |
| 9.4 | 32 9.3 | 19.8 | |
| 9.5 | 11.2 | 52.9 | |
| 9.5 | 24.7 | 56.7 | |
| 9.3 | 45.2 | 18.3 | B |
| 8.7 | 46.7 | 30.4 | B |
| 9.4 | 54.0 | 57.9 | |
| 9.5 | 33 33.9 | 7.4 | |
| 9.5 | 50.3 | 5.5 | |
| 9.5 | 34 21.8 | 30.3 | |
| 9.3 | 35 6.0 | 15.9 | |
| 9.5 | 6.0 | 49.5 | |
| 9.4 | 18.6 | 5.5 | |
| 9.5 | 57.8 | 49.3 | |
| 8.5 | 36 18.3 | 10.4 | K |
| 9.4 | 45.3 | 5.3 | |
| 9.4 | 37 24.0 | 5.5 | |
| 9.4 | 46.5 | 2.3 | |
| 9.5 | 38 0.4 | 14.8 | |
| 9.3 | 8.4 | 53.6 | αB |
| 9.5 | 47.7 | 8.7 | |
| 9.2 | 39 3.5 | 21.0 | *b* |
| 9.4 | 11.3 | 55.9 | |
| 9.1 | 31.7 | 58.0 | K |
| 9.5 | 33.0 | 50.2 | |
| 9.5 | 43.8 | 47.5 | |
| 9.5 | 40 4.7 | 1.9 | |
| 9.5 | 6.5 | 31.4 | |
| 9.5 | 10.7 | 27.9 | αB |
| 9.5 | 18.3 | 22.3 | |
| 9.4 | 48.5 | 26.5 | |
| 9.5 | 41 37.3 | 54.9 | |
| 9.5 | 56.8 | 51.6 | |
| 8.2 | 42 39.4 | 3.5 | B |
| 9.2 | 43 2.8 | 26.5 | |
| | + | — | |
| 10pr. | 36.91 | 2.06 | |

1737 *a*
9.5 | 28 52.2 | 34.6 | *a*

1781—1840

| | 8ᵘ—9ᵘ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.0 | 43 20.7 | 23.4 | K |
| 9.5 | 38.8 | 3.5 | |
| 9.5 | 44 7.9 | 3.8 | |
| 7.7 | 11.2 | 29.9 | L |
| 9.5 | 20.0 | 39.9 | |
| 9.2 | 44.8 | 49.5 | |
| 9.5 | 45 10.3 | 42.9 | |
| 8.8 | 17.9 | 56.1 | |
| 8.6 | 24.2 | 40.2 | K |
| 9.0 | 28.7 | 20.5 | B |
| 9.3 | 29.0 | 7.5 | |
| 8.2 | 33.7 | 46.4 | K |
| 9.5 | 46 19.1 | 41.5 | |
| 9.4 | 33.0 | 57.7 | |
| 6.5 | 49 9.5 | 47.8 | K*b* |
| 9.5 | 31.3 | 0.3 | |
| 9.4 | 43.6 | 56.1 | |
| 9.5 | 48.7 | 19.8 | |
| 9.4 | 50 49.3 | 45.7 | |
| 9.3 | 51.3 | 57.0 | |
| 9.1 | 51 1.4 | 49.2 | |
| 9.3 | 42.7 | 22.0 | αB |
| 9.5 | 52.3 | 47.8 | |
| 9.3 | 52 4.8 | 21.6 | |
| 8.5 | 5.6 | 40.2 | L |
| 9.5 | 22.7 | 54.3 | |
| 9.5 | 39.8 | 39.2 | |
| 7.3 | 54 21.3 | 40.8 | K |
| 9.4 | 55 35.8 | 11.3 | *a* |
| 9.4 | 55.4 | 59.6 | |
| 9.5 | 56 6.7 | 23.0 | |
| 9.5 | 41.4 | 54.3 | |
| 8.9 | 57.2 | 10.9 | |
| 9.4 | 57 38.3 | 53.6 | |
| 9.5 | 58 27.5 | 56.5 | |
| 8.8 | 52.0 | 10.6 | |
| 6.0 | 59 16.3 | 14.5 | K*b* |
| 8.3 | 28.3 | 48.8 | K |
| 8.2 | 38.1 | 54.3 | K |
| 9.5 | 49.4 | 7.5 | *a* |
| 9.1 | 0 4.3 | 18.1 | |
| 8.2 | 1 23.4 | 7.9 | K*b* |
| 8.9 | 44.0 | 56.1 | |
| 9.2 | 2 4.0 | 41.5 | αB*b* |
| 9.5 | 9.5 | 35.0 | |
| 9.5 | 10.3 | 58.4 | |
| 9.5 | 51.4 | 49.5 | |
| 9.4 | 3 15.0 | 40.4 | |
| 8.3 | 37.8 | 53.7 | K*b* |
| 9.5 | 59.6 | 4.9 | αB |
| 9.5 | 4 41.1 | 41.2 | |
| 9.1 | 51.3 | 35.0 | |
| 9.5 | 5 26.2 | 50.5 | |
| 8.0 | 41.7 | 32.9 | K |
| 9.5 | 6 52.0 | 24.7 | |
| 9.5 | 53.7 | 17.5 | |
| 9.5 | 7 13.3 | 7.5 | |
| 8.9 | 42.7 | 38.0 | |
| 7.7 | 8 18.5 | 58.1 | K |
| 9.4 | 41.4 | 2.2 | |
| | + | — | |
| 10pr. | 36.39 | 2.32 | |

1841—1900

| | 9ᵘ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 8 53.3 | 54.7 | |
| 9.0 | 9 31.1 | 10.3 | |
| 9.5 | 32.7 | 41.9 | |
| 9.5 | 35.8 | 28.8 | |
| 8.3 | 59.1 | 20.9 | B |
| 9.5 | 10 9.3 | 39.5 | |
| 8.3 | 12.0 | 26.8 | *R* |
| 9.5 | 30.7 | 56.0 | |
| 9.4 | 52.1 | 37.4 | |
| 9.3 | 11 15.8 | 10.3 | |
| 9.4 | 49.1 | 20.2 | |
| 9.1 | 12 48.3 | 29.9 | *b* |
| 9.5 | 13 8.1 | 16.8 | |
| 9.5 | 43.3 | 8.5 | |
| 8.7 | 14 20.5 | 48.7 | B |
| 9.5 | 26.9 | 32.5 | |
| 9.4 | 28.8 | 44.7 | |
| 9.4 | 48.9 | 50.0 | |
| 9.5 | 15 28.3 | 40.1 | |
| 9.4 | 28.8 | 48.8 | |
| 9.0 | 58.4 | 45.0 | |
| 8.8 | 16 20.2 | 45.3 | K |
| 9.4 | 25.0 | 24.2 | αB |
| 8.3 | 29.7 | 9.5 | K*b* |
| 9.5 | 17 18.9 | 7.4 | |
| 9.0 | 23.8 | 0.8 | B |
| 9.5 | 35.3 | 5.5 | *a* |
| 8.5 | 18 18.9 | 55.2 | |
| 8.9 | 19 10.8 | 23.3 | *b* |
| 9.4 | 20 7.2 | 0.2 | |
| 9.3 | 21 2.5 | 34.0 | |
| 9.0 | 27.8 | 39.9 | |
| 8.6 | 53.3 | 11.6 | |
| 9.4 | 22 46.4 | 18.5 | B |
| 8.9 | 23 55.6 | 12.7 | K |
| 9.2 | 57.2 | 32.4 | αB*b* |
| 9.0 | 26 22.8 | 51.6 | |
| 9.5 | 24.5 | 5.9 | |
| 8.6 | 27 16.8 | 5.1 | |
| 9.5 | 45.7 | 51.0 | |
| 9.3 | 50.1 | 45.8 | |
| 9.5 | 53.6 | 5.2 | |
| 8.9 | 28 10.0 | 7.8 | |
| 9.3 | 36.4 | 43.8 | |
| 8.6 | 30 9.5 | 30.9 | |
| 8.7 | 15.7 | 56.1 | |
| 7.5 | 18.0 | 48.3 | K |
| 8.7 | 25.5 | 56.3 | K*b* |
| 9.5 | 29.7 | 29.1 | |
| 9.5 | 45.6 | 29.4 | |
| 9.5 | 31 6.1 | 51.5 | |
| 9.5 | 23.2 | 46.3 | |
| 9.0 | 45.0 | 38.9 | |
| 9.5 | 32 7.1 | 51.2 | |
| 9.5 | 33 30.7 | 43.3 | |
| 9.4 | 34.7 | 0.5 | αB |
| 9.2 | 37.2 | 17.8 | |
| 7.2 | 34 16.0 | 46.7 | K |
| 9.5 | 22.7 | 28.4 | |
| 9.5 | 57.0 | 12.6 | αB |
| | + | — | |
| 10pr. | 35.77 | 2.57 | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ʰ | | +30° | | | 9ʰ—10ʰ | +30° | | | 10ʰ | +30° | | | | 10ʰ—11ʰ | +30° | | | | 11ʰ | +30° | | |
| m | ′ | ″ | ′ | ″ | | m | ′ | ″ | ′ | ″ | | m | ′ | ″ | ′ | ″ | | m | ′ | ″ | ′ | ″ | | m | ′ | ″ | ′ | ″ | |
| 5.3 | 35 | 4.0 | 38 | .6 | Kb | 6.8 | 58 | 50.0 | 13 | .6 | K | 6.8 | 20 | 50.7 | 28 | .8 | K | 8.6 | 44 | 43.4 | 17 | .9 | B | 8.1 | 15 | 23.4 | 21 | .4 | Kb |
| 9.2 | | 4.4 | 44 | .6 | B | 8.6 | | 53.0 | 10 | .8 | Kb | 8.5 | 21 | 14.2 | 25 | .6 | Kb | 9.5 | 45 | 12.2 | 11 | .4 | | 9.5 | | 44.5 | 52 | .1 | |
| 9.5 | | 39.8 | 0 | .3 | | 9.0 | 59 | 29.5 | 34 | .6 | | 9.0 | | 17.5 | 30 | .4 | | 8.6 | 46 | 1.1 | 35 | .5 | | 9.5 | | 57.1 | 28 | .2 | |
| 9.5 | | 54.1 | 44 | .3 | | 9.5 | | 54.1 | 4 | .0 | | 8.8 | | 36.4 | 14 | .8 | | 9.5 | | 5.8 | 53 | .0 | | 9.4 | 16 | 2.3 | 16 | .1 | |
| 9.1 | 36 | 52.1 | 14 | .3 | b | 9.4 | | 56.5 | 40 | .5 | | 9.5 | | 46.6 | 50 | .2 | | 7.0 | | 37.7 | 25 | .1 | K | 9.5 | | 6.6 | 7 | .5 | |
| 9.5 | 37 | 16.2 | 26 | .6 | | 9.0 | 0 | 5.6 | 51 | .8 | | 9.2 | 22 | 25.6 | 33 | .5 | | 9.5 | 47 | 58.2 | 4 | .9 | | 9.5 | | 16.5 | 19 | .0 | |
| 9.5 | | 20.1 | 33 | .9 | | 9.5 | | 27.1 | 41 | .2 | | 9.1 | | 48.4 | 38 | .3 | Bb | 9.5 | 49 | 10.9 | 29 | .6 | | 9.4 | | 21.7 | 16 | .1 | |
| 9.5 | | 35.3 | 57 | .4 | | 9.0 | | 33.9 | 58 | .9 | | 9.0 | | 56.0 | 11 | .3 | B | 9.0 | | 21.8 | 21 | .2 | | 9.0 | | 36.3 | 17 | .5 | B |
| 9.2 | 38 | 20.6 | 59 | .0 | | 9.5 | | 41.2 | 24 | .2 | | 9.2 | | 58.2 | 49 | .9 | | 9.5 | | 38.5 | 18 | .7 | aB | 9.0 | | 52.5 | 58 | .0 | |
| 9.4 | | 46.1 | 56 | .2 | | 9.5 | 1 | 15.1 | 34 | .7 | | 9.3 | 23 | 35.3 | 18 | .3 | B | 9.5 | 50 | 8.9 | 29 | .6 | | 8.9 | 17 | 11.2 | 55 | .5 | |
| 8.0 | 39 | 14.1 | 14 | .5 | K | 9.5 | 2 | 12.0 | 23 | .6 | | 7.8 | | 51.2 | 27 | .9 | K | 9.5 | | 9.9 | 0 | .6 | a | 9.4 | | 19.7 | 54 | .4 | |
| 9.5 | | 18.2 | 55 | .7 | | 9.5 | | 44.5 | 53 | .5 | | 8.8 | 24 | 14.9 | 34 | .8 | K | 9.4 | | 41.8 | 18 | .6 | a | 9.4 | | 26.9 | 35 | .7 | aB |
| 9.2 | | 30.6 | 50 | .9 | | 9.3 | | 48.8 | 27 | .0 | | 9.4 | | 26.4 | 28 | .0 | aB | 9.3 | | 46.8 | 32 | .7 | b | 7.4 | | 31.6 | 34 | .1 | L |
| 9.5 | | 33.3 | 35 | .7 | | 7.5 | 3 | 26.5 | 52 | .1 | K | 9.5 | 25 | 4.6 | 21 | .3 | | 9.5 | 51 | 42.5 | 48 | .9 | a | 6.5 | | 55.2 | 47 | .2 | K |
| 9.5 | | 41.2 | 10 | .4 | | 8.2 | | 33.4 | 11 | .2 | B | 9.4 | | 56.5 | 57 | .4 | | 9.2 | 52 | 32.6 | 46 | .0 | Kb | 9.4 | | 56.5 | 28 | .1 | aB |
| 9.5 | 40 | 17.3 | 25 | .7 | | 8.5 | | 43.1 | 29 | .2 | | 9.5 | 26 | 36.5 | 10 | .9 | | 9.1 | 53 | 17.8 | 24 | .1 | | 9.4 | 18 | 2.8 | 3 | .9 | B |
| 8.3 | | 31.1 | 9 | .2 | Kb | 9.5 | 4 | 23.4 | 8 | .5 | | 9.5 | | 56.3 | 40 | .2 | | 6.8 | | 53.9 | 39 | .9 | K | 9.4 | 19 | 25.9 | 53 | .7 | |
| 9.0 | | 36.9 | 31 | .5 | B | 9.5 | 5 | 23.1 | 41 | .3 | b | 9.4 | 27 | 7.8 | 14 | .4 | | 9.5 | | 57.5 | 57 | .7 | | 9.2 | | 51.8 | 14 | .5 | K |
| 9.4 | | 55.6 | 6 | .9 | | 9.4 | 6 | 45.1 | 29 | .1 | | 9.4 | | 9.9 | 55 | .8 | | 8.8 | 54 | 19.3 | 33 | .8 | | 8.8 | | 59.4 | 37 | .8 | |
| 9.5 | 41 | 47.5 | 17 | .0 | | 9.5 | 7 | 56.2 | 17 | .7 | | 9.5 | | 33.4 | 22 | .3 | | 8.8 | 55 | 29.4 | 43 | .0 | | 9.5 | 21 | 11.8 | 9 | .0 | |
| 9.5 | 42 | 38.7 | 48 | .3 | | 6.0 | 8 | 0.6 | 1 | .8 | Kb | 9.3 | 28 | 3.1 | 53 | .2 | | 9.5 | | 35.4 | 25 | .9 | | 9.4 | | 22.7 | 10 | .8 | aB |
| 8.8 | | 49.7 | 50 | .5 | K | 9.5 | | 4.7 | 38 | .5 | | *9.5 | 29 | 51.8 | 42 | .3 | | 9.5 | | 55.3 | 41 | .3 | | 8.7 | 22 | 7.4 | 52 | .5 | K |
| 9.0 | 43 | 18.1 | 46 | .6 | ? | 8.6 | | 43.5 | 24 | .6 | | 8.6 | 30 | 12.5 | 15 | .4 | K | 9.5 | 57 | 17.0 | 55 | .0 | B | 6.8 | | 23.8 | 47 | .1 | K |
| 8.4 | | 22.9 | 59 | .4 | K | 8.5 | | 52.6 | 16 | .4 | K | 9.4 | | 23.2 | 32 | .7 | | 9.5 | | 50.1 | 59 | .0 | | 9.0 | | 27.7 | 46 | .7 | K |
| 9.0 | 44 | 49.8 | 57 | .0 | K | 9.0 | 9 | 9.5 | 12 | .3 | K | 9.4 | | 33.2 | 46 | .5 | | 8.0 | | 57.3 | 48 | .5 | K | 8.4 | | 42.3 | 41 | .3 | Kb |
| 9.5 | | 53.5 | 50 | .8 | B | 8.7 | | 24.8 | 10 | .8 | B | 9.4 | 31 | 19.5 | 21 | .6 | | 9.5 | 59 | 11.7 | 22 | .4 | | 9.5 | 24 | 1.4 | 54 | .1 | |
| 9.1 | | 57.2 | 18 | .6 | aBb | 9.4 | | 36.5 | 3 | .5 | | 9.3 | | 40.6 | 38 | .6 | B | 9.0 | | 30.9 | 18 | .3 | | 9.3 | | 2.1 | 0 | .4 | |
| 9.4 | 45 | 3.2 | 31 | .5 | | 9.5 | 10 | 0.5 | 54 | .9 | | 9.5 | | 51.8 | 35 | .3 | | 9.4 | | 46.1 | 6 | .3 | a | 8.8 | | 47.4 | 40 | .3 | K |
| 9.4 | | 11.9 | 0 | .0 | | 9.3 | | 3.0 | 59 | .9 | B | 8.1 | 32 | 51.9 | 58 | .3 | Kb | 9.0 | 0 | 38.1 | 5 | .1 | | 9.4 | | 54.3 | 20 | .4 | |
| 9.5 | 46 | 24.1 | 5 | .3 | | 8.0 | | 17.5 | 33 | .4 | L | 8.8 | | 52.0 | 23 | .8 | | 8.8 | | 59.3 | 16 | .6 | | 9.4 | 25 | 13.5 | 51 | .8 | |
| 9.5 | | 26.0 | 36 | .0 | | 8.9 | | 25.7 | 5 | .2 | Kb | 9.4 | 33 | 3.2 | 35 | .3 | B | 7.2 | 1 | 10.8 | 50 | .5 | K | 9.0 | 26 | 4.9 | 26 | .9 | |
| 9.4 | 47 | 43.7 | 52 | .8 | | 9.1 | | 56.6 | 41 | .5 | b | 9.5 | | 13.3 | 37 | .8 | B | 9.4 | | 39.9 | 25 | .6 | B | 9.5 | | 29.5 | 17 | .7 | |
| 8.0 | | 44.0 | 27 | .7 | K | 9.2 | 11 | 21.6 | 17 | .8 | aK | 9.5 | | 18.0 | 55 | .7 | B | 9.0 | | 44.9 | 31 | .7 | | 9.5 | | 50.0 | 12 | .1 | |
| 9.3 | | 49.9 | 50 | .8 | aB | 8.5 | | 29.7 | 3 | .7 | | 9.5 | | 41.4 | 56 | .3 | | 9.5 | 2 | 25.4 | 48 | .9 | | 9.1 | 27 | 7.4 | 23 | .5 | |
| 9.5 | 48 | 54.1 | 42 | .5 | | 9.0 | | 46.0 | 34 | .6 | | 8.8 | | 47.3 | 32 | .3 | | 9.1 | | 43.6 | 14 | .6 | b | 8.6 | | 22.0 | 13 | .6 | K |
| 9.0 | 49 | 23.0 | 10 | .6 | B | 9.1 | | 51.2 | 4 | .8 | a | 9.5 | 34 | 2.5 | 43 | .0 | | 9.4 | | 44.1 | 44 | .0 | aB | 9.0 | | 59.9 | 44 | .1 | B |
| 9.4 | | 43.6 | 38 | .0 | | 9.5 | | 56.5 | 23 | .2 | | 8.8 | | 25.2 | 21 | .3 | | 9.2 | 3 | 11.9 | 50 | .3 | | 9.5 | 29 | 1.3 | 11 | .4 | |
| 8.5 | | 52.5 | 37 | .3 | | 8.4 | 12 | 19.6 | 17 | .9 | | 9.3 | | 32.0 | 55 | .4 | | 9.1 | 4 | 15.8 | 55 | .4 | K | 9.4 | | 1.3 | 3 | .6 | |
| 9.1 | 50 | 0.9 | 7 | .9 | aB | 9.5 | | 26.8 | 5 | .2 | B | 9.5 | | 37.4 | 9 | .3 | B | 9.5 | | 18.1 | 17 | .7 | | 9.4 | 30 | 55.4 | 51 | .6 | |
| 8.1 | | 6.1 | 14 | .1 | P | 9.0 | | 29.6 | 24 | .4 | | 7.5 | 35 | 8.7 | 8 | .3 | K | 9.4 | | 49.9 | 36 | .2 | | 8.1 | | 59.8 | 34 | .1 | Kb |
| 9.3 | | 8.1 | 58 | .5 | aB | 8.7 | | 51.3 | 54 | .1 | | 9.5 | 36 | 46.1 | 40 | .6 | | 8.8 | 5 | 1.0 | 20 | .0 | K | 9.5 | 31 | 29.9 | 49 | .4 | |
| 9.1 | | 15.0 | 15 | .0 | | 9.5 | 13 | 47.5 | 34 | .2 | | 8.4 | | 51.7 | 16 | .5 | K | 9.4 | | 26.7 | 4 | .5 | | 9.5 | | 51.4 | 18 | .3 | |
| 8.8 | | 49.6 | 55 | .9 | | 9.5 | 14 | 26.6 | 8 | .3 | | 9.5 | 37 | 29.2 | 29 | 3 | | 8.2 | | 34.9 | 19 | .7 | K | 9.4 | 32 | 30.9 | 17 | .7 | aB |
| 8.8 | | 50.0 | 33 | .5 | | 8.5 | 15 | 15.5 | 34 | .6 | K | 9.3 | | 39.1 | 46 | .5 | | 9.5 | | 55.4 | 41 | .4 | | 8.9 | | 50.4 | 51 | .1 | |
| 8.9 | | 55.7 | 41 | .4 | | 6.5 | | 29.6 | 21 | .4 | K | 9.2 | 38 | 1.8 | 29 | .9 | | 9.5 | 6 | 28.5 | 56 | .8 | | 9.0 | 33 | 7.4 | 51 | .5 | |
| 6.0 | 51 | 15.4 | 20 | .1 | Lb | 9.5 | | 44.2 | 2 | .4 | | 9.5 | | 17.5 | 57 | .6 | | 9.5 | 7 | 20.3 | 28 | .9 | | 9.5 | | 12.5 | 44 | .1 | |
| 8.9 | | 27.2 | 0 | .5 | B | 8.4 | | 49.6 | 56 | .4 | K | 8.3 | 39 | 20.5 | 45 | .0 | K | 9.3 | 8 | 25.5 | 59 | .4 | | 9.5 | | 54.7 | 46 | .0 | |
| 9.4 | | 38.8 | 29 | .5 | | 9.5 | | 52.2 | 0 | .2 | | 9.2 | 40 | 40.1 | 41 | .0 | | 9.4 | | 51.4 | 5 | .1 | aB | 8.9 | 34 | 45.3 | 29 | .3 | |
| 9.2 | 52 | 26.1 | 22 | .2 | | 9.4 | 16 | 13.1 | 37 | .0 | | 9.0 | | 40.2 | 47 | .0 | K | 9.2 | 9 | 16.1 | 7 | .3 | | 7.5 | 36 | 32.4 | 22 | .8 | L |
| 8.9 | | 27.9 | 53 | .5 | | 9.2 | | 40.6 | 55 | .3 | | 9.1 | | 44.9 | 38 | .3 | | 8.9 | | 28.3 | 21 | .7 | B | 9.2 | | 33.8 | 33 | .1 | |
| 9.3 | | 56.5 | 16 | .3 | | 9.5 | 17 | 25.5 | 28 | .0 | | 9.2 | | 51.1 | 2 | .1 | aB | 9.3 | | 31.4 | 57 | .1 | | 7.5 | | 37.4 | 42 | .3 | K |
| 9.2 | 53 | 23.2 | 42 | .9 | | 9.3 | 18 | 5.1 | 50 | .8 | | 6.5 | | 57.2 | 11 | .2 | K | 9.5 | | 45.1 | 20 | .9 | | 9.5 | | 44.8 | 36 | .9 | |
| 9.5 | | 52.5 | 31 | .1 | | 9.5 | | 18.5 | 26 | .7 | | 9.3 | 41 | 2.2 | 5 | .6 | B | 9.4 | 10 | 24.9 | 57 | .2 | | 9.5 | | 53.7 | 49 | .1 | B |
| 9.5 | 54 | 22.9 | 52 | .5 | | 7.5 | | 51.0 | 24 | .8 | K | 8.6 | | 30.8 | 43 | .2 | K | 8.5 | | 53.1 | 2 | .7 | K | 7.5 | 42 | 2.4 | 18 | .3 | K |
| 9.5 | 56 | 36.0 | 46 | .1 | aB | 9.1 | | 56.3 | 55 | .0 | | 8.9 | | 32.9 | 15 | .6 | | 9.5 | 11 | 23.2 | 55 | .0 | | 9.5 | | 15.2 | 38 | .6 | |
| 7.9 | | 45.1 | 27 | .0 | K | 9.5 | 19 | 35.0 | 57 | .6 | | 9.2 | 42 | 19.1 | 11 | .0 | | 9.1 | 12 | 18.6 | 48 | .1 | | 9.4 | 43 | 24.7 | 37 | .9 | |
| 9.5 | 57 | 33.3 | 49 | .1 | | 9.5 | 20 | 23.1 | 44 | .6 | | 8.9 | | 28.2 | 41 | .6 | K | 7.0 | | 24.2 | 54 | .9 | Kb | 9.4 | | 46.6 | 59 | .7 | |
| 9.4 | | 40.4 | 7 | .0 | aB | 9.4 | | 28.4 | 14 | .5 | | 8.9 | 43 | 5.2 | 34 | .4 | | 9.5 | 13 | 49.8 | 27 | .5 | | 9.2 | 44 | 20.3 | 24 | .8 | |
| 8.5 | 58 | 1.8 | 35 | .6 | | 9.4 | | 30.3 | 29 | .1 | | 8.2 | | 34.0 | 0 | .8 | K | 8.2 | 14 | 41.5 | 4 | .0 | L | 9.1 | | 37.7 | 35 | .1 | b |
| 9.5 | | 2.1 | 47 | .0 | | 9.2 | | 36.1 | 50 | .8 | K | 9.5 | | 35.7 | 7 | .0 | | 9.4 | 15 | 2.7 | 47 | .1 | B | 8.8 | 46 | 2.4 | 7 | .6 | |
| 10pr. | | 35.05 | 2.79 | | | 10pr. | | 34.35 | 2.96 | | | 10pr. | | 33.64 | 3.10 | | | 10pr. | | 32.72 | 3.23 | | | 10pr. | | 31.90 | 3.30 | | |

2041ᵃ
9.5 | 29 19.0 | 59.3 | a

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11ˢ—12ˢ | | +30° | | | 12ˢ | | +30° | | | 12ˢ—13ˢ | | +30° | | | 13ˢ | | +30° | | | 13ˢ—14ˢ | | +30° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 46 | 29.0 | 22.1 | | 9.5 | 13 | 23.7 | 20.6 | B | 7.5 | 38 | 21.6 | 34.2 | L | 9.5 | 6 | 43.6 | 58.7 | B | 8.9 | 36 | 44.6 | 15.3 | K |
| 9.5 | 48 | 54.6 | 38.2 | | 9.3 | | 29.3 | 53.7 | αB | 8.2 | | 25.6 | 59.6 | K | 8.6 | | 48.7 | 32.1 | K | 9.3 | 37 | 53.1 | 42.8 | b |
| 9.3 | 49 | 46.5 | 53.5 | | 9.3 | 15 | 44.2 | 21.0 | b | 9.5 | | 50.3 | 7.5 | | 7.7 | | 51.7 | 34.5 | K | 9.5 | 39 | 33.2 | 11.9 | |
| 9.5 | | 48.7 | 51.0 | | 9.5 | | 56.2 | 3.0 | | 8.3 | | 55.8 | 24.0 | L | 8.5 | 7 | 45.7 | 9.4 | L | 9.5 | 40 | 40.5 | 30.1 | |
| 8.7 | | 59.6 | 3.7 | Kb | 9.4 | 16 | 4.9 | 52.7 | αB | 9.4 | 39 | 19.9 | 29.4 | | 9.5 | 8 | 3.0 | 18.1 | B | 9.5 | | 42.1 | 46.0 | |
| 9.5 | 50 | 6.7 | 17.2 | B | 9.5 | | 30.9 | 29.0 | | 9.3 | 40 | 1.5 | 14.8 | K | 9.2 | | 16.7 | 31.2 | Kb | 9.3 | | 42.2 | 39.0 | αB |
| 8.6 | | 45.0 | 37.7 | Kb | 8.7 | 17 | 59.4 | 45.6 | K | 9.5 | | 12.4 | 48.0 | | 9.1 | | 56.1 | 6.9 | Kb | 9.4 | | 49.0 | 53.1 | |
| 9.0 | | 49.8 | 35.4 | | 9.0 | 18 | 48.7 | 56.0 | K | 9.4 | | 27.0 | 31.7 | | 9.5 | 9 | 42.4 | 22.7 | | 9.5 | 41 | 21.5 | 34.3 | |
| 9.5 | 52 | 19.3 | 49.7 | | 8.9 | | 50.1 | 2.1 | | 6.8 | | 45.7 | 19.9 | K | 9.5 | 10 | 56.5 | 26.2 | | 7.8 | | 56.6 | 34.9 | K |
| 9.5 | | 56.7 | 19.3 | | 9.5 | 19 | 12.2 | 57.2 | | 9.4 | 41 | 11.3 | 8.8 | | 9.5 | 12 | 9.8 | 18.2 | b | 9.5 | 42 | 51.0 | 28.4 | |
| 9.5 | 54 | 5.0 | 58.6 | | 9.5 | | 59.0 | 54.5 | B | 9.5 | 42 | 50.5 | 13.7 | | 9.0 | 15 | 43.8 | 41.0 | K | 8.7 | 43 | 28.6 | 0.3 | Kb |
| 7.8 | | 19.3 | 21.4 | K | 9.5 | 20 | 39.7 | 12.1 | | 9.3 | 43 | 0.8 | 24.3 | Kb | 9.5 | 16 | 57.5 | 25.0 | | 9.5 | | 55.3 | 8.0 | |
| 9.5 | | 39.0 | 48.2 | | 8.4 | | 49.8 | 37.2 | L | 9.5 | | 55.1 | 1.8 | | 9.4 | 17 | 24.1 | 39.5 | | 9.4 | | 57.0 | 14.6 | |
| 9.2 | 55 | 51.1 | 21.2 | | 9.3 | | 50.5 | 36.0 | B | 9.5 | 44 | 8.2 | 5.5 | | 9.1 | | 38.8 | 27.3 | αBb | 8.9 | 44 | 41.5 | 29.7 | Kb |
| 9.3 | | 55.0 | 28.5 | αB | 9.4 | 21 | 9.0 | 44.3 | | 9.5 | | 48.3 | 43.8 | | 9.3 | | 56.4 | 13.5 | a | 9.1 | | 46.4 | 17.7 | K |
| 9.4 | 56 | 7.9 | 26.5 | B | 9.4 | | 11.8 | 42.0 | | 9.5 | 45 | 5.8 | 26.3 | | 9.5 | 19 | 0.0 | 0.4 | | 8.5 | 45 | 6.5 | 43.5 | K |
| 7.2 | | 8.3 | 29.0 | Kb | 9.1 | | 14.4 | 40.8 | | 9.2 | | 23.4 | 23.9 | αBb | 9.5 | | 11.1 | 9.0 | | 9.0 | | 35.8 | 54.2 | K |
| 9.5 | | 48.7 | 50.6 | | 9.1 | | 17.0 | 45.0 | B | 9.0 | | 35.6 | 36.9 | K | 9.5 | | 43.0 | 48.2 | | 9.5 | | 43.4 | 55.2 | |
| 9.5 | 58 | 20.0 | 10.4 | | 7.9 | | 19.8 | 23.8 | L | 9.5 | 46 | 13.6 | 18.9 | | 9.5 | 21 | 8.8 | 15.8 | | 9.4 | | 46.0 | 21.5 | |
| 9.5 | | 24.2 | 3.5 | | 8.5 | 22 | 16.6 | 17.6 | K | 9.3 | | 33.5 | 49.8 | | 9.5 | | 32.0 | 48.4 | | 9.5 | 47 | 38.9 | 7.4 | |
| 9.3 | | 47.3 | 12.4 | αB | 8.5 | | 17.1 | 19.3 | L | 9.1 | | 35.6 | 54.5 | K | 9.5 | | 35.0 | 56.1 | | 7.3 | | 53.3 | 37.7 | B |
| 9.4 | | 58.1 | 13.0 | | 9.3 | | 21.6 | 52.8 | | 9.4 | 47 | 10.6 | 17.0 | | 9.5 | 22 | 43.8 | 20.0 | | 8.2 | 48 | 4.3 | 56.1 | K |
| 7.8 | 59 | 18.0 | 17.8 | Kb | 8.9 | | 31.5 | 49.5 | | 9.5 | 49 | 7.1 | 34.7 | | 9.5 | 23 | 7.7 | 54.6 | | 9.4 | | 57.2 | 48.3 | |
| 9.5 | | 47.6 | 32.1 | B | 9.5 | | 46.4 | 11.5 | | 9.4 | | 13.3 | 7.0 | | 9.5 | | 16.2 | 12.0 | αB | 8.8 | 50 | 8.6 | 53.1 | K |
| 9.4 | | 48.5 | 50.6 | B | 9.4 | | 55.4 | 12.2 | | 8.4 | | 14.8 | 24.8 | K | 9.0 | | 19.4 | 30.3 | B | 9.3 | | 12.8 | 47.8 | |
| 9.5 | 0 | 11.0 | 18.6 | | 9.5 | 23 | 50.7 | 49.8 | | 8.7 | | 55.5 | 50.7 | K | 9.5 | | 43.8 | 10.8 | | 8.4 | | 15.0 | 59.4 | K |
| 9.4 | | 21.8 | 49.6 | | 7.3 | 24 | 38.3 | 7.0 | Lb | 9.3 | 51 | 7.8 | 23.8 | | 9.5 | 24 | 4.1 | 8.4 | | 9.4 | | 27.6 | 43.5 | αB |
| 9.5 | 1 | 15.8 | 3.4 | | 9.2 | | 55.3 | 43.5 | | 9.2 | | 27.5 | 14.2 | | 9.2 | | 35.3 | 19.4 | B | 8.8 | | 50.0 | 24.5 | K |
| 9.5 | | 50.8 | 24.1 | | 9.5 | 25 | 38.3 | 9.2 | | 8.7 | | 32.5 | 48.8 | K | 9.5 | | 42.8 | 16.1 | | 9.5 | 51 | 3.5 | 33.8 | |
| 7.6 | | 58.5 | 15.9 | K | 9.5 | | 44.7 | 22.0 | | 9.5 | | 45.2 | 51.3 | | 9.5 | | 55.2 | 15.6 | | 9.4 | | 39.5 | 25.2 | |
| 8.8 | 2 | 59.6 | 35.9 | L | 8.2 | 26 | 18.5 | 50.7 | Kb | 8.4 | 52 | 29.2 | 50.4 | K | 8.6 | 25 | 1.3 | 33.1 | K | 9.5 | | 55.0 | 41.0 | |
| 9.5 | 3 | 21.4 | 47.7 | | 9.4 | | 19.6 | 34.6 | | 9.5 | 53 | 40.8 | 0.3 | | 9.5 | | 13.2 | 1.4 | | 9.2 | 52 | 30.0 | 26.6 | K |
| 9.3 | | 26.9 | 24.1 | B | 9.4 | 27 | 3.8 | 43.7 | | 9.0 | 54 | 27.3 | 24.8 | Kb | 9.1 | | 29.3 | 56.8 | K | 9.5 | 53 | 6.4 | 15.9 | |
| 9.4 | 4 | 5.4 | 30.4 | B | 9.3 | | 12.0 | 51.3 | B | 9.4 | | 36.9 | 51.0 | B | 9.4 | | 58.2 | 33.1 | | 9.4 | | 29.0 | 17.2 | B |
| 9.5 | | 7.2 | 38.3 | | 9.3 | | 15.1 | 34.7 | | 9.3 | | 55.2 | 22.0 | K | 9.0 | 26 | 15.3 | 48.2 | K | 8.4 | 55 | 14.8 | 47.6 | K |
| 9.5 | | 21.5 | 33.8 | B | 8.0 | | 50.8 | 59.6 | K | 9.5 | 55 | 2.5 | 50.3 | | 8.8 | | 33.7 | 33.8 | | 9.5 | 56 | 40.1 | 17.8 | B |
| 9.5 | | 59.0 | 55.3 | | 9.5 | 28 | 19.7 | 38.6 | | 9.3 | | 16.7 | 48.6 | | 9.4 | | 40.2 | 57.4 | | 9.3 | 58 | 19.9 | 8.1 | |
| 8.7 | 5 | 20.5 | 48.6 | | 8.8 | | 36.8 | 59.6 | | 9.5 | | 29.5 | 29.7 | | 9.5 | | 48.0 | 8.0 | | 9.5 | | 37.3 | 5.4 | |
| 9.4 | | 38.2 | 37.5 | | 8.3 | | 48.3 | 43.8 | K | 9.5 | 56 | 53.2 | 55.4 | | 8.9 | | 50.8 | 52.9 | Kb | 9.0 | 59 | 3.0 | 14.6 | K |
| 9.5 | | 57.5 | 56.5 | | 8.2 | | 55.5 | 15.1 | Kb | 8.8 | 57 | 15.4 | 59.8 | K | 8.2 | | 51.9 | 28.9 | B | 9.5 | | 6.5 | 23.1 | |
| 8.9 | | 59.2 | 4.0 | | 9.5 | 29 | 13.3 | 44.0 | | 9.5 | | 37.3 | 52.7 | | 8.5 | 28 | 20.1 | 53.2 | K | 9.5 | | 22.1 | 19.1 | |
| 9.4 | 6 | 9.5 | 54.4 | B | 8.5 | | 38.4 | 29.4 | K | 9.5 | 58 | 5.8 | 56.5 | | 9.1 | 29 | 14.8 | 21.4 | K | 9.5 | | 53.0 | 36.6 | |
| 9.5 | | 40.1 | 34.9 | | 9.4 | | 39.3 | 7.7 | | 9.5 | | 13.5 | 0.9 | | 9.5 | | 21.5 | 7.1 | | 8.6 | 0 | 10.1 | 58.1 | |
| 9.4 | 7 | 26.5 | 50.2 | | 9.5 | 30 | 0.7 | 22.3 | | 9.5 | | 23.3 | 56.8 | | 8.1 | | 35.1 | 30.9 | B | 9.0 | 1 | 0.2 | 7.2 | |
| 8.0 | | 41.7 | 56.9 | K | 9.4 | | 15.5 | 58.6 | | 9.4 | 59 | 23.4 | 12.0 | αB | 9.3 | 30 | 13.7 | 30.8 | | 8.9 | | 20.0 | 41.7 | |
| 9.5 | | 50.2 | 4.3 | | 9.5 | | 23.3 | 42.1 | | 9.4 | | 47.0 | 34.1 | | 9.5 | | 21.7 | 38.8 | | 8.8 | | 59.5 | 32.9 | |
| 9.5 | 8 | 12.0 | 35.4 | | 9.5 | | 32.4 | 11.9 | | 9.0 | 0 | 44.8 | 12.5 | | 9.2 | | 22.3 | 26.8 | K | 9.5 | 2 | 24.5 | 42.0 | |
| 9.5 | | 30.4 | 47.7 | | 9.4 | 31 | 10.4 | 28.3 | αB | 9.0 | | 48.7 | 13.5 | | 8.4 | | 35.2 | 49.6 | K | 8.8 | 4 | 54.6 | 54.8 | |
| 9.4 | 9 | 15.0 | 30.7 | | 9.3 | | 28.1 | 7.2 | B | 9.5 | 1 | 27.3 | 15.7 | B | 9.5 | | 58.4 | 46.2 | | 9.1 | | 56.1 | 15.9 | ab |
| 9.1 | | 26.8 | 23.8 | b | 8.0 | 32 | 4.7 | 2.9 | L | 9.5 | | 41.5 | 6.7 | | 9.0 | 31 | 35.8 | 13.8 | | 9.4 | 5 | 5.0 | 46.9 | |
| 8.9 | | 27.6 | 52.5 | K | 9.1 | 33 | 6.3 | 23.9 | b | 8.1 | | 42.2 | 9.4 | K | 9.0 | | 42.7 | 6.0 | | 9.3 | | 12.9 | 4.0 | |
| 9.4 | | 44.8 | 25.6 | | 9.5 | | 24.9 | 20.9 | | 8.3 | 3 | 26.1 | 13.1 | K | 8.7 | 32 | 33.2 | 45.9 | Kb | 9.5 | | 47.8 | 9.5 | |
| 9.3 | 11 | 7.4 | 45.5 | | 9.1 | 34 | 37.8 | 26.3 | Kb | 9.4 | | 29.8 | 56.3 | | 9.3 | | 52.0 | 54.5 | | 8.0 | 6 | 32.7 | 48.3 | K |
| 9.3 | | 53.5 | 0.3 | b | 9.2 | | 43.0 | 31.0 | K | 9.5 | 4 | 7.7 | 56.0 | | 8.5 | 33 | 20.3 | 47.2 | K | 7.3 | 7 | 39.6 | 53.8 | K |
| 8.5 | 12 | 14.7 | 58.6 | K | 9.0 | 35 | 5.0 | 32.2 | K | 9.2 | | 21.3 | 34.9 | K | 9.3 | | 48.2 | 54.5 | αB | 9.5 | 8 | 11.1 | 10.5 | |
| 9.5 | | 17.2 | 37.6 | | 9.1 | | 45.6 | 54.4 | K | 9.5 | | 59.2 | 16.5 | | 9.1 | 34 | 54.0 | 23.2 | Kb | 9.5 | | 13.0 | 31.9 | |
| 9.5 | | 23.5 | 49.2 | | 9.3 | 36 | 58.6 | 53.9 | | 9.3 | 5 | 13.4 | 48.9 | | 9.4 | 35 | 39.0 | 26.3 | | 9.0 | | 18.8 | 27.0 | |
| 9.5 | | 48.7 | 5.2 | | 9.1 | 37 | 3.7 | 56.9 | K | 8.2 | | 22.8 | 45.5 | K | 9.4 | | 51.9 | 52.9 | αB | 8.9 | | 55.6 | 50.5 | Kb |
| 9.5 | 13 | 7.3 | 48.7 | | 9.5 | | 59.0 | 49.7 | | 9.5 | | 49.1 | 57.2 | | 8.6 | 36 | 25.0 | 24.7 | K | 9.3 | 9 | 27.8 | 48.0 | |
| 9.3 | | 18.6 | 57.7 | | 9.4 | 38 | 3.6 | 8.7 | B | 9.5 | 6 | 33.6 | 59.4 | | 9.4 | | 42.5 | 48.5 | | 9.5 | 10 | 8.0 | 1.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 30.63 | 3.34 | | 10pr. | | 29.83 | 3.32 | | 10pr. | | 28.94 | 3.25 | | 10pr. | | 27.87 | 3.12 | | 10pr. | | 27.03 | 2.95 | |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14ᵐ | | +30° | | | 14ᵐ—15ᵐ | | +30° | | | 15ᵐ | | +30° | | | 15ᵐ | | +30° | | | 15ᵐ—16ᵐ | | +30° | |
| m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | m | ° | ′ | ″ | ′ | |
| 9.5 | 10 | 39.7 | | 37.4 | 9.4 | 37 | 17.2 | | 31.1 | 9.1 | 5 | 18.4 | | 30.5 | 9.0 | 30 | 52.6 | | 30.6 | B | 9.5 | 56 | 25.8 | | 8.1 | |
| 9.5 | 11 | 8.4 | | 8.0 | 9.5 | 38 | 0.3 | | 38.1 | 9.2 | | 30.5 | | 50.5 | 6.5 | 31 | 0.4 | | 28.0 | K | 8.5 | | 59.7 | | 34.6 | K |
| 9.5 | | 56.0 | | 53.1 | 9.4 | | 3.3 | | 56.1 | 9.2 | | 44.5 | | 58.0 | 9.3 | | 38.7 | | 41.0 | | 9.3 | 57 | 33.0 | | 19.0 | αB |
| 9.5 | 12 | 3.3 | | 6.7 | 8.9 | | 9.0 | | 12.5 | 9.5 | 6 | 14.0 | | 10.0 | α | 8.1 | 32 | 2.3 | | 35.1 | Kb | 9.5 | | 42.5 | | 21.3 | αB |
| 8.9 | | 37.0 | | 30.2 | K | 7.3 | | 45.5 | | 53.7 | K | 9.5 | | 20.6 | | 56.1 | | 9.3 | | 12.7 | | 15.6 | αB | 9.5 | 58 | 37.7 | | 13.6 | |
| 9.1 | | 40.7 | | 51.9 | Bb | 9.5 | 39 | 17.0 | | 53.9 | | 9.0 | | 48.0 | | 19.4 | | 9.5 | | 34.5 | | 20.6 | | 9.5 | | 57.8 | | 19.5 | |
| 8.8 | | 57.0 | | 19.1 | | 9.5 | | 31.3 | | 24.3 | | 9.5 | 7 | 45.1 | | 6.7 | αB | 9.4 | 33 | 19.6 | | 40.5 | αB | 9.5 | 59 | 36.8 | | 35.2 | |
| 9.5 | 13 | 26.7 | | 55.7 | B | 8.8 | 40 | 2.2 | | 7.8 | Kb | 8.6 | | 47.5 | | 31.1 | K | 9.1 | | 19.8 | | 5.4 | αb | 9.5 | | 37.5 | | 47.6 | |
| 9.0 | 14 | 8.1 | | 20.2 | | 9.1 | | 4.7 | | 57.7 | αB | 9.0 | 8 | 58.4 | | 27.6 | | 8.4 | | 34.7 | | 40.7 | K | 7.5 | 0 | 40.2 | | 17.7 | K |
| 9.4 | | 40.9 | | 53.7 | | 9.5 | 41 | 56.0 | | 59.7 | | 8.9 | 9 | 4.4 | | 31.9 | | 9.4 | | 34.7 | | 45.5 | | 9.5 | | 51.8 | | 20.9 | |
| 9.5 | 15 | 26.2 | | 7.6 | | 9.5 | 42 | 52.0 | | 3.2 | B | 9.2 | | 24.6 | | 54.0 | K | 9.0 | 34 | 28.1 | | 46.2 | | 9.0 | 1 | 9.2 | | 50.8 | K |
| 8.3 | | 44.3 | | 19.1 | Lb | 9.0 | 43 | 13.9 | | 31.2 | | 9.3 | | 48.9 | | 11.6 | B | 7.5 | | 53.3 | | 24.0 | K | 9.1 | | 10.3 | | 42.6 | R |
| 6.5 | | 52.6 | | 2.6 | L | 9.5 | | 53.8 | | 14.0 | | 9.3 | 10 | 14.0 | | 48.7 | | 9.5 | | 54.4 | | 5.7 | | 9.3 | | 11.0 | | 5.3 | |
| 8.1 | 17 | 38.3 | | 38.7 | K | 9.0 | 44 | 34.0 | | 47.0 | | 9.1 | | 30.4 | | 50.1 | K | 8.8 | 35 | 17.7 | | 19.4 | K | 9.4 | | 47.2 | | 50.1 | |
| 9.5 | 18 | 1.2 | | 3.3 | | 9.0 | | 50.5 | | 56.2 | Kb | 9.1 | 11 | 26.0 | | 51.9 | K | 8.1 | 36 | 23.1 | | 6.0 | Kb | 9.0 | | 51.7 | | 13.6 | Rb |
| 9.2 | | 15.3 | | 23.6 | | 8.9 | 45 | 28.0 | | 12.1 | L | 9.1 | | 28.0 | | 53.2 | K | 8.8 | | 23.5 | | 56.2 | B | 9.5 | 2 | 31.8 | | 48.7 | |
| 8.6 | | 16.2 | | 28.8 | L | 8.9 | | 41.4 | | 6.1 | L | 9.2 | | 30.2 | | 8.2 | aB | 8.7 | | 24.8 | | 59.3 | B | 8.9 | | 44.0 | | 54.4 | |
| 9.5 | | 31.0 | | 53.6 | | 9.5 | | 54.5 | | 42.1 | | 9.2 | | 32.6 | | 42.9 | aB | 9.5 | | 45.0 | | 5.3 | | 8.0 | | 56.2 | | 46.8 | K |
| 9.3 | 19 | 15.7 | | 29.5 | | 9.5 | 46 | 24.6 | | 1.1 | | 9.5 | | 45.6 | | 12.0 | α | 8.0 | 37 | 33.7 | | 9.0 | K | 8.8 | 3 | 41.7 | | 14.3 | K |
| 9.5 | | 41.1 | | 5.9 | | 9.3 | 47 | 11.2 | | 5.2 | | 9.5 | | 47.8 | | 5.4 | | 9.5 | 38 | 53.8 | | 17.2 | | 8.6 | | 53.3 | | 14.0 | K |
| 9.5 | 20 | 3.4 | | 2.8 | | 9.3 | | 41.4 | | 11.7 | aB | 9.4 | | 55.7 | | 18.0 | | 9.1 | | 59.1 | | 36.6 | aBb | 9.1 | 4 | 11.5 | | 34.1 | b |
| 9.1 | | 28.0 | | 28.1 | b | 6.8 | 48 | 28.5 | | 39.3 | K | 8.0 | 12 | 51.1 | | 26.8 | B | 9.4 | 39 | 7.7 | | 51.2 | | 9.0 | | 33.7 | | 5.2 | Kb |
| 8.9 | | 41.2 | | 49.2 | K | 9.0 | 49 | 13.5 | | 35.6 | L | 8.5 | 13 | 35.3 | | 4.3 | L | 9.3 | | 11.6 | | 3.1 | α | 8.7 | | 49.4 | | 7.7 | K |
| 9.4 | 21 | 16.0 | | 18.1 | | 9.5 | | 33.6 | | 10.8 | | 9.5 | | 39.2 | | 10.7 | α | 9.5 | 40 | 17.9 | | 59.0 | | 9.0 | | 54.4 | | 12.5 | K |
| 9.5 | | 57.3 | | 30.4 | | 9.4 | | 37.3 | | 17.7 | | 9.1 | | 47.4 | | 44.1 | K | 9.2 | | 21.1 | | 36.1 | | 9.3 | 5 | 6.9 | | 55.0 | |
| 9.0 | 22 | 12.3 | | 34.3 | | 8.3 | | 59.5 | | 28.0 | K | 9.4 | 14 | 2.1 | | 25.6 | aB | 9.1 | | 27.4 | | 13.7 | αb | 9.4 | | 23.4 | | 8.7 | α |
| 9.2 | | 49.4 | | 11.8 | K | 8.3 | 50 | 5.6 | | 3.2 | Sb | 6.0 | | 11.3 | | 7.6 | Kb | 9.0 | 41 | 49.1 | | 16.7 | B | 9.5 | | 46.3 | | 14.3 | |
| 9.5 | 23 | 25.2 | | 31.0 | aB | 9.3 | | 7.3 | | 20.8 | | 8.4 | | 20.0 | | 15.9 | K | 9.4 | | 54.2 | | 27.5 | | 9.5 | 6 | 13.2 | | 26.4 | |
| 9.5 | | 29.5 | | 29.0 | | 8.7 | | 17.5 | | 26.0 | K | 9.5 | | 34.7 | | 52.7 | | 8.9 | 42 | 15.7 | | 27.6 | B | 9.5 | | 17.1 | | 56.0 | |
| 9.1 | 24 | 43.3 | | 16.3 | K | 9.4 | | 29.2 | | 6.6 | α | 9.5 | | 35.7 | | 37.7 | aB | 8.6 | | 35.8 | | 20.6 | Kb | 9.5 | | 56.3 | | 53.1 | |
| 9.5 | 25 | 36.0 | | 42.2 | | 8.0 | 51 | 42.5 | | 3.2 | K | 9.5 | | 57.1 | | 27.5 | | 9.4 | | 45.5 | | 48.5 | | 9.3 | 7 | 17.2 | | 25.7 | |
| 9.5 | | 44.9 | | 48.3 | | 8.8 | | 43.6 | | 28.0 | | 9.5 | 16 | 53.0 | | 20.6 | aB | 9.5 | 43 | 12.0 | | 5.5 | | 9.5 | | 40.8 | | 18.1 | |
| 8.2 | 26 | 3.1 | | 52.7 | K | 8.7 | | 47.0 | | 52.2 | Kb | 5.2 | 17 | 12.3 | | 48.6 | Kb | 9.5 | | 25.2 | | 29.9 | | 8.7 | | 43.3 | | 48.4 | |
| 8.8 | 27 | 40.9 | | 27.6 | | 8.6 | 52 | 46.5 | | 42.7 | K | 9.5 | 18 | 40.0 | | 55.9 | | 9.3 | 44 | 7.8 | | 33.6 | | 8.7 | 8 | 6.2 | | 25.5 | L |
| 8.6 | | 58.0 | | 0.2 | Kb | 9.4 | 53 | 9.3 | | 3.6 | | 9.5 | 19 | 0.5 | | 13.4 | | 9.3 | 45 | 15.8 | | 33.2 | | 9.2 | | 30.1 | | 36.4 | aB |
| 5.0 | 28 | 22.7 | | 22.8 | Kb | 7.9 | | 25.0 | | 26.7 | K | 8.9 | | 2.4 | | 33.8 | Kb | 9.0 | | 28.7 | | 42.5 | | 9.3 | 9 | 1.5 | | 49.2 | Kb |
| 9.5 | | 39.6 | | 59.3 | | 9.5 | 54 | 2.9 | | 54.0 | | 9.5 | 20 | 12.5 | | 13.3 | | 9.4 | | 57.3 | | 35.6 | | 9.5 | | 16.5 | | 2.5 | |
| 9.5 | 30 | 5.2 | | 51.0 | | 9.5 | | 38.6 | | 55.1 | | 9.5 | | 18.5 | | 43.0 | | 7.3 | 46 | 11.3 | | 19.1 | B | 9.5 | | 29.9 | | 11.0 | |
| 9.5 | 31 | 12.6 | | 51.8 | | 9.5 | | 56.6 | | 8.1 | | 9.5 | | 34.3 | | 43.4 | | 9.5 | | 29.0 | | 29.9 | aB | 9.5 | | 44.6 | | 54.5 | aB |
| 9.5 | 32 | 16.3 | | 6.7 | B | 9.1 | 55 | 4.5 | | 48.3 | | 9.5 | 22 | 7.5 | | 22.0 | | 9.5 | 47 | 40.7 | | 40.6 | | 9.1 | | 53.0 | | 34.0 | aB |
| 7.7 | | 27.7 | | 39.4 | K | 8.9 | | 14.9 | | 4.9 | K | 8.6 | | 8.4 | | 35.1 | K | 9.5 | | 41.0 | | 22.0 | | 9.2 | 10 | 14.5 | | 54.0 | b |
| 9.1 | | 42.0 | | 32.2 | | 9.0 | | 53.8 | | 58.3 | K | 8.5 | | 13.4 | | 29.3 | K | 9.5 | 48 | 8.8 | | 49.8 | | 9.5 | | 23.3 | | 23.2 | |
| 9.3 | | 51.1 | | 54.2 | | 9.1 | 56 | 12.5 | | 51.4 | B | 9.3 | 23 | 7.5 | | 39.7 | | 9.4 | | 43.1 | | 8.5 | | 9.5 | | 49.8 | | 59.9 | |
| 9.5 | 33 | 13.6 | | 40.5 | | 9.2 | | 17.3 | | 45.9 | | 9.4 | | 29.8 | | 39.5 | aB | 9.5 | 49 | 10.3 | | 16.1 | | 9.1 | 11 | 1.1 | | 8.3 | α |
| 9.3 | | 15.4 | | 24.3 | | 9.5 | | 56.1 | | 39.7 | | 9.5 | | 32.4 | | 28.9 | | 9.5 | | 10.3 | | 56.3 | b | 9.2 | | 12.1 | | 38.7 | |
| 9.3 | | 39.7 | | 42.2 | Kb | 9.2 | 57 | 54.3 | | 2.6 | | 9.5 | 24 | 2.2 | | 0.2 | aB | 9.2 | 51 | 31.7 | | 11.0 | | 9.4 | | 39.2 | | 38.1 | aB |
| 9.3 | 34 | 9.9 | | 33.7 | aB | 9.2 | | 56.3 | | 11.9 | B | 9.2 | | 20.0 | | 56.6 | | 9.0 | | 32.5 | | 28.9 | | 9.5 | | 41.3 | | 48.7 | α |
| 9.2 | | 11.0 | | 27.7 | | 8.9 | 58 | 3.5 | | 33.1 | | 9.5 | | 42.0 | | 21.5 | B | 9.5 | | 38.3 | | 46.4 | | 9.5 | | 45.2 | | 28.1 | |
| 8.6 | | 48.3 | | 1.9 | Lb | 9.0 | 59 | 6.0 | | 48.7 | | 9.5 | | 59.2 | | 7.2 | | 9.4 | 52 | 47.7 | | 10.8 | | 9.5 | 12 | 48.1 | | 0.3 | |
| 9.5 | | 58.7 | | 53.9 | | 9.5 | | 53.1 | | 57.6 | | 8.6 | 25 | 13.4 | | 29.3 | K | 7.5 | | 59.0 | | 25.1 | L | 9.5 | 13 | 11.5 | | 14.6 | |
| 9.5 | 35 | 7.5 | | 12.5 | | 8.3 | 0 | 47.5 | | 35.5 | | 9.5 | | 13.9 | | 41.5 | B | 9.0 | | 59.7 | | 12.3 | B | 8.9 | | 11.8 | | 4.7 | |
| 9.5 | | 59.0 | | 27.7 | | 9.0 | | 48.6 | | 59.7 | | 9.0 | | 23.3 | | 24.0 | K | 9.1 | 53 | 26.7 | | 43.9 | aB | 8.5 | | 55.1 | | 34.6 | K |
| 9.5 | 36 | 3.1 | | 16.5 | | 9.4 | 2 | 20.7 | | 3.8 | α | 8.4 | 26 | 55.0 | | 59.3 | K | 8.5 | | 31.2 | | 47.7 | R | 8.0 | 14 | 43.9 | | 51.5 | Kb |
| 9.5 | | 19.6 | | 32.2 | | 9.5 | | 29.1 | | 49.7 | | 9.5 | 27 | 0.0 | | 32.8 | | 9.4 | | 48.3 | | 8.5 | | 9.3 | | 58.3 | | 36.3 | |
| 9.3 | | 24.8 | | 22.8 | aB | 9.3 | 3 | 2.5 | | 32.3 | aB | 8.0 | | 2.6 | | 47.2 | K | 8.3 | 54 | 22.4 | | 2.8 | Kb | 9.5 | 15 | 4.2 | | 59.0 | |
| 9.4 | | 56.6 | | 37.6 | | 8.3 | | 6.9 | | 52.9 | K | 9.3 | 28 | 13.4 | | 7.6 | α | 8.5 | | 25.7 | | 31.4 | B | 8.8 | | 53.8 | | 42.5 | |
| 8.6 | 37 | 0.5 | | 19.2 | | 9.0 | | 55.6 | | 32.8 | | 8.8 | 29 | 21.4 | | 28.5 | | 9.3 | | 29.0 | | 36.4 | | 9.5 | 16 | 17.4 | | 2.5 | |
| 9.2 | | 6.2 | | 34.6 | aB | 8.7 | 4 | 20.6 | | 18.3 | K | 9.2 | | 27.2 | | 13.9 | α | 5.0 | 55 | 38.2 | | 15.1 | Kb | 9.4 | | 54.0 | | 7.2 | |
| 9.4 | | 13.2 | | 26.8 | | 8.8 | 5 | 15.7 | | 31.8 | B | 9.5 | 30 | 7.1 | | 7.0 | α | 9.4 | | 46.5 | | 27.2 | B | 9.3 | | 59.2 | | 11.4 | α |
| 8.9 | | 15.6 | | 43.1 | K | 8.8 | | 17.9 | | 5.5 | L | 9.2 | | 9.4 | | 36.2 | | 9.2 | | 56.2 | | 27.2 | aB | 9.5 | 17 | 1.2 | | 28.2 | |
| | | + | | — | | | | + | | — | | | | + | | — | | | | + | | — | | | | + | | — | |
| 10pr. | | 26.06 | | 2.69 | 10pr. | | 25.37 | | 2.45 | 10pr. | | 24.80 | | 2.21 | 10pr. | | 24.22 | | 1.89 | 10pr. | | 23.78 | | 1.58 | |

2801—2860

| m | 16ᵃ | +30° | |
|---|---|---|---|
| 8.5 | 17′ 6.6″ | 10.4′ | B |
| 9.4 | 17.4 | 4.8 | B |
| 9.0 | 17.6 | 37.2 | B |
| 9.5 | 31.9 | 11.5 | B |
| 9.3 | 44.2 | 22.2 | |
| 9.2 | 18 17.8 | 56.7 | K |
| 9.5 | 29.2 | 38.8 | |
| 9.3 | 43.8 | 19.9 | |
| 9.5 | 59.4 | 56.4 | |
| 9.2 | 19 23.6 | 22.7 | |
| 8.8 | 20 8.5 | 35.8 | K |
| 9.5 | 17.0 | 52.5 | |
| 9.2 | 20.4 | 13.9 | |
| 9.5 | 45.7 | 48.3 | |
| 9.4 | 21 7.8 | 5.3 | |
| 8.6 | 22 50.4 | 56.5 | K |
| 9.1 | 55.8 | 3.0 | *a* |
| 9.3 | 23 27.2 | 26.0 | |
| 9.3 | 24 7.3 | 28.1 | |
| 9.2 | 41.8 | 24.9 | |
| 8.4 | 50.1 | 54.1 | K |
| 9.3 | 25 3.8 | 35.8 | |
| 9.1 | 5.6 | 19.7 | |
| 9.5 | 18.0 | 29.3 | |
| 9.5 | 18.6 | 6.2 | |
| 9.5 | 36.8 | 54.7 | |
| 8.9 | 26 17.3 | 35.7 | K |
| 9.1 | 39.9 | 5.8 | *a* |
| 7.9 | 41.3 | 25.7 | K |
| 9.5 | 44.3 | 51.3 | B |
| 8.2 | 49.0 | 31.4 | K |
| 8.6 | 27 7.1 | 45.5 | K |
| 9.5 | 48.5 | 18.9 | |
| 6.9 | 50.9 | 48.7 | K |
| 8.2 | 28 5.5 | 22.9 | K |
| 9.0 | 6.5 | 14.2 | B |
| 9.5 | 24.0 | 12.9 | |
| 9.4 | 36.2 | 34.2 | B |
| 9.4 | 49.3 | 24.0 | |
| 9.4 | 59.4 | 25.0 | K |
| 8.6 | 29 52.8 | 54.5 | K |
| 9.0 | 30 9.1 | 31.6 | K |
| 8.4 | 11.3 | 2.3 | K*b* |
| 9.2 | 18.6 | 31.4 | K |
| 9.5 | 31.3 | 53.4 | |
| 9.4 | 34.6 | 59.9 | |
| 9.4 | 43.2 | 28.0 | B |
| 9.5 | 48.6 | 21.6 | B |
| 9.5 | 31 1.5 | 35.5 | B |
| 9.4 | 30.2 | 45.3 | B |
| 9.0 | 32 8.8 | 18.4 | L |
| 9.5 | 10.7 | 51.9 | |
| 8.6 | 22.0 | 54.1 | K |
| 9.5 | 45.3 | 55.8 | |
| 9.3 | 33 24.8 | 54.0 | K |
| 9.5 | 31.2 | 57.6 | |
| 9.2 | 34 28.0 | 55.2 | |
| 8.1 | 47.9 | 8.2 | K |
| 8.3 | 35 36.1 | 25.4 | K |
| 9.4 | 39.3 | 22.8 | |
| | + | — | |
| 10pr. | 23.48 | 1.32 | |

2861—2920

| m | 16ᵃ | +30° | |
|---|---|---|---|
| 7.5 | 35′ 44.2″ | 32.8′ | K |
| 8.5 | 36 9.3 | 42.1 | L |
| 9.4 | 21.3 | 35.3 | |
| 9.5 | 37 3.7 | 25.4 | B |
| 9.5 | 21.2 | 36.1 | |
| 9.4 | 38 17.3 | 10.9 | |
| 9.4 | 24.5 | 1.6 | *a* |
| 9.5 | 43.8 | 30.7 | |
| 9.5 | 39 1.8 | 56.9 | |
| 9.5 | 42.2 | 12.1 | B |
| 8.5 | 40 5.3 | 16.0 | K |
| 9.0 | 7.8 | 14.5 | K |
| 9.5 | 47.4 | 34.6 | |
| 9.4 | 57.2 | 12.2 | B |
| 8.8 | 41 35.3 | 19.4 | K |
| 9.5 | 41.8 | 36.7 | |
| 9.5 | 42.2 | 39.0 | |
| 9.5 | 42 42.8 | 53.0 | |
| 9.5 | 43.8 | 7.1 | |
| 6.9 | 43 37.5 | 12.7 | K*b* |
| 9.4 | 44 4.2 | 1.8 | |
| 9.5 | 38.3 | 14.9 | |
| 9.3 | 50.4 | 53.6 | K |
| 6.1 | 59.5 | 4.1 | L*b* |
| 8.8 | 45 6.4 | 39.2 | B |
| 9.3 | 27.8 | 24.1 | |
| 8.8 | 43.0 | 22.8 | B |
| 9.3 | 44.5 | 16.1 | |
| 9.3 | 46.8 | 31.4 | |
| 9.5 | 46 6.4 | 3.6 | |
| 9.4 | 29.8 | 20.5 | |
| 9.5 | 47.3 | 54.2 | |
| 9.5 | 57.3 | 18.3 | |
| 9.5 | 58.6 | 8.7 | |
| 9.4 | 47 2.2 | 39.1 | |
| 9.5 | 15.8 | 28.7 | |
| 9.5 | 19.2 | 58.0 | |
| 9.4 | 28.7 | 56.2 | |
| 9.5 | 48 33.5 | 5.6 | |
| 8.1 | 43.5 | 40.8 | B |
| 9.3 | 49 12.6 | 38.3 | K |
| 8.0 | 24.1 | 55.7 | K |
| 9.5 | 50 27.8 | 48.6 | |
| 9.5 | 48.2 | 8.7 | |
| 9.5 | 48.8 | 3.1 | |
| 9.5 | 51 57.8 | 22.3 | |
| 9.5 | 57.8 | 29.7 | |
| 9.1 | 52 16.3 | 31.5 | K |
| 9.5 | 32.9 | 17.5 | |
| 9.4 | 44.0 | 57.0 | |
| 8.5 | 56.6 | 48.5 | K |
| 9.5 | 53 4.3 | 53.0 | |
| 9.2 | 11.0 | 20.3 | K*b* |
| 9.5 | 21.2 | 10.9 | |
| 9.3 | 45.8 | 59.9 | |
| 9.5 | 55 41.6 | 8.6 | |
| 9.5 | 43.0 | 14.7 | |
| 9.5 | 54.5 | 21.1 | |
| 9.4 | 58.4 | 15.3 | |
| 9.3 | 56 13.7 | 25.7 | |
| | + | — | |
| 10pr. | 23.25 | 1.06 | |

2921—2980

| m | 16ᵃ—17ᵃ | +30° | |
|---|---|---|---|
| 9.2 | 56′ 15.6″ | 4.0′ | *a* |
| 9.2 | 17.9 | 46.8 | *b* |
| 9.4 | 44.9 | 12.4 | *a* |
| 9.5 | 55.5 | 11.5 | |
| 8.4 | 57 6.3 | 2.0 | K*b* |
| 9.2 | 11.9 | 12.8 | K |
| 9.5 | 50.0 | 35.7 | |
| 9.5 | 0 50.9 | 51.7 | |
| 8.5 | 1 1.9 | 37.3 | K*b* |
| 8.9 | 2 2.0 | 20.1 | |
| 8.6 | 18.5 | 44.8 | L |
| 8.3 | 41.0 | 21.9 | B |
| 9.5 | 55.6 | 38.2 | |
| 9.5 | 3 21.4 | 22.4 | |
| 9.5 | 50.4 | 7.5 | B |
| 8.4 | 58.7 | 53.6 | L |
| 9.3 | 4 3.6 | 34.6 | B |
| 9.0 | 7.3 | 31.3 | K |
| 8.0 | 7.5 | 31.7 | K |
| 9.2 | 14.0 | 46.7 | |
| 9.5 | 5 22.0 | 22.2 | |
| 9.5 | 32.0 | 15.0 | |
| 9.2 | 42.7 | 39.5 | |
| 9.3 | 6 10.4 | 46.0 | |
| 9.1 | 7 0.1 | 37.2 | *a*B |
| 8.3 | 7.6 | 5.5 | K |
| 9.0 | 10.5 | 16.2 | K |
| 9.3 | 16.1 | 37.7 | B |
| 9.0 | 17.0 | 44.0 | |
| 9.5 | 8 1.4 | 53.9 | |
| 9.5 | 10.9 | 36.0 | |
| 9.3 | 24.9 | 56.2 | |
| 9.5 | 25.3 | 6.2 | |
| 9.5 | 35.7 | 1.9 | |
| 9.3 | 53.5 | 9.0 | |
| 8.0 | 9 37.5 | 28.2 | L |
| 9.4 | 54.0 | 19.2 | |
| 9.1 | 11 42.2 | 39.2 | *b* |
| 9.5 | 51.0 | 35.1 | |
| 9.5 | 12 5.9 | 28.5 | |
| 9.5 | 41.5 | 44.4 | |
| 9.5 | 50.0 | 3.5 | |
| 9.5 | 13 35.7 | 47.2 | *a*B |
| 9.5 | 50.3 | 9.9 | |
| 8.9 | 55.0 | 37.5 | |
| 9.5 | 55.2 | 55.0 | |
| 9.3 | 14 7.8 | 18.0 | |
| 9.1 | 13.0 | 20.3 | K |
| 9.3 | 43.2 | 41.1 | *a*B |
| 8.4 | 57.9 | 22.0 | K |
| 9.3 | 15 38.1 | 41.0 | *a*B |
| 9.5 | 45.3 | 3.4 | |
| 9.5 | 16 13.7 | 53.5 | |
| 9.1 | 25.4 | 35.5 | K |
| 9.5 | 25.5 | 7.8 | |
| 8.5 | 56.6 | 40.2 | K |
| 9.4 | 17 1.0 | 45.4 | |
| 9.4 | 20.8 | 51.7 | |
| 9.5 | 18 7.7 | 43.0 | |
| 9.2 | 7.9 | 33.7 | |
| | + | — | |
| 10pr. | 23.05 | 0.75 | |

2981—3040

| m | 17ᵃ | +30° | |
|---|---|---|---|
| 9.5 | 18′ 11.2″ | 14.4′ | |
| 8.5 | 19 22.0 | 53.3 | K |
| 8.8 | 50.3 | 16.2 | K*b* |
| 8.2 | 20 55.2 | 55.0 | K |
| 9.5 | 21 5.0 | 3.4 | |
| 9.2 | 30.0 | 32.3 | |
| 8.8 | 33.8 | 59.5 | |
| 9.5 | 41.4 | 51.6 | |
| 9.4 | 41.7 | 54.4 | |
| 8.7 | 49.9 | 14.4 | L |
| 9.3 | 22 5.4 | 31.0 | |
| 9.4 | 12.5 | 42.3 | |
| 8.7 | 12.5 | 31.2 | |
| 9.5 | 22.9 | 39.3 | |
| 9.4 | 29.9 | 41.3 | B |
| 9.4 | 46.4 | 42.1 | |
| 8.1 | 47.8 | 21.9 | B |
| 9.2 | 52.8 | 1.0 | *a* |
| 9.5 | 59.0 | 8.2 | |
| 9.4 | 23 28.9 | 23.0 | |
| 9.2 | 36.0 | 48.4 | |
| 9.4 | 24 25.0 | 49.5 | *a*B |
| 9.2 | 25.6 | 22.9 | *a*B |
| 9.5 | 26.4 | 42.9 | |
| 9.5 | 29.1 | 31.3 | |
| 8.5 | 31.2 | 58.8 | K |
| 9.1 | 25 1.5 | 46.0 | |
| 9.5 | 6.9 | 12.0 | |
| 9.5 | 11.2 | 54.9 | |
| 9.5 | 20.0 | 1.8 | |
| 9.5 | 22.5 | 29.9 | |
| 9.5 | 43.8 | 2.1 | |
| 7.1 | 26 8.0 | 26.1 | K |
| 9.4 | 43.3 | 3.9 | |
| 9.2 | 27 12.7 | 2.8 | *a* |
| 9.5 | 57.2 | 35.9 | *a*B |
| 9.5 | 58.8 | 33.4 | |
| 9.5 | 28 21.6 | 58.5 | |
| 9.2 | 27.0 | 13.8 | |
| 9.1 | 30.9 | 39.1 | *b* |
| 9.5 | 35.7 | 4.6 | |
| 9.5 | 36.0 | 14.5 | |
| 9.4 | 39.6 | 52.5 | |
| 9.4 | 29 27.7 | 10.3 | *a*B |
| 9.3 | 43.3 | 2.9 | |
| 9.4 | 44.8 | 8.0 | |
| 9.3 | 53.8 | 3.2 | *a*B |
| 9.4 | 30 11.0 | 27.5 | |
| 9.5 | 12.5 | 42.6 | |
| 9.2 | 19.4 | 34.3 | |
| 9.5 | 45.0 | 41.6 | |
| 9.4 | 49.2 | 37.8 | *a*B |
| 6.0 | 31 5.6 | 52.7 | K |
| 9.2 | 32 11.5 | 21.7 | K |
| 9.2 | 18.0 | 12.3 | K |
| 9.4 | 39.4 | 43.3 | |
| 8.5 | 57.4 | 17.2 | K |
| 9.3 | 33 5.0 | 51.7 | K |
| 7.5 | 12.4 | 19.3 | K |
| 8.7 | 34 18.9 | 53.5 | K |
| | + | — | |
| 10pr. | 22.93 | 0.51 | |

3041—3100

| m | 17ᵃ | +30° | |
|---|---|---|---|
| 9.4 | 35′ 30.1″ | 43.3′ | |
| 9.5 | 36 4.5 | 13.0 | |
| 9.5 | 47.1 | 34.3 | |
| 9.4 | 37 14.9 | 36.1 | |
| 8.6 | 26.8 | 26.1 | L*b* |
| 9.5 | 47.7 | 3.2 | |
| 9.0 | 58.5 | 55.7 | K |
| 9.5 | 38 25.0 | 20.9 | |
| 9.3 | 59.3 | 5.2 | |
| 9.5 | 39 10.1 | 6.8 | |
| 9.0 | 39.5 | 44.3 | K |
| 8.2 | 50.2 | 36.7 | B |
| 9.5 | 40 1.6 | 10.9 | *B* |
| 8.7 | 5.5 | 35.3 | K |
| 9.3 | 7.4 | 2.6 | |
| 9.4 | 26.3 | 16.1 | |
| 9.4 | 51.3 | 50.7 | |
| 9.5 | 41 19.5 | 8.5 | |
| 9.1 | 42 7.5 | 31.9 | *b* |
| 9.4 | 14.5 | 40.1 | B |
| 7.8 | 16.7 | 24.4 | B |
| 8.8 | 24.7 | 46.1 | |
| 9.5 | 43 51.5 | 59.2 | |
| 9.5 | 44 17.8 | 47.1 | |
| 9.5 | 28.2 | 30.3 | |
| 9.5 | 58.5 | 43.7 | |
| 9.4 | 59.6 | 1.6 | |
| 8.3 | 45 20.2 | 8.6 | *B* |
| 7.2 | 23.5 | 2.2 | B*b* |
| 9.3 | 24.4 | 12.6 | *a*B |
| 8.3 | 31.5 | 16.5 | |
| 9.5 | 46 24.5 | 46.8 | |
| 9.2 | 29.9 | 7.3 | K |
| 8.3 | 58.8 | 47.1 | K |
| 9.3 | 47 5.5 | 9.2 | K*b* |
| 9.4 | 10.6 | 59.1 | |
| 8.7 | 16.3 | 57.1 | B |
| 7.9 | 48 17.6 | 24.1 | B |
| 9.4 | 28.0 | 49.9 | *a*B |
| 9.4 | 34.0 | 38.1 | *a*B |
| 9.5 | 36.2 | 32.3 | |
| 9.3 | 56.0 | 54.6 | |
| 9.0 | 49 16.7 | 2.5 | K*b* |
| 9.0 | 18.6 | 53.0 | K |
| 9.5 | 46.5 | 1.5 | |
| 9.1 | 50 48.9 | 57.8 | |
| 9.0 | 55.8 | 23.0 | K |
| 9.2 | 51 8.1 | 45.7 | K |
| 8.7 | 47.2 | 18.1 | |
| 9.5 | 52 9.9 | 15.8 | |
| 9.2 | 28.5 | 10.7 | K |
| 9.5 | 29.0 | 20.6 | |
| 4.5 | 57.0 | 12.5 | K*b* |
| 9.5 | 53 15.7 | 21.8 | |
| 9.0 | 23.1 | 35.9 | |
| 7.7 | 29.3 | 5.7 | K |
| 9.5 | 34.1 | 12.7 | |
| 9.5 | 53.2 | 49.3 | |
| 9.4 | 55.4 | 0.7 | |
| 8.0 | 54 0.8 | 44.1 | L |
| | + | — | |
| 10pr. | 22.86 | 0.21 | |

| 3101—3160 | | | | | 3161—3220 | | | | | 3221—3280 | | | | | 3281—3340 | | | | | 3341—3400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17u—18u | | +30° | | | 18u | | +30° | | | 18u | | +30° | | | 18u | | +30° | | | 18u | | +30° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | |
| 8.8 | 54 | 32 | 7 | 25.0 | 9.5 | 10 | 5 | 7 | 38.5 | 9.5 | 25 | 57 | 0 | 33.7 | 8.0 | 38 | 10 | 0 | 15.9 | S | 9.2 | 48 | 44 | 6 | 7.9 | αB |
| 9.5 | | 52 | 1 | 2.5 | 7.1 | | 20 | 8 | 21.2 | B | 9.1 | 26 | 45 | 5 | 51.2 | | 9.5 | | 21 | 2 | 18.3 | | 8.8 | 49 | 3 | 6 | 8.6 | Rb |
| 9.4 | | 58 | 7 | 8.4 | 9.0 | | 32 | 9 | 40.0 | B | 5.5 | 27 | 18 | 6 | 27.1 | K | 9.1 | | 43 | 8 | 38.0 | | 9.5 | | 14 | 3 | 10.3 | α |
| 9.4 | 55 | 29 | 2 | 59.0 | 9.5 | | 36 | 7 | 54.0 | | 9.3 | | 30 | 1 | 11.1 | B | 8.8 | | 44 | 1 | 51.8 | | 7.5 | | 20 | 6 | 56.3 | L |
| 9.5 | | 48 | 0 | 58.2 | 9.5 | | 44 | 8 | 59.5 | | 9.3 | | 27 | 0 | 18.1 | | 8.9 | | 52 | 6 | 14.8 | | 8.5 | | 26 | 6 | 41.9 | B |
| 7.0 | | 54 | 7 | 39.3 | L | 9.5 | | 54 | 9 | 56.0 | B | 8.2 | | 44 | 2 | 3.4 | K | 9.5 | 39 | 5 | 5 | 50.4 | | 9.5 | | 36 | 9 | 39.8 | |
| 9.3 | 56 | 31 | 4 | 48.6 | αB | 8.9 | | 58 | 9 | 27.6 | K | 7.5 | | 53 | 4 | 47.1 | K | 9.5 | | 23 | 8 | 2.8 | | 9.1 | | 40 | 8 | 26.1 | B |
| 9.5 | | 37 | 2 | 7.2 | | 8.9 | | 59 | 2 | 8.6 | K | 9.5 | 28 | 4 | 9 | 54.7 | B | 9.5 | | 45 | 6 | 47.9 | | 8.2 | | 41 | 7 | 35.8 | B |
| 8.7 | | 46 | 6 | 47.1 | L | 9.5 | 11 | 21 | 3 | 55.9 | | 9.2 | | 10 | 2 | 13.8 | B | 8.7 | | 46 | 1 | 3.7 | K | 9.5 | | 50 | 3 | 56.1 | |
| 9.1 | | 51 | 5 | 1.8 | αb | 9.4 | | 51 | 4 | 38.1 | | 9.5 | | 11 | 0 | 40.1 | | 9.0 | 40 | 25 | 2 | 16.3 | K | 9.5 | | 56 | 7 | 8.4 | |
| 6.7 | 57 | 4 | 3 | 33.1 | L | 9.1 | 12 | 1 | 3 | 58.3 | | 9.1 | | 13 | 3 | 56.7 | K | 9.5 | | 39 | 3 | 14.6 | | 8.0 | 50 | 13 | 6 | 7.7 | Kb |
| 8.0 | | 24 | 2 | 20.6 | L | 9.5 | | 4 | 5 | 2.6 | B | 9.5 | | 14 | 2 | 14.4 | | 8.9 | | 48 | 2 | 24.5 | B | 8.9 | | 31 | 4 | 29.7 | K |
| 6.7 | 58 | 22 | 8 | 24.1 | L | 9.5 | | 11 | 9 | 32.6 | | 9.4 | | 18 | 9 | 31.3 | | 9.3 | | 57 | 1 | 47.0 | | 9.4 | | 35 | 7 | 34.2 | B |
| 9.5 | | 34 | 7 | 53.5 | | 9.5 | | 25 | 5 | 20.2 | | 8.9 | | 19 | 6 | 26.6 | B | 7.8 | 41 | 4 | 1 | 26.0 | K | 9.5 | | 39 | 2 | 13.7 | |
| 9.5 | 59 | 7 | 2 | 11.3 | | 8.9 | 13 | 7 | 9 | 31.9 | Bb | 9.5 | | 22 | 9 | 58.4 | | 8.7 | | 6 | 1 | 37.3 | K | 8.9 | | 41 | 7 | 37.6 | K |
| 9.3 | | 14 | 3 | 12.8 | | 9.5 | | 11 | 6 | 32.6 | | 8.5 | | 37 | 8 | 25.4 | K | 9.4 | | 18 | 6 | 44.6 | | 9.5 | | 45 | 6 | 36.1 | α |
| 8.6 | | 19 | 2 | 33.0 | K | 9.0 | | 30 | 4 | 51.6 | | 9.5 | 29 | 3 | 5 | 59.2 | | 8.9 | | 43 | 0 | 16.2 | | 9.5 | | 52 | 0 | 55.1 | |
| 9.5 | | 27 | 2 | 48.4 | | 9.3 | | 42 | 4 | 28.4 | | 8.6 | | 6 | 4 | 21.3 | K | 9.0 | | 55 | 4 | 57.0 | | 8.6 | 51 | 4 | 5 | 2.7 | |
| 9.5 | 0 | 2 | 2 | 28.6 | | 9.0 | | 44 | 8 | 58.2 | B | 9.3 | | 38 | 2 | 11.7 | B | 9.2 | | 57 | 6 | 37.2 | | 9.5 | | 11 | 6 | 15.3 | |
| 9.5 | | 27 | 0 | 5.0 | | 9.5 | 14 | 9 | 8 | 57.0 | | 9.3 | | 40 | 3 | 17.2 | | 9.5 | 42 | 6 | 7 | 15.7 | | 9.5 | | 31 | 4 | 44.9 | |
| 9.5 | | 29 | 9 | 10.5 | | 9.4 | | 27 | 3 | 25.6 | B | 9.5 | | 47 | 9 | 12.0 | | 8.8 | | 37 | 6 | 3.3 | | 9.5 | | 37 | 5 | 2.9 | α |
| 9.3 | | 53 | 4 | 13.5 | | 9.5 | | 56 | 9 | 57.8 | | 9.5 | | 58 | 7 | 13.7 | | 9.5 | | 57 | 9 | 53.4 | | 9.3 | | 52 | 8 | 54.8 | |
| 8.9 | 1 | 8 | 0 | 14.9 | | 9.5 | 15 | 15 | 2 | 32.3 | | 9.0 | 30 | 7 | 5 | 31.3 | K | 8.5 | 43 | 3 | 2 | 31.2 | | 9.2 | | 57 | 2 | 23.3 | |
| 9.3 | | 10 | 1 | 18.6 | B | 9.2 | 16 | 14 | 9 | 47.1 | K | 7.0 | | 44 | 3 | 28.6 | Kb | 8.9 | | 17 | 6 | 11.2 | | 8.6 | 52 | 18 | 2 | 23.6 | |
| 9.2 | | 11 | 5 | 37.5 | B | 9.5 | | 20 | 8 | 55.6 | | 7.8 | 31 | 1 | 9 | 19.9 | L | 9.5 | | 23 | 2 | 3.3 | α | 9.5 | | 28 | 7 | 34.6 | |
| 9.2 | | 15 | 7 | 55.1 | | 9.1 | | 44 | 4 | 19.1 | | 9.5 | | 10 | 9 | 54.2 | | 9.0 | | 53 | 1 | 37.4 | | 9.5 | | 29 | 1 | 20.3 | |
| 8.8 | | 24 | 0 | 53.7 | K | 9.0 | 17 | 0 | 3 | 1.8 | | 9.5 | | 35 | 6 | 49.1 | | 8.9 | | 54 | 9 | 25.7 | | 9.5 | | 31 | 6 | 18.1 | |
| 5.0 | | 34 | 1 | 33.0 | R | 9.4 | | 14 | 5 | 5.0 | α | 8.3 | | 36 | 3 | 35.6 | | 9.5 | | 58 | 4 | 47.3 | B | 9.1 | | 34 | 1 | 7.8 | α |
| 9.5 | | 47 | 7 | 22.1 | | 9.5 | | 22 | 0 | 10.5 | | 9.5 | | 44 | 7 | 58.4 | | 9.5 | 44 | 7 | 0 | 44.3 | | 9.4 | | 46 | 0 | 4.3 | |
| 9.5 | 2 | 1 | 0 | 4.1 | | 8.8 | | 25 | 1 | 2.5 | Lb | 9.5 | 32 | 10 | 8 | 34.4 | | 9.4 | | 10 | 8 | 53.2 | | 9.4 | | 53 | 3 | 21.0 | |
| 9.5 | | 25 | 4 | 37.5 | | 9.5 | | 46 | 9 | 5.5 | | 9.5 | | 23 | 3 | 25.2 | | 9.5 | | 11 | 5 | 51.8 | B | 9.2 | | 58 | 4 | 13.1 | |
| 9.5 | | 38 | 5 | 14.0 | | 8.0 | 18 | 24 | 1 | 12.9 | B | 9.0 | | 56 | 5 | 46.0 | | 8.8 | | 11 | 6 | 32.5 | | 9.2 | 53 | 4 | 2 | 53.4 | |
| 7.5 | | 43 | 2 | 58.7 | B | 8.0 | | 24 | 9 | 22.1 | B | 8.9 | 33 | 3 | 0 | 38.0 | K | 9.5 | | 11 | 6 | 45.3 | | 9.3 | | 20 | 3 | 53.4 | |
| 9.4 | | 59 | 9 | 6.3 | | 9.5 | | 26 | 2 | 17.2 | | 9.1 | | 3 | 1 | 34.6 | K | 9.5 | | 12 | 5 | 50.3 | | 9.5 | | 28 | 6 | 47.5 | |
| 9.5 | 3 | 16 | 0 | 58.5 | | 8.4 | | 34 | 1 | 29.7 | B | 7.4 | | 6 | 5 | 19.6 | B | 9.2 | | 34 | 0 | 3.3 | α | 9.1 | | 33 | 5 | 14.8 | αB |
| 9.4 | | 36 | 7 | 50.1 | B | 9.3 | 19 | 3 | 7 | 22.0 | | 9.4 | | 12 | 6 | 34.5 | | 9.4 | | 44 | 3 | 18.0 | | 9.0 | | 49 | 7 | 38.6 | |
| var | | 37 | 1 | 59.7 | B | 8.4 | | 4 | 0 | 43.6 | | 9.5 | | 18 | 5 | 6.5 | | 8.7 | | 46 | 6 | 11.8 | K | 9.4 | 54 | 9 | 8 | 21.3 | |
| 7.2 | | 39 | 4 | 26.4 | L | 9.3 | | 13 | 0 | 43.9 | | 9.5 | | 22 | 2 | 6.9 | | 9.4 | | 46 | 8 | 20.3 | B | 9.3 | | 14 | 0 | 25.0 | |
| 9.5 | | 45 | 9 | 39.9 | | 9.5 | | 55 | 4 | 14.0 | | 9.5 | | 42 | 5 | 21.1 | | 9.1 | | 51 | 2 | 35.4 | | 9.3 | | 16 | 3 | 14.8 | |
| 8.7 | 4 | 16 | 9 | 11.8 | K | 8.5 | 20 | 4 | 0 | 57.7 | K | 9.5 | 34 | 17 | 0 | 48.1 | B | 9.5 | 45 | 5 | 4 | 12.0 | | 9.2 | | 18 | 3 | 53.9 | |
| 9.3 | | 17 | 7 | 3.3 | | 9.2 | | 12 | 0 | 0.2 | α | 9.5 | | 26 | 0 | 43.1 | | 8.4 | | 7 | 1 | 8.1 | K | 9.5 | | 18 | 7 | 46.0 | B |
| 8.0 | | 33 | 8 | 49.2 | L | 9.1 | | 15 | 2 | 54.7 | K | 6.3 | | 31 | 8 | 43.9 | K | 9.3 | | 14 | 5 | 15.9 | B | 9.4 | | 34 | 0 | 1.6 | |
| 9.3 | 5 | 19 | 9 | 47.5 | | 9.1 | 21 | 7 | 9 | 37.8 | b | 9.5 | | 39 | 2 | 21.5 | | 9.0 | | 24 | 9 | 11.0 | B | 9.5 | | 38 | 6 | 24.3 | |
| 7.9 | | 53 | 4 | 5.8 | L | 9.3 | | 8 | 3 | 14.5 | B | 8.3 | | 55 | 1 | 9.8 | K | 9.0 | | 38 | 3 | 1.8 | B | 9.4 | 55 | 3 | 8 | 13.7 | |
| 9.3 | 6 | 29 | 2 | 15.3 | | 9.5 | | 18 | 2 | 10.1 | B | 9.1 | | 59 | 4 | 35.6 | | 9.2 | | 40 | 5 | 6.3 | α | 9.5 | | 6 | 6 | 36.4 | |
| 9.5 | 7 | 7 | 6 | 17.8 | | 6.8 | | 21 | 1 | 53.3 | K | 9.5 | 35 | 0 | 8 | 48.1 | | 8.8 | | 58 | 7 | 34.8 | | 9.4 | | 6 | 7 | 20.7 | |
| 9.1 | | 11 | 2 | 37.5 | αB | 9.5 | | 30 | 0 | 17.5 | | 9.5 | | 5 | 9 | 47.4 | | 9.0 | 46 | 15 | 4 | 54.8 | | 9.5 | | 7 | 2 | 38.0 | |
| 9.2 | | 14 | 1 | 8.4 | K | 9.0 | | 56 | 4 | 18.8 | | 8.3 | | 11 | 2 | 16.0 | | 9.3 | | 23 | 5 | 18.0 | | 8.6 | | 26 | 9 | 16.8 | |
| 9.4 | | 18 | 6 | 44.5 | | 9.5 | 22 | 15 | 9 | 11.3 | | 9.0 | | 42 | 1 | 43.7 | | 8.6 | | 26 | 9 | 27.6 | B | 8.8 | | 52 | 0 | 47.1 | |
| 9.0 | | 44 | 9 | 46.4 | Kb | 9.5 | | 54 | 9 | 11.8 | | 8.9 | | 42 | 5 | 39.9 | B | 9.3 | | 33 | 6 | 2.6 | | 8.4 | 56 | 25 | 5 | 51.1 | B |
| 9.2 | 8 | 11 | 5 | 3.1 | α | 8.8 | | 57 | 6 | 4.8 | B | 7.4 | | 42 | 8 | 9.0 | Kb | 9.5 | | 48 | 8 | 53.3 | | 9.3 | | 30 | 5 | 34.1 | |
| 9.3 | | 36 | 1 | 5.6 | α | 9.5 | 23 | 19 | 7 | 23.0 | | 9.5 | 36 | 19 | 4 | 55.3 | | 9.0 | 47 | 1 | 5 | 49.5 | | 8.5 | | 33 | 1 | 14.1 | K |
| 9.5 | | 49 | 8 | 59.9 | | 9.5 | | 21 | 2 | 4.4 | | 9.5 | | 21 | 5 | 42.8 | | 8.5 | | 23 | 6 | 15.6 | K | 9.2 | | 58 | 9 | 14.3 | K |
| 9.4 | | 54 | 0 | 43.8 | K | 9.5 | 24 | 6 | 4 | 42.3 | | 9.5 | | 21 | 5 | 35.8 | | 9.2 | | 57 | 5 | 26.9 | B | 9.5 | 57 | 28 | 0 | 55.6 | |
| 9.4 | | 56 | 8 | 52.6 | | 9.2 | | 24 | 1 | 57.2 | | 9.5 | | 59 | 7 | 50.5 | | 9.1 | 48 | 0 | 9 | 48.0 | | 9.4 | 58 | 5 | 8 | 11.4 | |
| 9.5 | 9 | 20 | 7 | 50.1 | | 9.2 | 25 | 25 | 4 | 44.7 | Kb | 9.3 | 37 | 3 | 3 | 14.9 | | 9.3 | | 8 | 3 | 4.5 | α | 9.1 | | 15 | 1 | 6.7 | |
| 9.4 | | 21 | 7 | 47.6 | αB | 9.5 | | 28 | 8 | 58.3 | | 9.3 | | 5 | 0 | 7.2 | | 9.5 | | 19 | 3 | 52.5 | B | 8.7 | | 24 | 0 | 47.9 | |
| 9.1 | | 33 | 2 | 46.6 | K | 8.8 | | 32 | 3 | 14.8 | B | 9.2 | | 12 | 1 | 28.4 | B | 9.5 | | 23 | 7 | 19.2 | | 9.3 | | 25 | 1 | 0.2 | |
| 9.3 | | 50 | 6 | 57.9 | K | 9.1 | | 39 | 6 | 11.4 | | 8.0 | | 30 | 4 | 59.8 | Kb | 9.4 | | 31 | 5 | 9.9 | | 9.0 | | 30 | 7 | 38.5 | |
| 9.5 | 10 | 3 | 1 | 6.6 | B | 9.4 | | 43 | 1 | 57.3 | B | 9.5 | | 43 | 6 | 19.7 | | 9.5 | | 34 | 2 | 49.7 | | 9.4 | | 33 | 9 | 45.6 | |
| | | + | | + | | | | + | | + | | | + | | + | | | + | | + | | | + | | + |
| 10pr. | | 22.84 | | 0.03 | 10pr. | | 22.87 | | 0.26 | 10pr. | | 22.92 | | 0.47 | 10pr. | | 22.99 | | 0.64 | 10pr. | | 23.05 | | 0.76 |

| 3401—3460 | | | | | 3461—3520 | | | | | 3521—3580 | | | | | 3581—3640 | | | | | 3641—3700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵐ—19ᵐ | | +30° | | | 19ᵐ | | +30° | | | 19ᵐ | | +30° | | | 19ᵐ | | +30° | | | 19ᵐ | | +30° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.5 | 58 39.4 | | 13.9 | | 9.4 | 5 51.5 | | 31.8 | | 9.2 | 15 44.5 | | 59.9 | K | 9.5 | 22 1.8 | | 41.3 | | 9.0 | 29 15.4 | | 28.5 | K |
| 9.0 | | 45.3 | 47.7 | | 9.5 | 6 6.5 | | 3.5 | | 9.5 | | 51.2 | 25.5 | | 9.5 | | 3.0 | 48.5 | | 9.5 | | 22.6 | 55.1 | B |
| 9.5 | | 47.2 | 6.3 | | 9.5 | | 41.1 | 5.8 | | 8.8 | | 57.5 | 1.2 | | 9.5 | | 9.9 | 7.4 | | 9.5 | | 28.5 | 16.8 | |
| 9.5 | | 48.4 | 51.4 | | 7.7 | | 44.5 | 6.4 | K | 7.7 | | 58.3 | 5.6 | L | 8.7 | | 17.9 | 0.9 | Rb | 9.3 | | 36.0 | 3.0 | |
| 9.5 | | 54.7 | 38.6 | | 9.4 | | 49.6 | 3.5 | | 9.3 | 16 | 1.2 | 58.3 | K | 9.5 | | 41.5 | 32.9 | | 7.6 | | 54.4 | 57.8 | K |
| 9.3 | 59 | 0.9 | 52.2 | | 9.5 | | 51.6 | 31.1 | | 9.2 | | 4.2 | 53.4 | | 9.5 | | 54.2 | 23.2 | | 8.2 | | 55.0 | 4.8 | B |
| 9.5 | | 7.1 | 12.9 | | 9.1 | | 52.0 | 56.1 | B | 8.8 | | 13.0 | 46.7 | | 9.3 | | 59.6 | 5.6 | | 9.2 | 30 | 4.5 | 48.4 | |
| 9.2 | | 8.6 | 7.8 | | 9.5 | | 56.4 | 54.6 | | 9.5 | | 23.1 | 23.0 | B | 9.0 | 23 | 8.7 | 37.6 | | 9.2 | | 5.6 | 36.4 | K |
| 6.5 | | 23.1 | 31.0 | K | 9.4 | | 57.0 | 56.1 | | 9.5 | | 23.4 | 28.6 | | 8.3 | | 27.5 | 0.2 | | 9.2 | | 19.2 | 52.7 | |
| 9.4 | 0 | 11.2 | 51.9 | | 9.0 | 7 | 13.1 | 21.0 | | 9.5 | | 37.7 | 38.0 | | 7.4 | | 36.4 | 15.4 | L | 9.1 | | 22.6 | 34.7 | K |
| 9.5 | | 22.1 | 3.9 | | 9.0 | | 20.6 | 45.5 | | 8.8 | | 38.4 | 43.2 | | 9.2 | | 38.5 | 51.1 | | 9.5 | | 28.4 | 31.2 | |
| 9.0 | | 28.9 | 44.7 | | 9.5 | | 24.5 | 4.7 | | 9.5 | | 39.0 | 55.8 | B | 9.5 | | 39.2 | 6.4 | | 9.1 | | 40.1 | 0.0 | αB |
| 8.2 | | 31.8 | 13.1 | S | 9.0 | | 53.2 | 28.1 | B | 9.1 | | 43.1 | 8.8 | R | 9.4 | | 50.0 | 57.4 | B | 9.5 | | 46.2 | 26.0 | |
| 9.5 | | 37.7 | 8.4 | | 9.2 | | 56.8 | 40.0 | | 9.5 | 17 | 29.7 | 9.4 | | 9.4 | | 51.1 | 5.9 | | 8.5 | | 49.7 | 41.1 | K |
| 9.4 | | 45.4 | 25.3 | B | 9.4 | | 58.7 | 48.9 | | 9.5 | | 42.1 | 49.4 | | 8.7 | | 51.4 | 26.2 | R | 8.2 | | 56.3 | 54.9 | K |
| 9.5 | | 54.8 | 57.8 | | 9.5 | 8 | 2.1 | 28.9 | | 9.5 | | 56.6 | 35.8 | | 9.5 | 24 | 23.8 | 5.2 | | 8.5 | | 59.9 | 58.8 | K |
| 9.3 | | 59.6 | 20.5 | | 9.5 | | 10.5 | 4.0 | | 9.5 | 18 | 21.4 | 32.4 | | 9.5 | | 24.0 | 41.5 | | 9.2 | 31 | 4.6 | 35.6 | |
| 9.2 | 1 | 13.2 | 20.7 | | 9.5 | | 26.1 | 0.5 | | 9.5 | | 26.9 | 44.5 | | 9.4 | | 34.0 | 10.0 | | 7.8 | | 9.5 | 0.4 | L |
| 9.5 | | 21.5 | 4.4 | | 7.8 | | 42.5 | 6.2 | Lb | 9.3 | | 27.1 | 21.8 | K | 9.5 | | 38.9 | 42.5 | | 9.5 | | 15.6 | 43.3 | |
| 9.5 | | 21.8 | 40.7 | | 9.5 | | 46.7 | 30.0 | B | 9.5 | | 28.8 | 12.9 | | 9.4 | | 41.3 | 55.1 | | 8.1 | | 40.5 | 6.2 | B |
| 9.3 | | 32.2 | 22.0 | B | 9.5 | | 58.1 | 50.9 | | 9.5 | | 34.5 | 5.9 | | 9.5 | | 42.8 | 12.0 | | 9.5 | | 54.1 | 29.8 | |
| 9.5 | | 40.3 | 25.0 | | 9.5 | | 59.0 | 48.2 | | 7.0 | | 40.9 | 46.0 | K | 9.5 | | 58.6 | 25.2 | | 9.5 | | 57.9 | 45.3 | |
| 9.4 | | 41.5 | 34.1 | | 9.5 | 9 | 17.5 | 0.5 | | 9.4 | | 42.5 | 28.0 | | 7.5 | | 59.5 | 17.3 | K | 9.5 | | 59.8 | 42.9 | |
| 9.5 | | 53.0 | 16.2 | | 9.5 | | 19.0 | 48.0 | | 9.5 | | 47.5 | 31.5 | | 9.5 | 25 | 11.3 | 55.5 | B | 8.9 | 32 | 3.7 | 1.5 | |
| 7.8 | | 54.4 | 1.0 | K | 9.5 | | 19.5 | 32.7 | | 9.5 | 19 | 0.6 | 32.5 | | 8.3 | | 13.0 | 7.8 | B | 9.4 | | 4.2 | 31.3 | B |
| 9.3 | 2 | 2.1 | 51.4 | | 9.5 | | 25.8 | 26.3 | | 9.5 | | 1.2 | 23.1 | | 9.5 | | 27.5 | 57.0 | | 9.3 | | 19.1 | 8.8 | a |
| 8.6 | | 10.3 | 26.7 | K | 9.5 | | 26.0 | 47.7 | | 9.5 | | 35.0 | 5.9 | | 9.5 | | 30.5 | 56.3 | | 9.4 | | 26.4 | 6.0 | B |
| 9.5 | | 13.4 | 30.4 | | 9.1 | | 41.8 | 13.2 | | 9.0 | | 38.6 | 9.5 | R | 9.3 | | 41.8 | 52.8 | | 9.2 | | 29.9 | 47.7 | |
| 7.8 | | 28.0 | 24.2 | K | 9.2 | | 44.4 | 58.6 | | 9.5 | | 43.4 | 6.3 | | 9.2 | | 52.0 | 48.2 | | 9.5 | | 31.4 | 25.8 | |
| 8.7 | | 28.1 | 52.6 | | 9.4 | | 45.5 | 5.2 | | 9.5 | | 48.4 | 30.2 | | 9.0 | | 54.7 | 38.3 | | 9.1 | | 34.6 | 21.0 | |
| 9.0 | | 29.5 | 33.6 | | 5.8 | | 48.9 | 16.5 | L | 9.4 | | 50.2 | 4.5 | a | 8.8 | 26 | 5.5 | 0.7 | | 9.3 | | 40.2 | 11.9 | |
| 8.9 | | 31.7 | 17.3 | K | 9.1 | 10 | 1.8 | 26.7 | | 9.4 | | 52.1 | 49.7 | | 9.4 | | 12.6 | 7.0 | | 9.4 | | 46.1 | 8.6 | |
| 9.5 | | 45.1 | 18.6 | | 8.6 | | 16.7 | 39.0 | K | 9.1 | | 54.7 | 38.6 | K | 8.1 | | 16.1 | 54.5 | B | 7.9 | 33 | 0.2 | 53.4 | B |
| 9.4 | | 47.0 | 50.2 | | 6.9 | | 21.8 | 59.2 | L | 8.7 | | 55.3 | 41.6 | K | 9.2 | | 26.0 | 26.4 | B | 9.0 | | 1.1 | 35.1 | |
| 9.1 | | 50.7 | 38.4 | K | 6.8 | | 22.0 | 46.9 | L | 9.5 | | 57.3 | 3.6 | | 9.3 | | 28.4 | 28.9 | | 9.0 | | 34.3 | 48.7 | |
| 9.1 | 3 | 4.6 | 35.8 | K | 9.3 | | 49.7 | 39.6 | K | 9.5 | | 58.7 | 10.0 | | 9.5 | | 30.8 | 42.4 | | 9.4 | | 37.2 | 18.7 | a |
| 9.4 | | 13.5 | 15.3 | | 8.0 | 11 | 9.3 | 52.9 | K | 9.4 | 20 | 8.0 | 23.0 | | 9.5 | | 43.5 | 34.5 | | 7.3 | | 48.0 | 4.8 | L |
| 7.0 | | 14.7 | 4.4 | L | 9.5 | | 30.4 | 50.4 | B | 9.5 | | 24.3 | 6.4 | B | 9.5 | | 43.8 | 57.3 | | 9.0 | 34 | 1.2 | 19.4 | B |
| 8.5 | | 17.2 | 39.6 | K | 9.5 | | 35.0 | 45.5 | | 9.3 | | 35.5 | 47.9 | | 9.4 | | 49.4 | 57.3 | | 9.2 | | 2.0 | 18.1 | |
| 9.0 | | 32.4 | 12.2 | | 9.5 | | 35.2 | 46.7 | B | 9.0 | | 38.2 | 54.1 | Kb | 9.4 | | 59.6 | 2.8 | αB | 9.0 | | 8.1 | 27.6 | |
| 9.5 | | 42.3 | 3.3 | | 9.5 | | 35.4 | 50.4 | B | 9.3 | | 48.6 | 34.6 | a | 8.7 | 27 | 16.3 | 50.1 | | 9.3 | | 11.3 | 27.2 | |
| 7.0 | | 46.8 | 19.9 | L | 6.9 | 12 | 24.9 | 45.4 | K | 9.5 | | 51.4 | 58.3 | | 6.9 | | 18.3 | 56.1 | L | 9.3 | | 17.6 | 38.7 | αB |
| 9.3 | | 48.5 | 47.8 | | 9.5 | | 32.0 | 19.2 | | 8.8 | | 53.5 | 0.1 | | 8.5 | | 30.7 | 39.6 | | 9.4 | | 26.6 | 45.1 | |
| 9.2 | | 57.1 | 7.1 | αB | 9.4 | 13 | 1.9 | 43.4 | | 9.1 | 21 | 0.4 | 29.7 | R | 9.4 | | 35.2 | 5.3 | a | 9.4 | | 33.5 | 6.5 | |
| 9.4 | | 59.8 | 40.3 | | 8.8 | | 6.8 | 39.9 | | 9.0 | | 4.8 | 50.8 | K | 8.5 | | 36.3 | 23.2 | | 8.9 | | 34.8 | 37.1 | |
| 9.5 | 4 | 32.9 | 28.9 | | 9.2 | | 19.7 | 38.6 | a | 9.5 | | 7.9 | 31.6 | | 9.5 | | 50.5 | 28.9 | | 9.4 | | 39.7 | 13.1 | |
| 9.2 | | 36.8 | 47.7 | | 9.2 | | 23.2 | 53.9 | | 9.5 | | 14.1 | 21.3 | | 9.4 | | 52.8 | 56.8 | | 9.0 | | 46.8 | 57.7 | B |
| 9.5 | | 40.0 | 3.2 | | 9.5 | | 24.5 | 3.0 | | 9.4 | | 17.5 | 5.8 | | 9.5 | | 55.0 | 46.1 | | 9.0 | 35 | 9.7 | 37.6 | |
| 9.4 | | 40.3 | 29.8 | B | 9.5 | | 27.8 | 11.9 | | 9.5 | | 17.5 | 18.3 | | 8.7 | | 55.5 | 0.6 | Kb | 9.5 | | 20.1 | 18.6 | |
| 9.5 | | 43.1 | 6.2 | a | 9.5 | | 33.7 | 10.9 | | 9.5 | | 17.8 | 42.8 | | 9.5 | 28 | 1.1 | 44.3 | B | 8.8 | | 33.5 | 19.3 | K |
| 9.3 | | 47.4 | 8.1 | a | 9.5 | | 37.8 | 5.2 | | 9.5 | | 23.2 | 53.4 | | 9.5 | | 12.0 | 10.9 | | 9.3 | | 33.6 | 35.4 | |
| 9.2 | 5 | 1.5 | 1.1 | | 9.5 | | 47.6 | 42.9 | | 9.1 | | 24.6 | 36.0 | R | 9.0 | | 15.8 | 26.8 | B | 7.5 | | 34.8 | 23.3 | K |
| 8.2 | | 9.7 | 51.2 | B | 9.5 | | 48.2 | 37.6 | | 8.8 | | 25.5 | 7.2 | | 9.5 | | 29.9 | 53.1 | | 9.5 | | 37.5 | 3.2 | |
| 9.0 | | 12.2 | 55.5 | | 9.5 | | 53.8 | 27.2 | | 8.7 | | 28.3 | 24.9 | R | 9.5 | | 42.6 | 15.3 | | 9.4 | | 40.5 | 53.2 | B |
| 9.1 | | 12.7 | 19.2 | B | 9.2 | 14 | 8.1 | 50.8 | Kb | 9.3 | | 33.1 | 58.5 | | 9.3 | | 46.0 | 28.5 | | 9.5 | | 54.3 | 57.5 | |
| 9.5 | | 20.8 | 27.5 | | 8.9 | | 23.1 | 49.0 | K | 9.3 | | 38.8 | 40.7 | aB | 9.3 | | 54.0 | 48.5 | aB | 9.4 | | 54.4 | 59.0 | |
| 9.4 | | 32.7 | 54.4 | | 9.0 | | 23.6 | 36.6 | K | 9.3 | | 41.5 | 53.0 | a | 9.0 | | 56.2 | 48.6 | B | 6.5 | | 59.2 | 28.3 | K |
| 9.5 | | 34.2 | 13.0 | | 9.1 | 15 | 0.0 | 8.8 | | 8.1 | | 42.6 | 7.6 | R | 9.2 | 29 | 0.2 | 29.5 | B | 8.9 | 36 | 4.8 | 42.9 | |
| 9.3 | | 36.1 | 28.3 | | 9.4 | | 11.0 | 54.6 | | 8.8 | | 47.7 | 39.1 | | 9.3 | | 4.8 | 12.6 | | 9.5 | | 33.9 | 57.6 | |
| 9.3 | | 44.5 | 32.5 | | 9.5 | | 36.9 | 4.1 | | 9.4 | | 59.4 | 29.2 | | 9.0 | | 13.8 | 27.9 | | 9.2 | | 39.6 | 36.6 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | 23.13 | | 0.90 | | 10pr. | 23.21 | | 1.01 | | 10pr. | 23.32 | | 1.14 | | 10pr. | 23.39 | | 1.22 | | 10pr. | 23.48 | | 1.31 | |

3701—3760

| m | 19ʰ | +30° | |
|---|---|---|---|
| 9.4 | 36′ 40.3″ | 1.5 | |
| 9.2 | 41.3 | 57.2 | |
| 9.2 | 48.5 | 19.0 | |
| 9.4 | 49.9 | 59.1 | |
| 9.5 | 56.2 | 52.1 | |
| 6.2 | 37 28.1 | 19.9 | L |
| 9.3 | 31.5 | 0.9 | |
| 8.5 | 39.7 | 35.4 | |
| 8.8 | 47.9 | 15 3 | |
| 9.5 | 50.5 | 48.0 | |
| 9.3 | 52.7 | 39.8 | |
| 9.2 | 52.9 | 57.3 | K |
| 9.5 | 38 1.4 | 30.4 | |
| 9.5 | 8.9 | 50.8 | |
| 9.5 | 16.7 | 37.6 | |
| 9.4 | 32.6 | 41.1 | |
| 9.3 | 34.4 | 29.0 | |
| 9.4 | 39.5 | 35.3 | |
| 9.5 | 50.0 | 31.5 | B |
| 9.5 | 52.8 | 26.0 | |
| 9.3 | 53.5 | 18.9 | |
| 9.5 | 39 27.2 | 53.2 | |
| 9.4 | 28.1 | 48.9 | |
| 9.5 | 35.7 | 50.8 | |
| 8.4 | 39.3 | 27.4 | |
| 9.5 | 40.2 | 33.8 | |
| 9.3 | 53.7 | 23.3 | |
| 9.4 | 40 6.9 | 52.2 | |
| 8.6 | 15.5 | 1.0 | |
| 9.4 | 16.2 | 6.4 | |
| 8.8 | 18.8 | 15.7 | |
| 8.4 | 20.1 | 35.6 | |
| 9.5 | 46.0 | 18.1 | |
| 9.5 | 58.7 | 13.4 | |
| 8.1 | 41 0.3 | 40.6 | L |
| 8.4 | 6.5 | 5.3 | |
| 9.5 | 17.1 | 22.6 | |
| 9.4 | 34.7 | 38.9 | |
| 7.9 | 35.2 | 29.2 | B |
| 9.5 | 37.8 | 54.2 | |
| 9.3 | 39.9 | 43.8 | |
| 9.0 | 41.5 | 32.2 | |
| 8.9 | 44.5 | 4.4 | K |
| 8.2 | 45.7 | 38.6 | L |
| 9.1 | 47.2 | 22.8 | |
| 9.4 | 59.9 | 16.1 | |
| 9.2 | 42 0.3 | 8.8 | K |
| 9.5 | 13.4 | 23.5 | |
| 9.2 | 16.9 | 43.0 | |
| 9.5 | 20.8 | 5.1 | αB |
| 8.9 | 27.1 | 54.9 | |
| 9.5 | 28.5 | 12.5 | |
| 8.5 | 44.5 | 51.1 | B |
| 9.1 | 46.3 | 28.3 | K |
| 9.5 | 48.5 | 5.4 | B |
| 7.8 | 58.4 | 28.5 | K |
| 9.4 | 43 1.7 | 12.6 | |
| 8.3 | 20.6 | 56.0 | B |
| 9.5 | 25.6 | 5.4 | α |
| 9.5 | 32.1 | 50.8 | |
| 10pr. | 23.58 | 1.41 | |

3761—3820

| m | 19ʰ | +30° | |
|---|---|---|---|
| 9.3 | 43′ 32.8″ | 55.9 | |
| 9.4 | 44 1.3 | 26.0 | |
| 9.2 | 1.9 | 30.2 | K |
| 8.7 | 10.1 | 51.4 | |
| 9.2 | 10.7 | 54.1 | |
| 9.5 | 18.8 | 29.1 | |
| 9.3 | 26.4 | 5.2 | |
| 9.2 | 39.8 | 40.3 | K |
| 8.1 | 43.1 | 24.0 | B |
| 9.5 | 48.9 | 38.6 | B |
| 9.2 | 51.1 | 0.9 | |
| 9.1 | 52.8 | 10.9 | α |
| 9.3 | 45 0.4 | 30.9 | |
| 9.5 | 10.0 | 55.2 | |
| 9.4 | 10.1 | 1.3 | |
| 9.5 | 15.5 | 33.6 | |
| 9.5 | 25.2 | 13.6 | |
| 9.4 | 47.8 | 41.5 | |
| 6.8 | 46 0.0 | 45.7 | K |
| 9.5 | 3.0 | 43.7 | |
| 9.3 | 9.9 | 41.4 | |
| 8.9 | 20.2 | 53.7 | K |
| 9.1 | 24.3 | 7.7 | αBb |
| 9.5 | 26.3 | 8.4 | |
| 9.1 | 29.5 | 48.5 | |
| 9.2 | 33.4 | 34.6 | K |
| 8.4 | 33.9 | 32.6 | K |
| 9.5 | 38.7 | 18.9 | |
| 9.5 | 41.2 | 16.4 | |
| 8.9 | 41.4 | 57.8 | K |
| 9.5 | 55.9 | 45.2 | |
| 9.5 | 56.0 | 16.7 | |
| 8.8 | 58.1 | 0.2 | |
| 9.5 | 47 5.9 | 21.8 | |
| 9.5 | 7.8 | 58.1 | |
| 9.4 | 9.2 | 21.6 | |
| 9.4 | 24.1 | 50.7 | |
| 9.3 | 40.7 | 37.8 | |
| 9.5 | 53.0 | 32.4 | |
| 9.4 | 57.7 | 17.0 | |
| 9.3 | 48 9.9 | 6.4 | α |
| 9.5 | 25.0 | 40.5 | |
| 8.7 | 34.7 | 9.4 | |
| 7.8 | 36.0 | 19.5 | B |
| 8.6 | 49 18.2 | 16.8 | B |
| 7.3 | 21.1 | 18.5 | L |
| 9.5 | 34.5 | 29.3 | |
| 8.9 | 45.9 | 7.8 | |
| 9.5 | 50 4.7 | 18.2 | |
| 9.0 | 16.4 | 30.2 | K |
| 9.5 | 21.8 | 58.4 | |
| 9.5 | 28.1 | 50.9 | |
| 9.0 | 40.4 | 59.3 | |
| 9.3 | 45.6 | 34.8 | |
| 6.5 | 57.1 | 33.5 | K |
| 9.2 | 51 2.0 | 24.3 | |
| 9.4 | 12.9 | 2.5 | |
| 9.3 | 17.5 | 54.2 | |
| 9.1 | 21.4 | 41.2 | αB |
| 7.2 | 21.8 | 23.0 | K |
| 10pr. | 23.68 | 1.50 | |

3821—3880

| m | 19ʰ | +30° | |
|---|---|---|---|
| 9.4 | 51′ 23.6″ | 21.3 | αB |
| 9.4 | 24.1 | 25.3 | |
| 9.3 | 24.6 | 4.1 | |
| 8.5 | 25.3 | 41.0 | K |
| 8.9 | 25.6 | 34.3 | B |
| 8.4 | 27.3 | 27.9 | K |
| 9.5 | 31.9 | 19.8 | |
| 9.0 | 40.8 | 42.5 | |
| 9.3 | 43.7 | 31.0 | |
| 9.5 | 56.4 | 23.7 | |
| 7.7 | 58.9 | 51.6 | K |
| 9.5 | 52 12.3 | 27.4 | |
| 9.5 | 16.5 | 48.9 | |
| 9.3 | 47.1 | 1.9 | |
| 9.2 | 50.7 | 43.1 | αB |
| 9.0 | 52.8 | 40.0 | K |
| 5.8 | 52.8 | 35.3 | K |
| 9.0 | 54.1 | 28.6 | K |
| 9.0 | 53 0.3 | 6.1 | |
| 9.2 | 14.5 | 55.0 | |
| 9.3 | 34.9 | 18.7 | |
| 9.4 | 37.5 | 5.1 | αB |
| 9.3 | 38.9 | 26.0 | αB |
| 9.0 | 55.3 | 26.1 | B |
| 8.0 | 55.8 | 31.0 | L |
| 9.5 | 54 11.0 | 43.3 | |
| 9.2 | 15.8 | 46.2 | K |
| 9.4 | 22.7 | 17.5 | |
| 9.5 | 30.8 | 57.0 | |
| 9.4 | 37.8 | 10.6 | |
| 9.4 | 43.5 | 8.6 | |
| 9.5 | 50.6 | 7.5 | |
| 6.9 | 55 14.1 | 49.8 | L |
| 9.2 | 28.9 | 27.6 | |
| 9.5 | 31.6 | 34.5 | |
| 9.4 | 37.9 | 36.0 | αB |
| 9.5 | 45.9 | 6.3 | |
| 9.4 | 48.1 | 10.5 | |
| 9.5 | 48.5 | 33.0 | αB |
| 9.5 | 54.6 | 35.7 | |
| 9.5 | 57.0 | 33.2 | αB |
| 7.0 | 56 9.8 | 42.7 | L |
| 9.0 | 47.5 | 33.3 | |
| 9.5 | 57 20.7 | 48.3 | |
| 9.4 | 45.5 | 14.5 | B |
| 9.4 | 49.3 | 5.0 | αB |
| 9.5 | 56.4 | 59.0 | |
| 9.4 | 58 1.5 | 23.2 | |
| 9.5 | 6.8 | 5.9 | |
| 9.1 | 6.8 | 47.9 | |
| 8.4 | 10.0 | 42.7 | |
| 9.3 | 22.8 | 45.4 | |
| 9.4 | 24.5 | 23.6 | |
| 8.4 | 26.9 | 7.9 | S |
| 7.4 | 27.7 | 50.0 | B |
| 9.3 | 39.2 | 5.2 | B |
| 9.4 | 47.5 | 29.9 | |
| 8.4 | 51.8 | 19.4 | B |
| 9.5 | 53.3 | 24.7 | |
| 9.2 | 54.4 | 0.0 | B |
| 10pr. | 23.81 | 1.60 | |

3881—3940

| m | 19ʰ—20ʰ | +30° | |
|---|---|---|---|
| 8.0 | 59′ 0.8″ | 5.9 | Kb |
| 9.5 | 18.7 | 15.7 | |
| 9.5 | 25.0 | 25.7 | |
| 9.4 | 47.6 | 33.6 | |
| 9.5 | 0 3.3 | 58.2 | |
| 9.5 | 5.3 | 7.7 | |
| 9.4 | 8.0 | 0.0 | αB |
| 8.9 | 9.8 | 2.5 | K |
| 9.4 | 11.8 | 55.2 | αB |
| 9.0 | 14.8 | 29.2 | |
| 9.2 | 36.4 | 11.8 | |
| 9.5 | 38.5 | 58.4 | B |
| 9.5 | 45.5 | 38.0 | |
| 9.1 | 50.8 | 5.4 | Kb |
| 8.7 | 54.2 | 47.4 | |
| 9.5 | 55.8 | 39.2 | |
| 9.5 | 59.3 | 40.9 | |
| 9.2 | 1 1.7 | 56.1 | |
| 9.3 | 3.3 | 33.7 | |
| 8.7 | 6.8 | 49.9 | K |
| 8.9 | 30.6 | 35.0 | K |
| 9.5 | 50.7 | 51.4 | |
| 9.0 | 54.4 | 52.9 | B |
| 9.1 | 58.9 | 25.1 | K |
| 9.5 | 2 2.8 | 34.2 | |
| 8.3 | 5.8 | 24.1 | K |
| 8.8 | 7.1 | 4.3 | |
| 9.2 | 10.5 | 15.7 | |
| 9.1 | 11.6 | 2.2 | α |
| 9.5 | 28.2 | 21.9 | |
| 8.7 | 35.8 | 5.6 | K |
| 9.1 | 44.4 | 15.5 | |
| 9.1 | 47.5 | 10.8 | |
| 9.0 | 57.9 | 53.0 | |
| 9.1 | 3 16.7 | 7.8 | K |
| 9.5 | 20.0 | 18.3 | α |
| 8.0 | 23.4 | 58.0 | B |
| 9.4 | 26.1 | 5.1 | |
| 9.3 | 31.8 | 46.2 | α |
| 8.8 | 46.9 | 17.7 | |
| 9.5 | 53.3 | 15.1 | |
| 8.0 | 4 20.4 | 48.0 | K |
| 9.5 | 25.0 | 8.4 | |
| 9.3 | 37.5 | 43.2 | α |
| 9.3 | 41.1 | 24.2 | K |
| 9.0 | 45.8 | 16.5 | |
| 9.0 | 46.3 | 32.3 | |
| 9.5 | 56.9 | 53.0 | B |
| 6.8 | 5 5.2 | 21.4 | K |
| 9.2 | 10.4 | 28.3 | |
| 9.3 | 17.8 | 45.3 | |
| 9.5 | 54.6 | 47.4 | |
| 8.7 | 58.5 | 56.6 | K |
| 9.3 | 59.5 | 38.7 | B |
| 9.5 | 59.8 | 1.5 | |
| 9.2 | 6 0.0 | 42.5 | K |
| 9.3 | 2.2 | 6.4 | |
| 9.5 | 14.9 | 1.3 | α |
| 9.4 | 21.5 | 19.3 | |
| 9.5 | 26.9 | 2.3 | B |
| 10pr. | 23.95 | 1.70 | |

3941—4000

| m | 20ʰ | +30° | |
|---|---|---|---|
| 9.5 | 6′ 27.0″ | 4.3 | α |
| *8.7 | 34.4 | 27.6 | |
| 9.2 | 49.8 | 49.9 | K |
| 9.2 | 57.6 | 54.3 | K |
| 9.5 | 7 3.1 | 26.9 | |
| 8.3 | 12.2 | 2.7 | Kb |
| 8.5 | 21.7 | 40.5 | |
| 9.3 | 22.6 | 17.8 | |
| 9.5 | 42.5 | 2.2 | α |
| 9.5 | 8 4.8 | 45.9 | |
| 9.3 | 10.5 | 5.1 | α |
| 9.3 | 10.5 | 0.2 | α |
| 9.0 | 23.8 | 22.4 | |
| 9.2 | 23.8 | 26.4 | |
| 8.9 | 32.0 | 27.5 | |
| 9.4 | 32.4 | 15.9 | |
| 9.1 | 33.1 | 32.0 | |
| 8.6 | 9 8.0 | 46.9 | |
| 8.3 | 16.7 | 10.4 | |
| 9.1 | 26.2 | 56.2 | |
| * 9.5 | 46.5 | 12.0 | |
| 9.0 | 47.5 | 49.8 | B |
| 9.3 | 47.7 | 42.2 | |
| 9.1 | 49.4 | 32.6 | |
| 9.4 | 50.2 | 38.4 | B |
| 8.8 | 52.3 | 17.5 | K |
| 7.7 | 55.8 | 47.6 | K |
| 9.4 | 58.8 | 3.8 | α |
| 9.5 | 10 2.7 | 54.8 | |
| 9.2 | 4.7 | 2.6 | α |
| 9.3 | 14.6 | 26.0 | |
| 9.2 | 36.8 | 14.9 | |
| 9.4 | 48.0 | 1.9 | α |
| 9.4 | 56.5 | 30.2 | |
| 9.0 | 11 22.8 | 32.3 | |
| 9.5 | 49.4 | 11.8 | |
| 9.5 | 12 1.3 | 30.1 | |
| 8.7 | 25.9 | 13.3 | |
| 9.4 | 27.7 | 37.8 | |
| 8.2 | 35.9 | 22.3 | B |
| 9.4 | 13 0.8 | 0.6 | α |
| 9.2 | 4.0 | 5.4 | α |
| 9.5 | 6.5 | 46.6 | |
| 8.8 | 26.1 | 10.3 | |
| 9.4 | 26.8 | 25.1 | |
| 9.5 | 27.2 | 32.3 | |
| 8.8 | 46.5 | 7.8 | B |
| 9.5 | 14 18.0 | 26.0 | |
| 9.4 | 40.1 | 8.8 | |
| 9.3 | 50.7 | 41.4 | |
| 8.5 | 54.8 | 19.1 | K |
| 9.5 | 15 5.2 | 25.2 | |
| 9.5 | 9.2 | 26.2 | B |
| 8.9 | 26.8 | 8.3 | K |
| 7.6 | 33.2 | 24.3 | B |
| 9.3 | 34.7 | 32.6 | |
| 9.5 | 35.0 | 0.5 | α |
| 7.4 | 37.9 | 7.9 | Kb |
| 9.4 | 41.8 | 21.0 | |
| 9.5 | 43.1 | 22.7 | |
| 10pr. | 24.08 | 1.80 | |

| 3942 α | | | | |
|---|---|---|---|---|
| 9.5 | 6 | 40.8 | 54.8 | α |
| 3960 α | | | | |
| var | 9 | 45 | 37.9 | |

| m | 20m | +30° | |
|---|---|---|---|
| **4001—4060** | | | |
| 9.5 | 15′ 56.2 | 23.7 | |
| 9.5 | 16 6.8 | 55.1 | |
| 8.8 | 20.2 | 47.7 | K |
| 9.5 | 21.4 | 37.4 | |
| 6.5 | 47.8 | 47.9 | K |
| 9.1 | 49.2 | 5.1 | |
| 9.5 | 17 10.3 | 47.8 | B |
| 9.2 | 11.7 | 7.9 | |
| 9.5 | 23.2 | 33.6 | |
| 8.4 | 32.6 | 25.8 | B |
| 8.8 | 39.1 | 10.3 | |
| 8.7 | 49.6 | 17.7 | |
| 9.5 | 53.7 | 57.7 | |
| 9.1 | 18 17.5 | 45.7 | |
| 8.0 | 29.0 | 35.1 | K |
| 9.3 | 38.8 | 52.4 | |
| 9.0 | 47.1 | 29.6 | B |
| 9.5 | 53.9 | 22.8 | |
| 9.5 | 54.8 | 5.7 | |
| 9.2 | 56.8 | 5.0 | aB |
| 9.1 | 19 5.9 | 34.3 | |
| 9.0 | 8.7 | 56.3 | B |
| 7.8 | 9.5 | 5.6 | K |
| 9.0 | 13.6 | 41.8 | B |
| 9.5 | 22.8 | 19.9 | |
| 9.5 | 26.7 | 3.5 | |
| 9.4 | 46.1 | 42.4 | |
| 9.4 | 47.4 | 14.5 | B |
| 9.4 | 20 4.5 | 46.2 | |
| 9.2 | 10.2 | 58.2 | |
| 9.5 | 11.2 | 17.3 | |
| 9.3 | 12.2 | 1.6 | a |
| 9.2 | 20.6 | 54.5 | aB |
| 8.8 | 35.7 | 50.1 | |
| 9.5 | 47.8 | 7.6 | B |
| 8.7 | 21 16.9 | 50.4 | K |
| 9.4 | 20.6 | 45.2 | |
| 9.0 | 55.7 | 3.7 | B |
| 9.5 | 57.7 | 6.0 | a |
| 9.2 | 57.8 | 19.0 | |
| 9.2 | 58.0 | 32.6 | B |
| 9.5 | 22 8.2 | 59.5 | |
| 9.1 | 20.5 | 25.0 | |
| 9.5 | 23.0 | 54.7 | |
| 8.7 | 37.1 | 32.1 | K |
| 9.5 | 37.5 | 12.8 | aB |
| 8.8 | 42.4 | 49.7 | |
| 9.3 | 50.3 | 55.6 | |
| 9.4 | 50.7 | 58.0 | |
| 9.0 | 54.6 | 42.4 | |
| 9.3 | 23 21.0 | 54.6 | |
| 9.2 | 32.2 | 19.6 | |
| 9.4 | 41.8 | 36.3 | |
| 9.5 | 59.1 | 47.6 | |
| 7.9 | 24 3.4 | 4.4 | K |
| 9.5 | 6.8 | 2.7 | a |
| 8.4 | 16.5 | 26.4 | K |
| 9.5 | 57.7 | 31.3 | |
| 9.4 | 25 21.6 | 7.3 | |
| 9.3 | 23.8 | 47.1 | b |
| | + | + | |
| 10pr. | 24.27 | 1.92 | |

| m | 20m | +30° | |
|---|---|---|---|
| **4061—4120** | | | |
| 9.5 | 25′ 32.1 | 0.4 | |
| 9.5 | 43.5 | 24.4 | |
| 9.5 | 44.2 | 57.1 | |
| 9.2 | 54.0 | 42.4 | |
| 9.5 | 55.3 | 57.8 | |
| 9.4 | 26 26.8 | 30.3 | |
| 9.3 | 30.9 | 36.0 | |
| 9.5 | 58.5 | 27.1 | |
| 9.0 | 27 9.7 | 26.6 | |
| 9.5 | 25.0 | 31.3 | |
| 8.8 | 30.6 | 16.3 | B |
| 9.5 | 33.0 | 30.1 | |
| 9.4 | 35.5 | 58.9 | |
| 9.5 | 41.7 | 23.8 | |
| 9.4 | 49.1 | 39.0 | |
| 9.5 | 55.3 | 16.2 | aB |
| 9.3 | 57.1 | 16.9 | |
| 9.4 | 28 14.4 | 47.4 | |
| 9.1 | 22.0 | 30.4 | b |
| 9.5 | 28.9 | 32.4 | |
| 9.5 | 29.2 | 11.4 | |
| 9.4 | 37.5 | 33.7 | aB |
| 9.4 | 40.8 | 20.0 | |
| 9.5 | 52.8 | 46.9 | |
| 9.5 | 53.5 | 59.5 | B |
| 9.0 | 54.4 | 15.7 | |
| 9.0 | 29 11.0 | 0.5 | |
| 9.5 | 11.0 | 29.9 | |
| 9.5 | 12.7 | 23.0 | |
| 9.4 | 35.2 | 57.6 | |
| 9.4 | 39.8 | 49.6 | |
| 9.1 | 56.6 | 31.1 | |
| 9.5 | 58.4 | 3.8 | |
| 9.5 | 30 5.5 | 35.0 | |
| 9.3 | 13.3 | 9.3 | |
| 9.5 | 35.6 | 42.4 | |
| 8.8 | 40.8 | 17.2 | |
| 9.5 | 47.7 | 12.0 | |
| 8.9 | 50.0 | 54.2 | |
| 9.2 | 59.5 | 55.2 | |
| 9.5 | 31 11.8 | 2.3 | a |
| 9.0 | 24.8 | 21.9 | |
| 9.4 | 25.8 | 23.6 | |
| 9.5 | 29.6 | 20.1 | |
| 8.4 | 33.5 | 35.4 | |
| 8.0 | 35.7 | 29.9 | B |
| 9.4 | 52.8 | 45.9 | |
| 7.2 | 32 11.0 | 4.4 | L |
| 8.5 | 14.9 | 37.8 | K |
| 9.4 | 23.8 | 50.6 | aB |
| 9.4 | 28.2 | 47.1 | |
| 9.4 | 30.1 | 8.6 | |
| 9.2 | 31.2 | 48.0 | |
| 9.1 | 37.3 | 54.3 | |
| 9.0 | 45.1 | 56.5 | |
| 9.5 | 50.0 | 3.2 | |
| 9.5 | 54.8 | 14.6 | |
| 9.5 | 33 2.5 | 13.9 | |
| 8.3 | 4.5 | 33.6 | K |
| 9.5 | 14.8 | 49.9 | |
| | + | + | |
| 10pr. | 24.47 | 2.03 | |

| m | 20m | +30° | |
|---|---|---|---|
| **4121—4180** | | | |
| 9.5 | 33′ 24.0 | 53.1 | |
| 8.5 | 29.8 | 38.0 | K |
| 8.1 | 32.7 | 35.8 | K |
| 9.5 | 37.6 | 6.2 | |
| 9.3 | 37.8 | 15.9 | aB |
| 7.5 | 39.4 | 18.7 | K |
| 9.3 | 45.0 | 13.6 | |
| 9.0 | 56.8 | 6.2 | B |
| 9.4 | 34 9.2 | 13.8 | |
| 9.1 | 20.4 | 29.9 | |
| 9.2 | 27.9 | 55.6 | |
| 9.5 | 32.4 | 52.3 | |
| 9.2 | 40.0 | 20.4 | |
| 8.3 | 40.9 | 50.8 | B |
| 9.3 | 41.5 | 27.3 | |
| 9.5 | 35 9.7 | 2.4 | |
| 9.5 | 21.9 | 30.5 | |
| 7.5 | 22.3 | 44.6 | L |
| 9.5 | 23.6 | 18.1 | |
| 9.2 | 39.0 | 49.7 | |
| 9.4 | 51.2 | 48.0 | |
| 9.4 | 51.5 | 41.0 | B |
| 9.3 | 53.1 | 43.3 | |
| 9.2 | 55.1 | 18.4 | aB |
| 6.8 | 36 6.8 | 47.7 | K |
| 9.0 | 9.6 | 18.8 | B |
| 9.5 | 18.2 | 56.6 | |
| 9.0 | 21.0 | 35.3 | |
| 9.1 | 24.6 | 31.8 | |
| 9.5 | 37 20.0 | 31.0 | |
| 9.2 | 25.9 | 40.1 | b |
| 9.3 | 33.1 | 31.0 | |
| 9.5 | 34.0 | 40.1 | |
| 9.5 | 51.6 | 54.9 | |
| 9.3 | 56.1 | 47.4 | |
| 9.5 | 57.8 | 5.7 | |
| 9.3 | 38 24.0 | 0.7 | a |
| 8.7 | 31.3 | 59.2 | |
| 9.2 | 31.7 | 52.1 | |
| 8.7 | 41.3 | 17.8 | |
| 9.1 | 54.5 | 29.9 | a |
| 9.1 | 56.8 | 17.7 | |
| 9.0 | 39 4.7 | 22.6 | |
| 9.5 | 18.4 | 46.6 | |
| 9.5 | 29.6 | 55.2 | |
| 8.5 | 32.8 | 30.3 | |
| 4.3 | 40.0 | 11.3 | Kb |
| 9.5 | 48.0 | 1.3 | a |
| 8.5 | 50.5 | 7.8 | K |
| 9.0 | 40 13.4 | 47.4 | |
| 9.5 | 50.9 | 20.2 | |
| 9.0 | 41 1.7 | 23.7 | |
| 8.8 | 21.6 | 31.8 | |
| 9.5 | 23.9 | 57.2 | |
| 9.4 | 28.4 | 22.1 | B |
| 9.4 | 48.1 | 6.0 | |
| 9.5 | 48.5 | 23.2 | |
| 9.5 | 52.0 | 9.5 | |
| 9.5 | 52.5 | 24.9 | |
| 9.4 | 42 2.3 | 27.8 | |
| | + | + | |
| 10pr. | 24.64 | 2.12 | |

| m | 20m | +30° | |
|---|---|---|---|
| **4181—4240** | | | |
| 9.4 | 42′ 17.9 | 35.0 | |
| 9.5 | 20.0 | 40.0 | |
| 9.4 | 21.8 | 52.6 | |
| 8.3 | 31.0 | 58.3 | K |
| 7.5 | 37.8 | 15.3 | L |
| 9.5 | 56.4 | 54.8 | |
| 9.5 | 43 0.5 | 45.9 | |
| 9.1 | 3.7 | 53.6 | a |
| 9.0 | 5.9 | 32.6 | |
| 8.7 | 12.8 | 50.9 | K |
| 8.1 | 35.8 | 6.5 | K |
| 9.3 | 37.4 | 41.1 | |
| 9.5 | 37.4 | 42.3 | |
| 9.5 | 40.6 | 28.3 | |
| 9.5 | 44 5.9 | 6.6 | |
| 9.1 | 9.7 | 30.2 | a |
| 7.7 | 24.8 | 48.9 | B |
| 9.2 | 25.6 | 4.1 | aB |
| 7.0 | 35.6 | 22.5 | K |
| 9.1 | 37.0 | 10.9 | |
| 8.9 | 38.3 | 32.4 | K |
| 9.5 | 39.1 | 39.7 | |
| 9.5 | 53.5 | 55.8 | |
| 9.4 | 53.8 | 35.3 | |
| 9.1 | 45 10.7 | 7.7 | |
| 9.5 | 20.0 | 37.8 | |
| 9.2 | 40.5 | 11.6 | |
| 9.5 | 46 1.8 | 10.6 | |
| 9.5 | 11.2 | 0.4 | |
| 9.0 | 13.8 | 5.4 | |
| 9.5 | 14.1 | 47.4 | |
| 9.4 | 22.7 | 48.4 | |
| 9.4 | 27.4 | 7.9 | |
| 9.5 | 30.5 | 26.7 | |
| 9.4 | 38.0 | 37.0 | |
| 9.5 | 48.3 | 12.8 | |
| 9.4 | 47 2.0 | 56.9 | |
| 7.7 | 32.2 | 24.4 | L |
| 8.5 | 34.3 | 58.0 | |
| 9.5 | 48.1 | 1.0 | a |
| 9.3 | 48.2 | 30.9 | |
| 9.3 | 48.2 | 31.5 | |
| 9.2 | 56.9 | 13.1 | |
| 9.5 | 59.6 | 16.0 | |
| 8.8 | 48 0.7 | 45.1 | B |
| 9.3 | 3.9 | 29.9 | |
| 9.3 | 4.8 | 50.6 | |
| 9.5 | 6.8 | 43.2 | |
| 9.1 | 10.9 | 31.2 | B |
| 9.5 | 26.9 | 59.4 | |
| 9.4 | 30.1 | 12.7 | |
| 9.5 | 32.5 | 18.8 | |
| 9.3 | 32.4 | 48.1 | B |
| 9.5 | 49 0.8 | 17.8 | B |
| 9.1 | 10.0 | 15.4 | B |
| 9.5 | 16.3 | 10.6 | |
| 9.4 | 31.6 | 7.1 | |
| 9.5 | 34.8 | 52.1 | |
| 8.9 | 35.4 | 12.8 | |
| 9.5 | 57.8 | 35.8 | |
| | + | + | |
| 10pr. | 24.83 | 2.22 | |

| m | 20m | +30° | |
|---|---|---|---|
| **4241—4300** | | | |
| 9.5 | 50′ 9.5 | 9.9 | |
| 9.0 | 21.8 | 17.8 | K |
| 9.5 | 31.8 | 17.8 | a |
| 9.0 | 41.4 | 7.9 | |
| 9.3 | 49.5 | 27.6 | |
| 9.5 | 57.1 | 50.6 | B |
| 9.5 | 51 2.1 | 53.0 | |
| 9.5 | 4.7 | 34.1 | |
| 9.5 | 12.3 | 28.0 | |
| 9.5 | 27.6 | 8.4 | |
| 9.2 | 36.5 | 43.5 | |
| 9.4 | 55.4 | 25.7 | |
| 9.5 | 57.9 | 58.6 | |
| 8.0 | 52 2.3 | 45.0 | L |
| 9.0 | 3.1 | 48.0 | |
| 9.5 | 8.0 | 20.8 | |
| 9.5 | 9.2 | 32.9 | |
| 9.1 | 21.8 | 4.6 | B |
| 8.3 | 23.3 | 3.8 | B |
| 9.3 | 26.0 | 25.0 | |
| 9.5 | 51.1 | 10.6 | |
| 7.9 | 53.4 | 54.8 | K |
| 9.5 | 53 1.9 | 22.7 | |
| 9.5 | 4.4 | 46.8 | B |
| 9.2 | 17.5 | 27.6 | |
| 9.1 | 33.2 | 5.4 | |
| 8.9 | 35.8 | 42.2 | |
| 9.4 | 41.8 | 13.5 | B |
| 9.5 | 44.5 | 14.3 | |
| 9.5 | 44.9 | 28.3 | |
| 9.5 | 47.3 | 52.6 | B |
| 9.5 | 47.8 | 53.5 | |
| 9.3 | 52.5 | 25.4 | |
| 9.3 | 58.7 | 30.8 | |
| 9.5 | 54 7.3 | 29.9 | |
| 8.5 | 23.6 | 20.3 | R |
| 9.5 | 26.4 | 43.0 | |
| 9.5 | 31.1 | 26.9 | |
| 9.5 | 47.3 | 10.6 | |
| 9.3 | 47.8 | 59.4 | |
| 9.3 | 55 5.6 | 39.7 | |
| 9.2 | 7.5 | 42.7 | |
| 9.5 | 14.7 | 27.6 | B |
| 9.5 | 20.7 | 32.8 | |
| 8.6 | 21.5 | 49.9 | K |
| 9.5 | 26.0 | 18.8 | |
| 9.3 | 30.4 | 12.8 | a |
| 9.2 | 30.8 | 46.9 | |
| 9.0 | 55.7 | 17.8 | |
| 9.5 | 56 1.1 | 7.3 | a |
| 9.5 | 2.9 | 55.0 | |
| 9.5 | 18.0 | 57.8 | |
| 8.0 | 29.8 | 6.9 | Kb |
| 8.5 | 41.4 | 54.6 | |
| 9.4 | 50.7 | 44.3 | |
| 9.4 | 53.1 | 25.3 | |
| 9.3 | 57 10.6 | 24.5 | B |
| 9.3 | 16.4 | 48.1 | |
| 7.5 | 35.6 | 29.6 | K |
| 9.5 | 36.1 | 7.1 | |
| | + | + | |
| 10pr. | 25.00 | 2.30 | |

| | | | | |
|---|---|---|---|---|
| 4010 a | | | | |
| 9.1 | 17 | 33.7 | 24.7 | B |

| 4301—4360 | | | | 4361—4420 | | | | 4421—4480 | | | | 4481—4540 | | | | 4541—4600 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20h—21h | +30° | | | 21h | +30° | | | 21h | +30° | | | 21h | +30° | | | 21h | +30° | |
| m | | ′ ″ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 57 36.9 | 3.9 | α | 9.3 | 7 33.8 | 15.7 | | 7.8 | 17 17.0 | 29.1 | L | 8.5 | 29 43.5 | 57.6 | K | 8.8 | 43 56.3 | 15.1 | |
| 8.9 | 43.3 | 54.6 | K | 9.0 | 49.6 | 56.5 | | 9.5 | 26.2 | 37.1 | | 9.2 | 55.0 | 8.3 | | 8.5 | 44 9.4 | 11.8 | |
| 9.3 | 44.4 | 50.1 | | 9.5 | 53.5 | 2.8 | | 9.3 | 32.7 | 54.2 | | 9.4 | 30 7.7 | 58.1 | αB | 9.0 | 23.5 | 2.9 | B |
| 9.0 | 58 12.9 | 32.1 | | 9.5 | 56.7 | 18.0 | | 9.1 | 37.3 | 2.8 | R | 9.5 | 19.7 | 54.1 | | 9.4 | 27.7 | 1.4 | α |
| 9.5 | 24.8 | 41.0 | | 7.8 | 8 1.5 | 22.4 | K | 9.3 | 54.0 | 41.3 | | 9.5 | 22.6 | 19.2 | | 9.3 | 41.8 | 14.7 | |
| 9.0 | 34.3 | 37.8 | | 8.2 | 11.0 | 2.1 | B | 9.3 | 55.2 | 35.2 | | 9.0 | 22.9 | 47.4 | | 9.0 | 45.1 | 59.2 | |
| 8.3 | 35.4 | 20.8 | | 9.2 | 24.6 | 12.3 | | 9.5 | 18 3.8 | 59.9 | | 9.5 | 31.2 | 2.5 | α | 9.4 | 56.8 | 11.7 | |
| 9.5 | 40.5 | 55.5 | | 9.0 | 30.6 | 37.0 | | 6.7 | 10.3 | 18.5 | K | 9.4 | 40.8 | 58.2 | | 9.5 | 45 16.2 | 54.7 | |
| 9.5 | 44.9 | 30.4 | | 9.5 | 59.1 | 7.8 | | 9.5 | 12.6 | 8.2 | B | 9.3 | 31 14.4 | 25.3 | | 9.5 | 46 31.3 | 42.9 | |
| 9.5 | 52.3 | 3.5 | | 9.5 | 9 12.8 | 14.7 | | 8.8 | 40.2 | 34.7 | | 9.5 | 32 4.8 | 3.8 | | 8.9 | 36.3 | 17.0 | |
| 9.4 | 59 12.7 | 32.6 | | 9.5 | 20.0 | 37.3 | | 8.4 | 56.6 | 51.0 | K | 8.4 | 21.3 | 20.4 | K | 8.6 | 37.2 | 6.8 | R |
| 9.4 | 20.5 | 39.7 | | 9.4 | 28.8 | 52.5 | B | 9.4 | 19 6.3 | 3.0 | α | 8.8 | 21.9 | 33.3 | | 9.4 | 47 19.5 | 7.7 | |
| 8.4 | 39.5 | 59.5 | K | 8.8 | 51.3 | 30.3 | | 9.5 | 15.1 | 50.4 | | 9.2 | 38.8 | 37.7 | | 9.5 | 55.3 | 0.6 | |
| 8.5 | 39.8 | 13.1 | | 9.5 | 57.4 | 13.6 | | 8.5 | 31.2 | 2.8 | | 9.2 | 53.2 | 36.2 | | 8.0 | 48 9.0 | 55.2 | B |
| 9.4 | 53.6 | 0.8 | B | 9.5 | 59.7 | 27.1 | | 9.5 | 20 1.9 | 7.3 | | 8.7 | 56.9 | 7.4 | | 9.5 | 12.4 | 2.8 | |
| 8.6 | 57.2 | 33.9 | B | 8.9 | 10 2.8 | 40.8 | | 9.0 | 4.3 | 55.0 | | 8.1 | 33 6.5 | 52.7 | B | 8.2 | 30.9 | 57.0 | B |
| 9.4 | 0 4.9 | 36.4 | B | 9.5 | 4.8 | 33.7 | | 9.1 | 13.5 | 15.3 | | 9.2 | 18.2 | 7.8 | | 8.8 | 54.1 | 27.1 | |
| 5.6 | 25.8 | 36.3 | K | 9.5 | 8.2 | 56.3 | | 9.0 | 28.8 | 12.4 | | 8.4 | 28.3 | 28.9 | K | 7.8 | 59.5 | 8.5 | Kb |
| 9.5 | 31.6 | 49.3 | | 8.0 | 11.6 | 46.0 | K | 9.2 | 42.2 | 0.1 | Rb | 8.7 | 51.4 | 47.8 | | 9.3 | 49 26.2 | 59.1 | αB |
| 9.2 | 34.8 | 7.4 | | 9.5 | 20.2 | 24.9 | | 9.5 | 43.8 | 33.6 | | 9.4 | 34 32.2 | 38.6 | | 7.7 | 26.6 | 35.1 | K |
| 9.5 | 53.8 | 42.5 | | 9.5 | 41.3 | 39.2 | | 9.5 | 52.1 | 19.1 | B | 8.9 | 36.8 | 44.4 | | 9.2 | 35.9 | 18.8 | αB |
| 7.0 | 1 2.3 | 0.8 | Kb | 9.3 | 41.6 | 26.2 | | 9.2 | 54.2 | 39.2 | B | 8.3 | 47.9 | 55.0 | K | 9.0 | 50 7.2 | 11.2 | |
| 9.0 | 4.8 | 17.8 | | 9.5 | 48.1 | 40.7 | | 9.5 | 21 0.8 | 19.2 | B | 9.5 | 35 6.9 | 42.5 | | 9.4 | 10.8 | 47.4 | |
| 9.2 | 15.8 | 33.1 | | 9.4 | 55.4 | 52.3 | | 9.5 | 15.1 | 46.3 | | 9.2 | 23.7 | 52.5 | αB | 9.3 | 18.2 | 27.9 | αB |
| 8.6 | 16.3 | 57.6 | K | 9.5 | 57.5 | 38.4 | | 9.5 | 30.6 | 35.2 | | 9.5 | 25.2 | 48.2 | | 9.5 | 45.3 | 22.7 | |
| 9.2 | 17.9 | 32.9 | | 8.0 | 11 2.5 | 5.7 | B | 8.4 | 43.8 | 43.9 | K | 9.2 | 45.3 | 39.5 | αB | 9.2 | 49.1 | 58.1 | |
| 9.0 | 21.1 | 4.9 | K | 9.5 | 17.3 | 23.5 | | 9.5 | 22 22.9 | 26.6 | | 9.0 | 57.1 | 51.2 | | 9.5 | 51 1.3 | 35.3 | |
| 9.0 | 22.9 | 27.4 | | 9.2 | 22.7 | 37.2 | | 9.5 | 34.7 | 6.7 | | 9.5 | 36 1.3 | 21.7 | | 9.0 | 5.4 | 29.1 | |
| 9.3 | 25.3 | 30.0 | | 8.0 | 25.4 | 33.0 | | 9.0 | 39.3 | 22.4 | | 8.7 | 6.3 | 50.1 | B | 9.1 | 24.8 | 48.8 | |
| 9.2 | 32.2 | 5.5 | α | 9.2 | 30.3 | 20.5 | | 9.1 | 56.1 | 51.8 | | 8.3 | 16.9 | 39.1 | K | 9.4 | 31.5 | 24.3 | |
| 9.1 | 34.6 | 10.5 | | 9.4 | 43.5 | 51.9 | | 8.5 | 23 2.8 | 9.8 | K | 9.5 | 25.8 | 14.3 | | 9.1 | 50.3 | 6.8 | α |
| 9.0 | 2 0.4 | 52.2 | | 9.5 | 45.8 | 26.9 | | 8.5 | 22.2 | 6.0 | K | 9.2 | 28.8 | 4.0 | b | 9.4 | 51.7 | 47.5 | |
| 9.2 | 2.3 | 50.7 | | 7.8 | 51.0 | 12.4 | K | 9.3 | 36.0 | 51.4 | | 9.5 | 45.4 | 15.3 | | 8.6 | 52 1.5 | 55.3 | |
| 9.3 | 38.3 | 35.6 | | 9.2 | 51.3 | 44.1 | | 9.5 | 49.1 | 22.8 | | 9.5 | 37 51.0 | 41.8 | | 8.8 | 20.4 | 7.8 | |
| 9.4 | 43.6 | 27.0 | | 9.5 | 57.2 | 22.3 | | 8.0 | 52.5 | 11.2 | K | 8.7 | 38 2.8 | 50.7 | K | 9.2 | 20.7 | 25.6 | αBb |
| 8.3 | 3 12.6 | 55.6 | | 9.0 | 13 22.0 | 21.1 | | 9.3 | 24 1.4 | 51.1 | | 9.3 | 9.1 | 46.6 | α | 9.5 | 26.8 | 1.2 | |
| 9.5 | 29.4 | 51.3 | | 9.5 | 26.0 | 4.3 | α | 9.5 | 9.7 | 54.9 | | 9.4 | 11.9 | 16.0 | αB | 9.5 | 27.1 | 51.5 | |
| 9.5 | 45.3 | 27.0 | | 8.8 | 34.8 | 34.0 | | 9.5 | 11.6 | 19.3 | | 9.3 | 34.3 | 42.9 | | 9.5 | 41.5 | 20.1 | |
| 9.5 | 51.3 | 33.1 | α | 9.5 | 14 2.0 | 33.0 | | 9.5 | 13.7 | 36.0 | | 9.1 | 39 9.5 | 56.8 | | 9.4 | 42.6 | 41.3 | |
| 9.0 | 4 19.4 | 30.5 | | 9.5 | 3.4 | 16.7 | B | 9.0 | 16.5 | 2.2 | | 9.1 | 33.5 | 16.9 | b | 9.3 | 53 20.4 | 37.5 | |
| 9.0 | 51.5 | 43.8 | | 9.3 | 9.4 | 16.8 | B | 9.5 | 29.6 | 26.1 | | 8.3 | 40 4.1 | 47.2 | | 9.5 | 20.6 | 16.5 | |
| 9.0 | 5 7.9 | 18.4 | | 9.3 | 18.1 | 36.8 | | 9.3 | 29.7 | 31.1 | | 9.3 | 8.4 | 33.3 | | 9.4 | 47.9 | 13.8 | αB |
| 9.3 | 17.6 | 28.9 | αB | 9.5 | 27.5 | 20.2 | | 9.4 | 50.2 | 11.8 | | 8.9 | 34.3 | 3.2 | B | 9.4 | 54 8.0 | 4.2 | α |
| 9.5 | 18.7 | 8.0 | | 9.3 | 41.5 | 44.0 | αB | 9.5 | 55.9 | 46.2 | | 9.3 | 41 3.1 | 16.3 | | 7.2 | 21.0 | 44.0 | K |
| 9.1 | 24.4 | 44.5 | | 9.5 | 53.0 | 55.9 | | 9.5 | 25 17.8 | 20.1 | | 8.7 | 13.2 | 38.9 | | 9.4 | 22.2 | 33.0 | |
| 9.2 | 32.4 | 25.4 | | 9.5 | 59.6 | 16.8 | | 9.3 | 31.1 | 33.0 | B | 9.5 | 19.9 | 9.9 | αB | 7.0 | 28.3 | 50.5 | K |
| 9.5 | 34.4 | 7.6 | B | 9.1 | 15 20.7 | 15.0 | | 8.9 | 37.9 | 33.1 | B | 8.1 | 19.9 | 51.7 | K | 8.3 | 30.5 | 2.5 | K |
| 9.4 | 38.0 | 29.5 | | 9.0 | 28.5 | 47.9 | | 9.5 | 43.9 | 47.9 | | 9.5 | 20.8 | 2.0 | α | 9.3 | 55 50.8 | 39.1 | |
| 9.0 | 39.3 | 22.8 | | 9.4 | 33.0 | 44.1 | | 8.8 | 59.3 | 55.6 | | 9.5 | 31.3 | 36.0 | | 9.4 | 54.3 | 43.2 | |
| 9.5 | 42.0 | 33.4 | | 8.4 | 33.4 | 10.7 | K | 9.1 | 27 1.8 | 18.9 | b | 9.3 | 42.6 | 41.9 | | 9.5 | 58.3 | 52.9 | |
| 7.0 | 48.3 | 1.3 | K | 9.2 | 56.3 | 18.6 | | 9.5 | 22.9 | 33.8 | | 9.5 | 50.8 | 36.0 | | 7.7 | 56 21.0 | 4.5 | K |
| 8.2 | 6 13.8 | 18.9 | K | 9.1 | 56.5 | 49.9 | | 8.8 | 28 27.2 | 2.7 | | 9.1 | 42 4.8 | 47.9 | αB | 9.4 | 23.8 | 43.0 | |
| 9.4 | 29.4 | 46.2 | | 9.2 | 16 9.4 | 50.8 | | 9.5 | 29.8 | 7.8 | | 9.3 | 7.2 | 57.4 | | 9.1 | 26.3 | 27.1 | |
| 9.1 | 33.5 | 49.7 | | 9.4 | 21.0 | 59.0 | | 8.7 | 31.6 | 15.6 | K | 9.0 | 15.0 | 26.0 | | 8.2 | 52.3 | 17.1 | K |
| 9.5 | 41.5 | 26.6 | | 8.8 | 28.6 | 4.4 | K | 9.5 | 42.1 | 22.2 | | 9.3 | 23.8 | 5.7 | | 9.3 | 57 16.5 | 58.4 | |
| 7.5 | 48.7 | 12.3 | K | 9.5 | 29.2 | 35.8 | | 9.0 | 29 4.9 | 11.4 | | 9.2 | 50.1 | 47.3 | | 9.5 | 27.3 | 56.7 | |
| 9.5 | 49.3 | 2.0 | | 9.2 | 35.7 | 3.8 | R | 9.3 | 5.8 | 24.4 | | 9.0 | 43 1.5 | 4.8 | K | 8.2 | 30.2 | 10.9 | K |
| 9.2 | 58.3 | 50.4 | | 9.3 | 35.8 | 7.7 | α | 9.2 | 28.6 | 25.0 | | 9.2 | 2.5 | 5.2 | K | 9.4 | 42.7 | 49.3 | αB |
| 9.5 | 7 14.8 | 40.0 | | 9.1 | 17 8.8 | 16.6 | | 8.0 | 29.2 | 21.4 | K | 9.1 | 11.3 | 17.9 | | 9.4 | 50.3 | 19.0 | αB |
| 8.9 | 29.9 | 20.5 | K | 9.0 | 11.5 | 36.8 | | 8.3 | 37.5 | 33.6 | B | 9.5 | 56.2 | 1.5 | | 9.3 | 55.3 | 55.6 | α |
| | → | → | | | → | → | | | → | → | | | → | → | | | → | → | |
| 10pr. | 25.19 | 2.38 | | 10pr. | 25.44 | 2.48 | | 10pr. | 25.74 | 2.59 | | 10pr. | 26.10 | 2.71 | | 10pr. | 26.54 | 2.83 | |

4601—4660

| | 21ʰ—22ʰ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 57 58.7 | 25.7 | |
| 9.3 | 59.5 | 19.0 | αB |
| 9.1 | 58 6.3 | 8.4 | |
| 8.8 | 21.0 | 4.6 | B |
| 9.5 | 55.6 | 5.6 | |
| 9.5 | 59 1.8 | 57.4 | |
| 9.5 | 21.0 | 18.3 | |
| 9.4 | 25.1 | 10.2 | αB |
| 9.3 | 41.2 | 54.3 | αB |
| 9.5 | 44.1 | 48.4 | |
| 9.4 | 45.0 | 54.4 | B |
| 8.5 | 45.0 | 25.6 | K |
| 9.5 | 54.0 | 59.7 | |
| 8.0 | 0 2.8 | 13.3 | L |
| 9.4 | 1 40.0 | 46.7 | *B* |
| 9.5 | 2 25.5 | 12.6 | |
| 9.1 | 40.2 | 9.6 | α |
| 9.4 | 3 3.8 | 47.4 | |
| 9.0 | 6.2 | 57.1 | |
| 9.5 | 15.8 | 49.5 | |
| 9.2 | 49.8 | 43.6 | |
| 8.9 | 55.4 | 56.8 | |
| 8.2 | 58.9 | 6.2 | K |
| 9.5 | 4 9.8 | 15.5 | |
| 9.5 | 26.3 | 48.1 | |
| 9.4 | 46.3 | 37.5 | |
| 9.5 | 50.6 | 49.2 | |
| 9.5 | 5 2.8 | 44.8 | |
| 9.4 | 3.7 | 44.0 | B |
| 9.5 | 9.1 | 45.5 | |
| 9.2 | 13.3 | 3.0 | |
| 9.4 | 27.5 | 4.7 | |
| 9.5 | 37.5 | 51.9 | |
| 9.5 | 38.5 | 53.1 | |
| 9.2 | 42.4 | 4.9 | Kb |
| 9.5 | 57.9 | 38.7 | |
| 9.3 | 6 16.8 | 34.7 | B |
| 9.4 | 19.3 | 27.4 | |
| 9.5 | 21.5 | 49.1 | |
| 9.3 | 22.2 | 4.9 | |
| 9.0 | 23.4 | 12.0 | |
| 9.4 | 26.8 | 33.9 | |
| 9.5 | 28.4 | 55.9 | |
| 8.7 | 30.6 | 14.8 | K |
| 9.5 | 36.9 | 50.0 | B |
| 9.5 | 37.5 | 48.1 | |
| 8.8 | 41.4 | 6.7 | |
| 9.3 | 43.3 | 49.9 | B |
| 9.5 | 44.2 | 56.6 | |
| 7.8 | 49.9 | 39.8 | K |
| * | | | |
| 8.2 | 7 3.0 | 55.4 | K |
| 8.7 | 32.7 | 40.8 | K |
| 9.5 | 52.9 | 25.3 | |
| 9.5 | 53.1 | 42.5 | |
| 8.9 | 8 0.5 | 3.5 | Kb |
| 9.4 | 2.1 | 38.3 | |
| 8.1 | 3.8 | 49.9 | K |
| 9.2 | 18.7 | 31.4 | |
| 9.5 | 32.6 | 23.0 | |
| 8.6 | 46.6 | 15.1 | |
| | + | + | |
| *10pr.* | *26.94* | *2.93* | |

4661—4720

| | 22ʰ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 9 0.8 | 45.7 | |
| 7.8 | 16.1 | 35.4 | K |
| 8.7 | 19.9 | 42.0 | K |
| 9.4 | 25.0 | 17.3 | |
| 9.2 | 52.5 | 52.3 | |
| 9.5 | 10 23.8 | 12.0 | |
| 9.5 | 43.3 | 15.0 | |
| 8.5 | 11 3.5 | 39.8 | K |
| 8.8 | 4.7 | 5.7 | |
| 8.5 | 12.1 | 31.6 | |
| 8.6 | 16.0 | 45.7 | K |
| 9.1 | 16.3 | 50.6 | |
| 9.1 | 24.2 | 47.6 | K |
| 9.5 | 45.1 | 48.8 | |
| 9.3 | 12 1.4 | 20.3 | |
| 9.5 | 14.6 | 20.3 | |
| 9.5 | 13 2.9 | 57.6 | |
| 9.5 | 4.0 | 4.5 | α |
| 9.2 | 6.5 | 22.8 | K |
| 9.5 | 13.6 | 6.0 | αB |
| 8.7 | 27.5 | 25.2 | K |
| 8.9 | 29.3 | 41.3 | |
| 9.4 | 52.5 | 15.1 | |
| 9.5 | 14 24.2 | 5.7 | |
| 7.0 | 27.0 | 34.8 | K |
| 9.4 | 28.3 | 14.8 | |
| 9.4 | 49.7 | 46.6 | |
| 9.5 | 52.5 | 34.8 | |
| 9.5 | 52.9 | 16.5 | |
| 9.5 | 58.2 | 51.0 | |
| 9.3 | 59.7 | 49.0 | αB |
| 9.5 | 15 14.3 | 24.6 | |
| 9.5 | 19.5 | 43.7 | |
| 9.4 | 56.6 | 34.1 | |
| 7.5 | 16 2.5 | 0.9 | K |
| 9.5 | 17.8 | 44.4 | |
| 9.5 | 17.9 | 12.8 | |
| 8.0 | 43.5 | 46.6 | *B* |
| 9.5 | 49.9 | 5.1 | |
| 9.5 | 52.6 | 2.1 | |
| 9.4 | 17 5.7 | 45.5 | |
| 9.5 | 7.5 | 23.0 | |
| 6.6 | 19.5 | 31.6 | Rb |
| 9.3 | 18 37.2 | 40.6 | *b* |
| 9.5 | 41.4 | 8.2 | |
| 9.3 | 59.8 | 3.3 | |
| 9.3 | 19 7.7 | 26.5 | |
| 9.3 | 20.9 | 33.2 | |
| 9.3 | 38.1 | 9.9 | |
| 8.3 | 51.2 | 12.6 | K |
| 6.7 | 20 22.6 | 13.3 | K |
| 9.0 | 38.5 | 11.9 | |
| 9.0 | 21 0.0 | 56.1 | |
| 9.5 | 6.3 | 39.1 | |
| 9.5 | 44.5 | 3.3 | |
| 9.5 | 47.0 | 47.1 | |
| 9.2 | 47.2 | 40.1 | |
| 9.0 | 54.3 | 38.1 | |
| 8.8 | 22 9.4 | 55.6 | |
| 9.4 | 20.3 | 26.6 | αB |
| | + | + | |
| *10pr.* | *27.23* | *2.99* | |

4721—4780

| | 22ʰ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 22 21.1 | 30.1 | |
| 8.2 | 40.5 | 57.8 | |
| 9.1 | 23 4.4 | 3.9 | α |
| 9.3 | 10.7 | 57.6 | |
| 9.5 | 14.0 | 1.0 | |
| 7.0 | 29.5 | 28.2 | K |
| 9.5 | 50.8 | 4.5 | |
| 9.5 | 24 59.1 | 0.5 | |
| 8.8 | 25 16.3 | 4.3 | B |
| 9.3 | 27.8 | 22.8 | |
| 9.5 | 29.3 | 52.2 | |
| 7.8 | 26 27.2 | 39.9 | K |
| 7.5 | 52.5 | 32.4 | K |
| 9.3 | 58.1 | 3.7 | |
| 8.5 | 58.8 | 49.2 | |
| 9.3 | 27 4.6 | 5.0 | α |
| 8.8 | 7.3 | 51.7 | |
| 9.5 | 18.7 | 16.8 | |
| 8.8 | 27.4 | 30.6 | |
| 9.3 | 44.6 | 48.1 | α |
| 8.8 | 28 0.4 | 46.9 | |
| 9.0 | 0.4 | 57.5 | |
| 8.5 | 9.1 | 43.4 | L |
| 7.0 | 20.1 | 3.0 | L |
| 9.2 | 29.2 | 12.1 | |
| 9.0 | 30.0 | 9.4 | |
| 9.1 | 37.3 | 7.7 | α |
| 9.5 | 40.8 | 0.6 | |
| 9.5 | 29 1.4 | 43.2 | |
| 9.4 | 23.1 | 32.1 | |
| 9.2 | 59.6 | 0.8 | αB |
| 7.1 | 30 2.0 | 2.5 | K |
| 8.2 | 3.7 | 38.0 | *B* |
| 9.1 | 10.0 | 7.1 | |
| 9.5 | 31 6.6 | 18.3 | |
| 9.3 | 13.3 | 27.9 | |
| 9.5 | 39.4 | 45.2 | |
| 9.5 | 32 9.2 | 48.7 | |
| 8.5 | 22.5 | 23.5 | |
| 9.5 | 56.8 | 9.9 | |
| 7.0 | 58.1 | 23.5 | K |
| 8.6 | 33 5.0 | 0.5 | |
| 8.7 | 9.3 | 45.0 | |
| 9.5 | 19.2 | 42.5 | |
| 8.4 | 25.5 | 2.3 | |
| 9.5 | 38.4 | 7.4 | |
| 8.2 | 44.5 | 33.8 | K |
| 9.3 | 55.9 | 47.4 | |
| 9.2 | 34 6.3 | 13.0 | |
| 9.2 | 27.6 | 12.8 | |
| 6.3 | 45.5 | 12.5 | L |
| 9.5 | 57.3 | 1.1 | |
| 9.0 | 35 2.7 | 6.1 | |
| 8.7 | 21.8 | 57.4 | K |
| 9.2 | 29.3 | 34.3 | |
| 9.5 | 35.1 | 10.6 | |
| 9.4 | 36 11.8 | 17.5 | |
| 9.5 | 21.7 | 49.4 | |
| 9.5 | 28.2 | 7.9 | |
| 9.5 | 35.1 | 8.2 | |
| | + | + | |
| *10pr.* | *27.70* | *3.09* | |

4781—4840

| | 22ʰ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 36 39.5 | 33.8 | |
| 8.7 | 40.5 | 28.5 | |
| 9.3 | 42.2 | 42.8 | αB |
| 8.7 | 42.3 | 53.9 | |
| 8.6 | 45.4 | 27.9 | |
| 9.5 | 37 10.3 | 47.6 | |
| 9.1 | 14.0 | 1.5 | α |
| 8.8 | 38.7 | 44.1 | |
| 9.4 | 50.8 | 46.3 | |
| 9.0 | 58.5 | 35.5 | |
| 9.5 | 38 12.8 | 37.2 | |
| 9.4 | 15.1 | 49.8 | |
| 9.4 | 41.8 | 12.4 | |
| 9.5 | 45.3 | 1.1 | |
| 9.2 | 49.7 | 6.4 | αB |
| 9.5 | 39 12.8 | 49.7 | |
| 9.0 | 26.5 | 8.2 | |
| 9.5 | 31.9 | 59.4 | |
| 9.2 | 37.4 | 49.0 | |
| 8.4 | 39.5 | 23.8 | |
| 8.2 | 48.5 | 33.2 | *B* |
| 9.0 | 40 19.4 | 50.7 | |
| 7.9 | 31.6 | 16.6 | *B* |
| 8.9 | 42.5 | 32.8 | |
| 9.5 | 57.2 | 35.2 | |
| 9.3 | 41 2.4 | 7.7 | |
| 9.3 | 6.2 | 38.6 | |
| 8.4 | 31.3 | 51.0 | |
| 7.8 | 39.6 | 19.8 | K |
| 9.5 | 45.7 | 33.5 | |
| 9.2 | 52.5 | 0.6 | α |
| 9.5 | 42 12.6 | 47.3 | |
| 9.5 | 15.8 | 4.3 | |
| 9.5 | 17.7 | 58.8 | |
| 8.5 | 29.5 | 2.7 | |
| 7.5 | 53.6 | 32.5 | K |
| 9.5 | 43 35.5 | 11.8 | |
| 8.9 | 40.6 | 45.2 | K |
| 9.5 | 44 11.4 | 8.8 | |
| 9.2 | 29.1 | 6.5 | |
| 9.5 | 50.2 | 3.5 | |
| 8.8 | 52.6 | 14.1 | B |
| 9.4 | 45 5.1 | 22.2 | |
| 9.3 | 13.7 | 58.6 | Kb |
| 9.3 | 15.4 | 4.4 | |
| 9.5 | 18.3 | 54.7 | |
| 9.5 | 26.6 | 34.2 | |
| 8.8 | 46 9.9 | 53.5 | |
| 9.4 | 16.8 | 7.0 | |
| 9.5 | 32.5 | 3.1 | |
| 9.4 | 35.4 | 9.3 | |
| 9.5 | 35.5 | 0.4 | |
| 9.2 | 47 39.6 | 48.5 | |
| 9.4 | 44.2 | 49.6 | |
| 6.6 | 53.5 | 42.5 | B |
| 8.0 | 54.5 | 16.4 | K |
| 9.0 | 48 15.0 | 5.4 | B |
| 9.3 | 17.4 | 54.0 | |
| 9.5 | 22.5 | 3.4 | |
| 9.5 | 22.6 | 48.5 | |
| | + | + | |
| *10pr.* | *28.09* | *3.15* | |

4841—4900

| | 22ʰ—23ʰ | +30° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 48 28.9 | 43.5 | |
| 8.7 | 40.2 | 46.9 | K |
| 9.5 | 41.1 | 53.9 | |
| 9.5 | 54.3 | 57.2 | |
| 9.5 | 49 16.6 | 33.5 | |
| 8.9 | 48.5 | 4.0 | |
| 9.5 | 50 4.1 | 19.4 | |
| 8.6 | 23.6 | 45.1 | *B* |
| 9.5 | 38.6 | 17.3 | |
| 9.5 | 51 24.9 | 40.1 | |
| 9.5 | 48.0 | 59.2 | |
| 9.5 | 52 9.8 | 40.1 | |
| 9.5 | 20.6 | 55.2 | |
| 9.5 | 49.2 | 4.2 | |
| 9.3 | 55.8 | 28.3 | |
| 9.2 | 53 9.6 | 17.0 | |
| 9.2 | 24.9 | 57.7 | *b* |
| 9.5 | 37.5 | 32.8 | |
| 6.0 | 48.2 | 18.7 | K |
| 9.2 | 54 7.9 | 6.1 | *B* |
| 9.5 | 35.6 | 16.3 | |
| 9.5 | 54.4 | 59.1 | |
| 9.5 | 55 10.3 | 41.1 | |
| 9.0 | 41.6 | 10.3 | |
| 8.4 | 59.8 | 48.8 | K |
| 7.1 | 56 23.8 | 53.1 | K |
| 8.0 | 42.9 | 18.0 | *B* |
| 9.0 | 57 26.5 | 8.6 | |
| 6.5 | 41.0 | 31.4 | K |
| 9.5 | 58 6.5 | 5.9 | |
| 9.5 | 18.1 | 17.2 | |
| 9.3 | 29.8 | 17.9 | |
| 9.3 | 59 1.7 | 47.0 | |
| 9.5 | 24.8 | 21.8 | |
| 8.2 | 36.5 | 13.8 | B |
| 9.0 | 39.8 | 18.0 | |
| 9.2 | 47.6 | 8.3 | |
| 9.1 | 0 44.5 | 44.3 | B |
| 9.5 | 45.3 | 21.8 | |
| 8.8 | 54.9 | 7.9 | |
| 7.0 | 58.7 | 39.8 | K |
| 9.5 | 1 10.0 | 6.3 | |
| 9.0 | 18.8 | 46.3 | |
| 9.5 | 24.9 | 50.1 | |
| 9.0 | 44.6 | 4.4 | |
| 9.5 | 45.8 | 13.9 | |
| 9.3 | 50.3 | 44.6 | |
| 9.5 | 2 2.8 | 47.3 | |
| 9.0 | 14.9 | 42.7 | B |
| 9.4 | 35.0 | 51.4 | B |
| 9.5 | 45.1 | 54.9 | |
| 9.4 | 3 3.7 | 52.9 | |
| 9.5 | 29.2 | 40.8 | |
| 9.0 | 33.3 | 23.2 | Kb |
| 9.5 | 37.8 | 6.5 | |
| 7.5 | 59.3 | 21.8 | K |
| 9.5 | 4 11.2 | 25.2 | |
| 9.2 | 5 7.0 | 46.4 | Bb |
| 9.1 | 7.2 | 58.7 | K |
| 9.5 | 29.5 | 14.2 | |
| | + | + | |
| *10pr.* | *28.62* | *3.22* | |

*4650 α*

| | | | | |
|---|---|---|---|---|
| *9.3* | *6* | *54.5* | *40.2* | *B* |

| 4901—4939 | | | | 4940—4977 | | | | 4978—5015 | | | | 5016—5053 | | | | 5054—5091 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | +30° | | | 23ʰ | +30° | | | 23ʰ | +30° | | | 23ʰ | +30° | | | 23ʰ | +30° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.4 | 5 52.3 | 51.8 | | 9.2 | 18 40.2 | 10.1 | B | 5.0 | 26 48.0 | 31.7 | K | 8.0 | 38 11.8 | 55.2 | L | 9.5 | 49 2.5 | 35.4 | |
| 9.4 | 56.8 | 9.7 | aB | 9.5 | 46.3 | 54.3 | | 9.3 | 27 5.7 | 18.6 | | 9.1 | 17.9 | 32.3 | | 9.4 | 14.7 | 3.5 | |
| 9.3 | 6 3.9 | 28.4 | | 9.4 | 48.2 | 0.2 | | 9.3 | 50.2 | 31.9 | | 9.5 | 41.4 | 38.8 | | 8.9 | 24.0 | 36.7 | K |
| 9.5 | 12.3 | 1.5 | | 9.5 | 19 4.0 | 39.5 | | 9.5 | 56.4 | 52.3 | | 9.5 | 55.0 | 10.1 | | 9.5 | 55.3 | 28.1 | |
| 9.3 | 54.8 | 35.6 | | 9.5 | 15.4 | 6.8 | | 7.5 | 28 13.0 | 12.1 | K | 9.4 | 39 32.1 | 57.1 | | 9.5 | 50 19.4 | 20.4 | |
| 8.3 | 7 6.7 | 30.8 | | 7.7 | 24.7 | 57.5 | K | 7.9 | 15.9 | 23.0 | K | 8.8 | 39.6 | 23.1 | | 9.0 | 23.9 | 12.6 | |
| 8.5 | 21.8 | 59.8 | K | 9.5 | 20 15.1 | 6.2 | | 9.5 | 49.5 | 26.5 | | 8.5 | 57.6 | 39 8 | K | 9.3 | 29.7 | 49.7 | |
| 9.5 | 42.7 | 3.4 | | 9.5 | 21.3 | 55.4 | | 9.5 | 57.6 | 45.0 | | 9.5 | 40 16.0 | 8.9 | | 8.5 | 43.0 | 21.0 | B |
| 8.5 | 8 3.5 | 15.3 | B | 8.8 | 35.9 | 32.6 | | 9.5 | 29 24.5 | 46.8 | | 9.3 | 31.2 | 12.6 | aB | 9.1 | 43.4 | 57.5 | aB |
| 9.5 | 12.6 | 59.1 | | 9.5 | 52.6 | 14.4 | | 9.3 | 31.4 | 36.9 | | 8.8 | 31.5 | 27.6 | | 9.5 | 52.1 | 13.4 | |
| 9.5 | 25.8 | 13.6 | | 8.9 | 58.8 | 6.2 | K | 9.5 | 47.0 | 44.5 | | 9.3 | 33.3 | 48.5 | | 9.5 | 52.2 | 21.3 | |
| 7.3 | 39.8 | 53.1 | K | 9.5 | 21 16.4 | 57.1 | | 9.5 | 54.0 | 18.3 | | 9.5 | 41 7.4 | 12.3 | | 8.5 | 51 19.0 | 50.9 | B |
| 8.5 | 9 40.7 | 31.8 | | 9.2 | 22.5 | 51.9 | | 9.5 | 30 36.4 | 16.0 | | 7.7 | 32.6 | 54.5 | K | 8.1 | 22.5 | 0.8 | Lb |
| 9.3 | 51.1 | 8.8 | | 9.5 | 23.6 | 39.5 | | 9.2 | 36.4 | 54.8 | Bb | 9.4 | 38.7 | 29.2 | | 9.2 | 54.7 | 5.0 | |
| 9.4 | 10 3.2 | 33.6 | | 9.5 | 38.1 | 55.9 | | 9.5 | 31 9.5 | 58.6 | | 9.0 | 52.5 | 35.8 | | 9.5 | 52 17.1 | 36.0 | |
| 9.2 | 10.9 | 51.7 | | 9.5 | 43.8 | 36.2 | | 9.5 | 25.3 | 0.6 | | 9.4 | 58.8 | 49.6 | | 8.4 | 37.1 | 43.5 | B |
| 8.4 | 11.0 | 56.0 | B | 9.5 | 48.5 | 36.7 | | 9.5 | 29.0 | 51.4 | | 9.5 | 42 6.9 | 7.8 | | 9.5 | 37.6 | 54.9 | B |
| 7.5 | 38.9 | 14.3 | B | 8.1 | 22 1.6 | 54.2 | L | 9.5 | 48.1 | 57.1 | | 8.8 | 37.6 | 15.1 | | 7.5 | 53 3.8 | 25.8 | K |
| 9.5 | 43.4 | 1.8 | a | 9.5 | 2.0 | 37.7 | B | 8.8 | 55.7 | 4.1 | K | 9.0 | 38.7 | 32.4 | | 9.0 | 6.4 | 57.0 | |
| 9.2 | 55.5 | 27.3 | aB | 8.3 | 37.9 | 54.9 | K | 9.5 | 32 7.9 | 54.6 | | 9.0 | 43 1.0 | 2.9 | | 9.5 | 15.8 | 0.6 | |
| 9.4 | 11 10.5 | 31.3 | | 9.5 | 46.4 | 19.3 | | 9.1 | 21.7 | 42.4 | b | 9.5 | 27.9 | 46.8 | | 9.4 | 45.9 | 40.6 | |
| 9.4 | 12 20.5 | 25.5 | | 8.4 | 23 1.6 | 54.7 | K | 9.4 | 27.2 | 56.9 | | 8.3 | 35.7 | 48.2 | K | 9.2 | 59.0 | 2.2 | B |
| 9.5 | 27.0 | 6.9 | | 8.0 | 6.0 | 33.9 | K | 8.8 | 31.4 | 18.8 | | 8.4 | 48.3 | 59.0 | K | 9.5 | 59.5 | 1.4 | |
| 9.5 | 13 12.9 | 13.1 | | 7.6 | 17.4 | 2.6 | S | 9.5 | 33 26.4 | 19.2 | | 9.5 | 58.6 | 15.1 | | 9.0 | 54 5.0 | 57.6 | K |
| 9.5 | 25.3 | 31.1 | | 9.5 | 57.3 | 56.7 | | 8.6 | 34 15.9 | 39.5 | Kb | 9.5 | 44 10.2 | 53.9 | | 9.3 | 30.0 | 5.7 | aB |
| 9.0 | 52.0 | 22.8 | | 9.5 | 24 9.5 | 41.9 | | 9.5 | 24.6 | 58.3 | | 9.5 | 22.5 | 5.5 | a | 9.5 | 41.1 | 8.8 | |
| 9.5 | 14 0.2 | 41.0 | B | 9.3 | 9.8 | 2.2 | K | 9.5 | 39.5 | 45.0 | | 9.5 | 45 21.4 | 54.3 | | 9.5 | 42.2 | 11.5 | |
| 9.5 | 15 35.4 | 47.1 | | 9.4 | 13.8 | 42.9 | B | 9.4 | 35 0.7 | 23.6 | | 9.4 | 46 30.0 | 0.2 | | 9.5 | 46.9 | 54.4 | |
| 9.5 | 57.9 | 31.2 | | 9.5 | 40.4 | 16.5 | | 8.7 | 11.3 | 10.3 | K | 8.5 | 38.9 | 22.6 | K | 9.5 | 55 55.3 | 52.9 | |
| 9.4 | 16 5.4 | 26.8 | | 8.9 | 46.0 | 25.7 | | 9.5 | 44.4 | 28.6 | | 9.5 | 47 18.4 | 18.9 | | 9.5 | 56 3.5 | 38.5 | |
| 9.4 | 10.2 | 3.9 | B | 9.5 | 56.9 | 15.8 | | 9.4 | 52.0 | 12.6 | | 9.3 | 21.5 | 3.0 | | 9.5 | 38.9 | 28.1 | |
| 9.4 | 16.3 | 35.4 | | 8.3 | 25 20.7 | 38.8 | K | 9.5 | 36 14.5 | 27.5 | | 8.7 | 24.9 | 31.9 | K | 9.1 | 49.7 | 48.1 | |
| 9.4 | 18.4 | 54.0 | | 9.3 | 24.0 | 59.7 | | 9.1 | 25.7 | 41.6 | b | 9.5 | 53.1 | 33.3 | | 9.5 | 57 5.8 | 5.0 | |
| 9.4 | 17 22.0 | 6.1 | | 9.0 | 59.4 | 4.3 | | 9.5 | 53.3 | 40.6 | | 9.5 | 54.4 | 19.2 | | 9.5 | 11.4 | 51.9 | |
| 9.0 | 29.1 | 2.5 | K | 9.5 | 26 9.1 | 58.7 | | 9.3 | 37 46.9 | 49.4 | | 9.5 | 48 12.9 | 12.6 | | 9.5 | 13.9 | 44.7 | |
| 9.1 | 45.5 | 5.0 | a | 9.2 | 11.8 | 37.8 | | 8.8 | 52.0 | 42.9 | | 9.1 | 13.8 | 44.7 | b | 9.4 | 58 47.6 | 48.0 | B |
| 9.5 | 18 1.9 | 22.8 | | 9.2 | 18.5 | 30.0 | K | 9.0 | 55.2 | 53.3 | K | 9.5 | 18.3 | 27.8 | | 8.0 | 59 23.4 | 19.2 | K |
| 9.5 | 8.3 | 55.5 | | 8.2 | 31.2 | 13.3 | L | 9.0 | 57.8 | 3.9 | | 7.0 | 42.4 | 15.8 | K | 9.0 | 32.7 | 8.3 | |
| 9.3 | 22.8 | 15.8 | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | + | + | | 10pr. | 29.43 | 3.29 | | 10pr. | 29.76 | 3.31 | | 10pr. | 30.12 | 3.33 | | 10pr. | 30.48 | 3.34 | |
| | 29.04 | 3.26 | | | | | | | | | | | | | | | | | |

# Zone +31°

| 1—40 | | | | | 41—80 | | | | | 81—120 | | | | | 121—160 | | | | | 161—200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +31° | | | 0h | | +31° | | | 0h | | +31° | | | 0h | | +31° | | | 0h—1h | | +31° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 8.0 | 0 | 4.5 | 11.4 | K | 9.5 | 13 | 22.4 | 21.5 | | 9.5 | 29 | 8.3 | 56.0 | | 9.5 | 41 | 33.6 | 54.3 | | 9.2 | 52 | 45.8 | 44.0 | |
| 9.3 | 1 | 9.8 | 39.5 | a | 9.5 | | 23.3 | 0.7 | | 9.3 | | 19.5 | 22.4 | | 8.2 | 42 | 2.7 | 24.8 | K | 9.5 | | 55.4 | 8.8 | B |
| 8.8 | | 43.7 | 40.0 | | 9.5 | | 52.4 | 5.5 | | 9.5 | | 19.6 | 54.5 | | 9.5 | | 24.5 | 33.1 | | 9.5 | | 58.8 | 20.3 | B |
| 9.5 | 2 | 5.0 | 45.6 | | 9.5 | 14 | 7.5 | 30.4 | | 9.5 | | 48.7 | 42.0 | | 9.5 | | 28.9 | 2.4 | | 8.5 | 53 | 35.5 | 1.6 | K |
| 9.1 | | 11.4 | 34.6 | | 9.5 | 15 | 1.5 | 23.8 | | 9.5 | | 55.1 | 16.6 | | 8.9 | | 29.0 | 16.2 | L | 9.5 | 54 | 6.0 | 44.0 | |
| 9.2 | | 51.0 | 24.0 | K | 9.5 | | 29.9 | 22.8 | | 8.5 | 30 | 14.5 | 24.5 | L | 9.5 | | 58.7 | 28.0 | | 9.5 | | 18.3 | 50.6 | |
| 9.5 | 3 | 15.7 | 35.9 | | 9.1 | | 47.2 | 1.4 | Kb | 9.1 | | 21.0 | 46.8 | | 8.9 | 43 | 0.0 | 15.8 | L | 8.9 | | 19.4 | 22.6 | K |
| 8.0 | | 17.4 | 25.5 | K | 9.3 | | 55.5 | 24.0 | | 8.3 | | 55.9 | 7.0 | K | 9.1 | | 8.9 | 6.9 | | 5.5 | | 54.0 | 2.1 | Kb |
| 8.2 | | 19.9 | 51.9 | K | 9.5 | 17 | 27.6 | 10.8 | | 8.5 | 31 | 45.4 | 50.3 | K | 7.1 | | 35.3 | 52.2 | B | 9.4 | 55 | 4.6 | 0.5 | |
| 9.5 | 4 | 32.7 | 19.0 | | 8.9 | | 41.0 | 42.5 | Kb | 9.3 | | 48.9 | 12.7 | | 8.0 | 44 | 1.0 | 13.1 | K | 9.4 | | 44.8 | 56.1 | |
| 9.1 | | 36.4 | 48.4 | | 9.4 | | 59.1 | 7.8 | | 9.5 | 32 | 39.5 | 14.9 | | 8.0 | | 4.5 | 34.2 | L | 9.5 | 56 | 30.9 | 4.6 | |
| 8.4 | | 59.3 | 23.2 | K | 8.3 | 18 | 39.4 | 27.0 | K | 9.5 | | 47.4 | 4.4 | | 8.8 | | 11.2 | 6.7 | K | 9.5 | | 54.9 | 47.2 | B |
| 8.2 | 6 | 14.6 | 45.2 | K | 9.5 | | 41.5 | 9.9 | | 9.5 | | 48.8 | 53.3 | | 9.3 | | 35.6 | 11.3 | | 9.5 | 57 | 10.2 | 53.8 | aB |
| 9.5 | | 14.7 | 53.5 | | 9.4 | 19 | 7.3 | 58.4 | | 9.5 | 33 | 0.6 | 48.2 | | 9.5 | 45 | 11.7 | 27.2 | | 9.1 | | 19.7 | 10.3 | K |
| 9.4 | | 22.2 | 56.3 | | 9.5 | | 21.6 | 53.9 | | 9.3 | | 44.7 | 7.4 | | 9.1 | | 58.4 | 23.1 | b | 9.5 | | 22.8 | 17.1 | |
| 9.0 | | 54.4 | 52.8 | K | 9.5 | | 44.8 | 51.6 | | 9.3 | | 45.6 | 54.8 | K | 9.1 | 46 | 18.6 | 38.9 | | 9.5 | | 25.6 | 35.4 | |
| 9.1 | 7 | 4.8 | 14.2 | K | 9.0 | 20 | 1.4 | 4.3 | | 9.5 | 34 | 4.2 | 10.4 | | 8.8 | | 28.2 | 9.7 | | 9.4 | | 26.2 | 25.0 | |
| 9.5 | | 9.7 | 2.0 | aB | 9.4 | | 13.2 | 56.9 | B | 9.5 | | 16.0 | 28.9 | | 9.5 | 47 | 4.1 | 56.8 | | 9.5 | | 56.1 | 43.1 | aB |
| 9.3 | | 9.8 | 37.6 | | 6.7 | | 50.5 | 38.2 | L | 9.5 | | 16.7 | 5.2 | | 9.1 | | 16.4 | 30.3 | K | 9.0 | 58 | 4.8 | 28.9 | K |
| 9.2 | 8 | 1.7 | 47.5 | | 9.3 | 21 | 1.9 | 0.1 | | 9.5 | | 17.0 | 43.7 | | 9.4 | | 37.7 | 16.9 | | 7.2 | | 14.8 | 24.1 | Kb |
| 9.5 | | 2.0 | 54.5 | | 9.2 | | 13.6 | 4.4 | | 8.1 | | 18.3 | 48.9 | Kb | 8.9 | 48 | 5.2 | 2.8 | | 9.0 | | 18.5 | 3.7 | K |
| 9.5 | | 20.0 | 43.5 | | 9.4 | | 38.0 | 2.5 | | 8.7 | | 24.4 | 18.8 | B | 9.5 | | 6.3 | 22.3 | | 9.5 | | 23.1 | 36.7 | B |
| 9.5 | | 45.3 | 6.8 | | 9.5 | | 40.0 | 52.6 | | 9.4 | | 35.9 | 43.9 | aB | 7.8 | | 8.6 | 32.7 | L | 9.2 | | 26.9 | 18.1 | aB |
| 9.3 | 9 | 17.7 | 38.9 | b | 9.5 | 22 | 29.7 | 0.7 | | 8.8 | | 52.7 | 2.0 | L | 7.9 | 49 | 6.9 | 5.6 | K | 9.4 | 59 | 41.1 | 23.7 | |
| 9.5 | | 42.3 | 31.1 | | 9.5 | | 47.0 | 44.4 | | 9.5 | 35 | 21.9 | 1.8 | | 9.5 | | 33.7 | 45.9 | | 6.9 | 0 | 2.1 | 15.4 | K |
| 9.5 | | 49.6 | 40.3 | | 7.9 | | 50.8 | 23.4 | L | 9.0 | | 51.2 | 10.0 | K | 9.2 | | 41.2 | 2.3 | K | 9.0 | | 20.4 | 7.0 | B |
| 9.5 | 10 | 35.3 | 55.2 | | 7.8 | 23 | 0.0 | 19.6 | K | 9.5 | 36 | 47.5 | 17.5 | | 9.3 | | 47.5 | 25.1 | | 9.2 | | 22.7 | 12.7 | K |
| 9.5 | 11 | 14.3 | 25.9 | | 9.5 | | 6.1 | 50.9 | | 9.3 | 37 | 33.5 | 25.8 | | 8.7 | 50 | 18.7 | 12.8 | K | 9.3 | 1 | 17.2 | 56.9 | |
| 9.4 | | 30.7 | 34.6 | aBb | 8.5 | | 29.3 | 54.8 | | 9.3 | | 41.0 | 17.6 | | 9.0 | | 52.8 | 54.0 | Kb | 9.2 | 2 | 22.5 | 57.2 | |
| 9.5 | | 30.7 | 5.8 | | 9.4 | 24 | 19.0 | 0.3 | | 9.5 | | 45.5 | 48.2 | | 6.8 | 51 | 13.7 | 41.5 | K | 9.3 | | 25.3 | 50.1 | |
| 9.5 | | 47.2 | 32.6 | | 9.5 | | 55.9 | 44.4 | | 9.0 | 38 | 28.0 | 32.3 | | 9.4 | | 15.3 | 11.7 | | 9.1 | | 48.9 | 2.4 | K |
| 9.5 | | 56.0 | 47.0 | | 9.1 | 26 | 7.2 | 0.1 | K | 9.1 | | 31.2 | 54.8 | b | 9.5 | | 37.4 | 33.9 | | 8.2 | 3 | 7.2 | 46.3 | K |
| 9.5 | | 56.9 | 10.7 | | 9.4 | | 13.6 | 34.6 | | 9.3 | | 53.5 | 10.3 | | 7.3 | | 37.8 | 43.6 | K | 9.5 | | 19.8 | 14.5 | |
| 9.5 | 12 | 5.7 | 32.8 | | 8.9 | | 26.2 | 34.8 | Bb | 9.0 | | 55.1 | 42.7 | B | 9.2 | | 38.4 | 34.7 | B | 9.2 | | 49.7 | 57.8 | K |
| 9.4 | | 8.4 | 56.7 | | 9.4 | 27 | 4.6 | 54.7 | | 9.1 | 39 | 10.5 | 15.5 | K | 8.5 | | 38.6 | 58.8 | | 9.5 | | 58.2 | 8.9 | |
| 9.3 | | 13.5 | 27.9 | | 9.5 | | 54.8 | 47.6 | aB | 9.5 | | 14.0 | 56.7 | | 9.4 | | 51.1 | 41.8 | B | *8.2 | 4 | 30.7 | 28.1 | K |
| 9.5 | | 14.8 | 3.2 | | 9.1 | | 57.5 | 29.3 | | 9.3 | | 22.6 | 21.0 | | 9.0 | | 54.4 | 13.7 | K | 7.3 | | 51.9 | 18.3 | S |
| 9.1 | | 56.2 | 42.8 | Kb | 8.8 | 28 | 0.6 | 25.9 | | 9.5 | | 46.6 | 34.0 | B | 7.7 | 52 | 4.9 | 4.6 | Kb | 9.0 | 5 | 3.8 | 28.2 | |
| 9.5 | 13 | 3.5 | 16.2 | | 9.4 | | 2.6 | 54.2 | | 9.5 | | 58.1 | 51.6 | | 8.5 | | 21.0 | 31.9 | K | 9.4 | | 13.0 | 51.9 | |
| 9.5 | | 4.9 | 23.1 | | 9.1 | | 25.7 | 52.3 | K | 9.5 | 40 | 54.5 | 13.8 | | 9.5 | | 23.7 | 19.5 | | *8.8 | | 37.2 | 38.0 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 31.01 | 3.34 | | 10pr. | | 31.47 | 3.33 | | 10pr. | | 31.94 | 3.30 | | 10pr. | | 32.42 | 3.27 | | 10pr. | | 32.76 | 3.23 | |

| | | | | |
|---|---|---|---|---|
| 196 a | | | | |
| 8.5 | 4 | 50.4 | 18.2 | B |
| 199 a | | | | |
| 9.2 | 5 | 29.4 | 22.2 | B |

| 201—260 | | | | | 261—320 | | | | | 321—380 | | | | | 381—440 | | | | | 441—500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ᵘ | | +31° | | | 1ᵘ | | +31° | | | 1ᵘ—2ᵘ | | +31° | | | 2ᵘ | | +31° | | | 2ᵘ | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 5 | 49.7 | 2.3 | | 9.1 | 21 | 56.8 | 16.4 | *b* | 9.3 | 41 | 42.9 | 4.9 | K | 9.5 | 3 | 37.5 | 5.1 | | 9.5 | 22 | 9.8 | 7.5 | |
| 9.4 | | 50.7 | 9.4 | | 8.2 | 22 | 18.0 | 26.9 | K | 9.4 | | 54.2 | 57.1 | | 7.5 | 4 | 0.4 | 28.6 | K | 9.4 | | 54.0 | 28.6 | |
| 9.5 | 6 | 3.8 | 42.2 | | 9.4 | | 46.8 | 39.6 | | 9.5 | 42 | 29.1 | 54.6 | | 9.5 | | 12.8 | 25.0 | | 8.6 | 23 | 23.9 | 22.4 | K |
| 9.5 | | 22.0 | 48.8 | | 9.2 | | 50.4 | 35.8 | *aB* | 9.5 | 43 | 14.1 | 51.5 | | 9.3 | | 48.1 | 43.5 | | 7.5 | | 40.1 | 27.5 | K |
| 9.4 | | 28.1 | 29.5 | | 9.5 | 23 | 5.8 | 45.9 | | 9.3 | | 53.2 | 29.9 | | 9.1 | | 52.7 | 3.1 | K | 9.4 | | 55.1 | 9.9 | B |
| 9.5 | | 29.5 | 24.7 | | 9.3 | | 8.1 | 52.9 | | 9.3 | 44 | 9.0 | 51.6 | | 8.0 | 5 | 7.9 | 13.7 | K | 9.4 | 24 | 12.2 | 7.2 | *aB* |
| 9.0 | | 39.1 | 14.6 | K | 9.5 | | 53.3 | 27.7 | | 8.7 | | 40.2 | 29.4 | | 9.5 | | 36.9 | 50.0 | | 9.5 | | 26.9 | 4.6 | |
| 9.4 | 7 | 6.3 | 32.0 | | 8.1 | 24 | 3.0 | 48.8 | K | 9.4 | | 41.2 | 23.3 | B | 9.0 | 6 | 3.3 | 8.4 | | 9.1 | | 37.4 | 17.1 | *aB* |
| 9.5 | | 8.0 | 27.1 | | 9.3 | | 8.9 | 9.6 | *b* | 8.0 | 45 | 10.8 | 13.7 | K | 9.5 | | 53.0 | 27.6 | | 9.2 | | 45.6 | 10.6 | |
| 9.5 | | 43.1 | 46.8 | | 9.5 | | 45.8 | 29.6 | | 9.5 | | 12.5 | 29.5 | | 9.5 | 8 | 51.0 | 16.5 | | 9.4 | 25 | 5.8 | 51.8 | |
| 9.5 | | 47.2 | 33.7 | | 9.4 | 25 | 34.4 | 27.8 | | 9.0 | | 13.8 | 16.8 | K | 9.5 | 9 | 36.1 | 58.3 | | 9.5 | | 16.4 | 27.2 | |
| 9.5 | | 49.5 | 3.1 | | 9.5 | | 55.8 | 58.0 | | 9.5 | | 37.4 | 50.6 | | 9.1 | | 39.2 | 4.3 | K | 7.5 | | 27.1 | 48 7 | *Lb* |
| 9.1 | 8 | 1.9 | 33.3 | *b* | 9.5 | | 56.5 | 28.1 | | 9.2 | | 57.2 | 10.9 | | 9.5 | | 50.0 | 20.7 | | 9.0 | | 50.5 | 42.8 | |
| 9.4 | | 29.8 | 31.7 | | 9.3 | 26 | 19 2 | 13.0 | | 8.7 | 46 | 16.6 | 8.1 | K | 9.5 | | 52.4 | 54.5 | | 9.5 | 26 | 24.7 | 23.1 | |
| 9.5 | | 31.4 | 36.7 | | 9.4 | | 24.1 | 31.8 | | 9.5 | | 33.7 | 34.3 | | 8.5 | 10 | 5.0 | 26.9 | | 9.4 | | 25.4 | 1.1 | *aB* |
| 9.5 | | 53.2 | 50.0 | | 9.3 | 27 | 14.0 | 10.4 | | 9.5 | | 57.4 | 15.0 | | 9.4 | | 17.8 | 37.2 | | 9.4 | | 29.7 | 27.9 | |
| 9.1 | | 56.6 | 44.4 | | 9.0 | | 28.7 | 29.9 | | 9.5 | 47 | 8.6 | 44.1 | | 9.2 | | 48.9 | 10.3 | *Kb* | 9.5 | | 36.7 | 3.5 | |
| 9.3 | 9 | 23.7 | 24.9 | *aB* | 8.5 | | 29.9 | 1.4 | | 9.4 | | 19.2 | 40.6 | *aB* | 9.0 | | 53.6 | 47.3 | | 9.1 | | 55.0 | 20.3 | *b* |
| 9.2 | | 28.3 | 10.9 | | 9.5 | | 34.7 | 53.5 | | 9.0 | | 23.0 | 43.1 | K | 9.0 | 11 | 4.5 | 22.3 | | 9.5 | 27 | 48.4 | 40.7 | |
| 9.5 | | 48.8 | 20.1 | | 9.0 | 28 | 17.6 | 26.4 | L | 9.5 | | 48.5 | 48.1 | | 9.1 | | 6.6 | 19.6 | | 9.3 | 28 | 26.2 | 58.2 | *aB* |
| 9.3 | | 49.7 | 4.4 | K | 9.3 | | 28.2 | 56.7 | *aB* | 9.5 | 48 | 48.8 | 46.0 | | 9.3 | | 9.4 | 26.8 | | 9.5 | 30 | 36.5 | 24.2 | |
| 9.3 | 10 | 21.5 | 5.8 | | 9.4 | | 29.3 | 52.5 | | 8.9 | 49 | 9.7 | 19.8 | | 9.5 | | 23.4 | 51.1 | | 9.5 | 31 | 44.9 | 54.5 | |
| 9.5 | | 25.8 | 41.2 | | 9.5 | | 59.8 | 48.1 | *aB* | 9.5 | | 18.3 | 59.2 | | 8.0 | | 30.7 | 38.9 | K | 7.3 | | 45.7 | 40.7 | K |
| 9.5 | | 33.8 | 24.5 | | 9.5 | 29 | 30.5 | 4.0 | | 9.1 | | 19.0 | 36.0 | *b* | 9.5 | | 52.5 | 28.3 | | 9.5 | 32 | 8.9 | 22.0 | |
| 9.0 | 11 | 8.7 | 45.3 | K | 9.5 | | 46.1 | 31.2 | | 9.5 | | 34.9 | 58.5 | | 9.5 | 12 | 29.0 | 22.7 | | 9.1 | | 9.2 | 13.1 | *b* |
| 8.3 | | 31.9 | 33.6 | | 9.1 | 30 | 30.2 | 49.8 | *b* | 9.0 | 50 | 4.4 | 14.1 | K | 8.9 | 13 | 6.4 | 21.7 | K | 9.2 | 33 | 31.0 | 47.1 | K |
| 9.5 | 12 | 4.7 | 3.3 | | 9.5 | | 31.9 | 59.4 | | 9.5 | | 29.3 | 2.1 | | 9.4 | | 7.7 | 54.0 | B | 9.4 | | 54.9 | 13.5 | |
| 9.3 | | 9.6 | 58.2 | | 9.1 | | 45.1 | 21.6 | | 9.5 | | 32.1 | 5.9 | | 9.5 | | 26.9 | 45.8 | | 9.1 | 34 | 2.7 | 31.1 | *b* |
| 9.2 | | 14.8 | 46.5 | | 9.2 | 31 | 15.0 | 31.4 | | 9.5 | 51 | 44.4 | 18.4 | | 9.5 | | 52.0 | 40.7 | | 8.7 | | 45.4 | 9.5 | K |
| 9.4 | 13 | 0.2 | 1.8 | | 9.5 | | 43.8 | 16.8 | | 8.3 | | 53.1 | 11.2 | K | 9.1 | 14 | 29.5 | 29.0 | *b* | 9.1 | 35 | 0.9 | 16.5 | |
| 9.3 | | 20.5 | 57.3 | K | 9.0 | 32 | 0.8 | 40.8 | K | 9.4 | 52 | 5.3 | 30.0 | | 9.0 | | 32.6 | 49.4 | K | 8.9 | | 14.9 | 38.0 | K |
| 8.4 | | 38.4 | 53.0 | K | 9.5 | | 39.9 | 20.2 | | 8.7 | | 47.0 | 5.0 | K | 9.5 | 15 | 19.0 | 23.8 | | 7.5 | | 19.7 | 45.2 | K |
| 9.4 | | 45.7 | 21.3 | | 9.2 | 33 | 17.3 | 56.6 | K | 9.4 | 53 | 4.7 | 19.8 | | *9.5 | | 46.7 | 11.1 | B | 9.5 | | 42.0 | 54.6 | |
| 9.3 | 14 | 30.6 | 27.9 | | 9.4 | | 40.8 | 32.6 | | 8.0 | | 22.5 | 25.3 | K | 8.5 | 16 | 6.9 | 59.9 | K | 9.0 | | 52.4 | 23.9 | |
| 9.5 | | 46.5 | 20.1 | B | 8.0 | | 43.8 | 17.8 | K | 9.4 | | 41.2 | 55.1 | | 9.5 | | 13.0 | 27.0 | | 9.5 | 36 | 5.9 | 14.5 | |
| 7.6 | | 51.3 | 5.0 | L | 9.2 | 34 | 13.5 | 28.8 | K | 9.5 | 54 | 24.9 | 15.3 | | 8.8 | | 31.0 | 44.5 | | 9.5 | | 56.5 | 19.0 | |
| 9.4 | 15 | 5.7 | 1.1 | *a* | 8.1 | | 14.4 | 55.3 | K | 8.6 | | 52.9 | 42.6 | L | 9.5 | | 47.6 | 25.5 | *aB* | 8.4 | 37 | 37.4 | 23.1 | L |
| 9.0 | | 21.6 | 1.6 | B | 8.3 | 35 | 5.3 | 51.8 | K | 9.3 | 55 | 4.1 | 13.3 | | 7.3 | | 52.9 | 45.1 | K | 9.5 | | 41.0 | 30.4 | |
| 9.0 | | 45.8 | 16.4 | | 9.4 | | 25.9 | 8.2 | *aB* | 8.3 | | 12.0 | 11.6 | | 8.4 | | 57.7 | 26.8 | K | 9.4 | 38 | 13.6 | 30.0 | B |
| 9.4 | 16 | 7.4 | 53.9 | | 9.1 | | 35.5 | 41.2 | | 9.4 | | 22.2 | 26.0 | | 9.4 | 17 | 13.7 | 5.2 | | 9.4 | | 16.3 | 54.4 | |
| 9.0 | | 12.3 | 9.0 | K | 6.5 | | 35.7 | 29.2 | K | 9.2 | | 37.6 | 18.6 | | 8.2 | | 36.1 | 12.7 | *Kb* | 9.1 | 39 | 11.4 | 36.6 | *Kb* |
| 9.5 | | 17.7 | 41.5 | | 9.2 | | 54.6 | 47.9 | | 9.5 | | 55.3 | 1.8 | | 9.4 | | 37.5 | 45.8 | | 9.3 | 40 | 16.8 | 9.2 | |
| 8.0 | | 32.0 | 14.2 | K | 7.2 | 36 | 5.1 | 47.2 | K | 9.4 | 56 | 16.8 | 48.7 | | 9.5 | 18 | 0.6 | 9.7 | | 8.6 | | 27.8 | 29.8 | *Lb* |
| 8.7 | | 52.9 | 7.5 | K | 9.4 | | 32.9 | 9.2 | | 9.4 | 57 | 16.4 | 49.0 | | 9.2 | | 8.4 | 27.9 | K | 9.3 | | 34.3 | 24.2 | |
| 9.4 | 17 | 15.8 | 49.0 | | 9.5 | | 44.6 | 55.3 | | 9.2 | | 33.0 | 54.0 | | 9.2 | | 14.4 | 27.9 | K | 9.5 | 41 | 0.3 | 19.3 | |
| 9.5 | | 20.4 | 49.7 | | 9.4 | 37 | 1.7 | 59.3 | B | 9.5 | 58 | 20.5 | 8.4 | | 9.2 | | 24.2 | 49.6 | | 9.1 | | 3.5 | 22.0 | |
| 8.7 | | 24.1 | 14.0 | K | 9.5 | | 3.7 | 53.8 | | 9.3 | 59 | 4.9 | 21.7 | *b* | 5.7 | | 53.7 | 8.5 | *Lb* | 9.5 | | 18.3 | 40.1 | |
| 9.4 | | 43.7 | 11.1 | | 9.5 | | 56.9 | 10.0 | *aB* | 9.4 | | 34.5 | 35.2 | | 9.0 | 19 | 25.7 | 12.4 | | 9.5 | | 22.9 | 57.3 | B |
| 9.3 | | 47.3 | 26.3 | | 9.4 | 38 | 33.9 | 54.2 | | 9.4 | | 36.9 | 31.7 | | 9.5 | | 37.5 | 16.5 | | 9.5 | | 31.4 | 54.0 | |
| 9.1 | 18 | 3.7 | 9.2 | K | 9.4 | 39 | 4.2 | 14.0 | | 7.7 | 1 | 12.4 | 38.6 | K | 9.5 | | 43.0 | 1.6 | | 6.5 | | 42.8 | 22.4 | K |
| 8.8 | | 16.0 | 39.6 | *Kb* | 9.1 | | 6.8 | 42.6 | K | 8.3 | | 26.1 | 51.5 | K | 9.0 | | 49.7 | 32.0 | B | 9.0 | | 45.8 | 33.5 | |
| 9.5 | 19 | 12.3 | 35.9 | | 9.0 | | 9.4 | 19.5 | K | 8.7 | | 39.4 | 49.9 | K | 8.7 | | 50.7 | 31.1 | K | 9.2 | | 56.7 | 50.9 | |
| 9.4 | | 27.4 | 54.6 | | 9.5 | | 33.8 | 16.1 | | 9.0 | | 44.3 | 3.5 | B | 9.5 | | 57.5 | 44.7 | | 8.0 | 42 | 13.9 | 46.3 | K |
| 6.9 | | 36.5 | 13.5 | K | 9.2 | | 34.7 | 57.2 | *aB* | 9.4 | | 57.7 | 10.0 | | 9.2 | 20 | 4.9 | 35.5 | | 9.4 | | 35.2 | 3.8 | |
| 9.5 | 20 | 2.4 | 12.1 | | 9.4 | 40 | 10.0 | 56.8 | | 9.4 | 2 | 15.5 | 40.3 | | 9.5 | | 25.0 | 26.8 | | 9.5 | | 35.6 | 36.7 | B |
| 9.4 | | 27.0 | 26.0 | | 6.2 | | 24.8 | 57.5 | *Kb* | 9.5 | | 23.8 | 48.3 | | 9.1 | 21 | 5.2 | 34.9 | *b* | 9.5 | 43 | 8.8 | 45.2 | |
| 9.5 | | 29.2 | 38.6 | | 9.4 | | 41.5 | 28.5 | | 9.1 | | 50.4 | 39.0 | | 9.5 | | 9.0 | 1.7 | B | 7.0 | 44 | 39.5 | 2.6 | K |
| 8.5 | | 35.8 | 41.8 | K | 9.0 | 41 | 1.1 | 42.2 | L | 9.1 | | 54.5 | 24.8 | | 8.9 | | 10.6 | 23.6 | B | 9.0 | 45 | 11.8 | 42.1 | |
| 9.5 | 21 | 3.6 | 57.4 | | 9.5 | | 26.6 | 19.9 | | 9.5 | | 58.4 | 1.0 | | 9.4 | | 32.4 | 51.0 | | 8.1 | | 12.2 | 5.8 | K |
| 9.0 | | 52.5 | 49.4 | | 9.5 | | 37.2 | 41.2 | | 9.1 | 3 | 15.7 | 9.4 | | 9.5 | | 49.8 | 6.2 | | 8.3 | | 21.8 | 43.9 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *33.29* | *3.17* | | *10pr.* | | *33.91* | *3.08* | | *10pr.* | | *34.56* | *2.95* | | *10pr.* | | *35.26* | *2.78* | | *10pr.* | | *35.85* | *2.60* | |

*412 α*
9.6 | 15 | 35.5 | 11.1 | *B*

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ˢ—3ˢ | | +31° | | | 3ˢ | | +31° | | | 3ˢ | | +31° | | | 3ˢ—4ˢ | | +31° | | | 4ˢ | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 45 | 50.3 | 41.2 | K | 9.5 | 3 | 19.9 | 48.5 | B | 8.6 | 27 | 32.8 | 32.6 | K | 9.5 | 50 | 45.6 | 45.1 | B | 9.0 | 7 | 16.5 | 48.1 | |
| 9.5 | 46 | 11.0 | 56.6 | | 9.5 | | 39.3 | 1.4 | | 9.2 | | 41.0 | 1.9 | | 9.1 | | 50.3 | 21.5 | | 9.5 | | 42.0 | 28.8 | |
| 9.5 | | 12.3 | 14.0 | | 9.5 | | 52.6 | 39.7 | | 9.5 | 28 | 7.1 | 41.1 | | 9.4 | 51 | 18.1 | 52.8 | aB | 8.8 | | 43.7 | 14.6 | |
| 9.5 | | 58.8 | 24.9 | | 9.4 | 4 | 12.5 | 53.3 | B | 9.5 | | 13.0 | 5.8 | - | 9.4 | | 41.7 | 56.5 | | 9.5 | | 44.8 | 39.5 | |
| 9.0 | 47 | 30.3 | 23.4 | K | 8.3 | | 19.0 | 43.9 | K | 8.9 | | 35.6 | 7.8 | K | 9.3 | 52 | 14.4 | 42.6 | | 9.2 | | 59.2 | 9.6 | |
| 9.4 | | 37.8 | 23.2 | | 9.3 | | 20.2 | 46.9 | aB | 9.5 | | 44.8 | 27.0 | | 8.5 | | 14.8 | 51.3 | L | 8.5 | 8 | 27.6 | 4.4 | K |
| 8.5 | | 45.8 | 20.7 | K | 8.9 | | 48.1 | 8.5 | | 9.1 | 29 | 55.0 | 44.9 | b | 8.8 | | 34.2 | 48.1 | | 9.2 | | 36.3 | 13.9 | |
| 9.4 | 48 | 3.8 | 35.9 | | 9.4 | 5 | 33.7 | 20.7 | | 9.5 | 30 | 53.3 | 57.0 | | 9.5 | | 36.2 | 53.1 | | 9.3 | | 53.9 | 39.5 | |
| 4.8 | | 30.8 | 20.3 | Kb | 9.4 | | 41.3 | 2.4 | | 8.8 | | 54.8 | 27.6 | | 9.3 | | 47.8 | 34.3 | | 9.4 | | 57.8 | 45.7 | |
| 9.1 | 49 | 16.6 | 36.5 | | 9.2 | 6 | 46.6 | 27.0 | | 8.4 | 31 | 47.9 | 21.7 | K | 9.3 | | 49.7 | 43.6 | | 8.5 | 9 | 27.7 | 36.1 | |
| 8.8 | | 23.5 | 25.3 | K | 9.4 | | 49.7 | 21.1 | | 9.3 | | 58.6 | 5.8 | | 9.5 | | 51.5 | 53.7 | | 9.5 | | 48.5 | 34.0 | |
| 6.6 | | 30.0 | 53.5 | K | 9.2 | 7 | 9.0 | 44.3 | | 8.4 | 32 | 0.2 | 38.0 | | 8.1 | 53 | 21.7 | 4.8 | K | 9.5 | 10 | 8.6 | 43.9 | |
| 9.0 | | 34.7 | 36.0 | B | 9.4 | | 11.6 | 35.3 | B | 9.2 | | 4.4 | 7 6 | | 9.5 | | 33.3 | 45.4 | | 8.8 | | 9.2 | 13.8 | K |
| 9.5 | 50 | 15.0 | 47.4 | | 9.2 | | 18.1 | 48.4 | | 9.3 | | 36.4 | 8.2 | | 9.3 | | 46.9 | 31.1 | | 9.2 | | 28.0 | 0.1 | |
| 9.5 | | 15.3 | 21.8 | | 9.0 | | 21.4 | 23.8 | Kb | 9.5 | | 47.2 | 15.8 | | 9.5 | | 57.6 | 54.5 | | 9.1 | | 35.4 | 18.0 | K |
| 9.3 | | 22.2 | 50.2 | | 6.5 | | 40.8 | 39.1 | K | 9.3 | | 53.6 | 54.4 | | 9.5 | | 58.2 | 48.4 | | 9.5 | | 46.3 | 21.0 | |
| 9.0 | | 37.3 | 38.1 | K | 9.4 | 8 | 25.0 | 48.4 | | 8.5 | 33 | 13.3 | 11.7 | K | 9.5 | 55 | 7.2 | 47.1 | | 6.3 | | 57.9 | 37.0 | L |
| 9.5 | | 42.7 | 5.8 | B | 9.3 | | 25.8 | 35.9 | | 8.9 | | 17.4 | 56.0 | | 9.3 | | 53.3 | 56.8 | | 8.5 | | 57.9 | 55.1 | R |
| 9.1 | 52 | 9.3 | 27.3 | | 8.3 | 9 | 40.8 | 31.1 | K | 8.8 | | 57.3 | 9.6 | K | 9.5 | 56 | 13.3 | 39.8 | | 9.4 | 11 | 2.4 | 28.3 | |
| 8.8 | | 11.9 | 57.6 | | 8.9 | 11 | 8.0 | 29.1 | K | 9.5 | | 57.6 | 30.0 | | 7.2 | | 25.4 | 5.8 | B | 9.0 | | 3.7 | 23.0 | |
| 9.1 | | 15.4 | 44.7 | K | 8.3 | | 13.9 | 58.5 | K | 8.8 | 35 | 3.0 | 37.3 | | 9.4 | | 29.6 | 36.3 | aB | 9.3 | | 21.3 | 25.0 | |
| 9.3 | | 15.7 | 26.2 | | 9.5 | | 15.1 | 10.7 | B | 3.8 | | 16.2 | 49.6 | K | 9.5 | 57 | 6.7 | 59.5 | | 9.4 | | 39.1 | 18.3 | |
| 9.0 | | 18.3 | 30.4 | | 9.2 | | 26.0 | 54.4 | | 8.2 | | 27.6 | 42.2 | S | 6.5 | | 28.5 | 58.2 | K | 9.5 | 12 | 19.6 | 20.5 | |
| 8.6 | | 27.8 | 21.1 | | 9.3 | 12 | 8.2 | 21.8 | | 8.3 | 36 | 24.2 | 49.0 | K | 9.4 | 58 | 1.9 | 10.0 | aB | 8.0 | | 24.3 | 15.6 | K |
| 9.3 | | 34.3 | 24.2 | | 7.8 | | 56.3 | 7.8 | K | 8.9 | | 32.6 | 58.8 | B | 8.8 | | 19.2 | 24.6 | | 9.5 | | 36.1 | 46.7 | |
| 6.5 | | 39.8 | 50.0 | K | 9.1 | 13 | 20.0 | 19.1 | aB | 9.0 | | 43.1 | 33.9 | | 9.5 | | 29.5 | 24.9 | | 8.5 | | 38.0 | 52.3 | |
| 9.0 | | 58.7 | 29.8 | | 8.7 | | 27.4 | 4.8 | K | 9.0 | 37 | 19.0 | 48.7 | | 9.4 | | 42.6 | 57.4 | | 8.8 | 13 | 8.6 | 43.0 | K |
| 9.0 | 53 | 16.6 | 10.0 | K | 7.6 | | 33.4 | 43.0 | B | 9.4 | | 28.3 | 11.4 | | 8.0 | 59 | 20.0 | 7.9 | Kb | 9.4 | | 32.5 | 16.6 | |
| 9.5 | | 48.0 | 36.7 | | 9.3 | | 43.3 | 3.7 | | 6.8 | | 36.8 | 50.7 | K | 9.4 | | 20.7 | 30.5 | | 8.8 | | 54.4 | 51.8 | |
| 9.5 | 54 | 26.0 | 25.6 | | 9.1 | 14 | 2.7 | 29.4 | K | 6.5 | 38 | 43.4 | 44.6 | K | 9.1 | | 32.8 | 0.8 | | 9.1 | 14 | 39.7 | 13.5 | K |
| 8.0 | 55 | 29.2 | 22.1 | K | 9.5 | | 19.6 | 45.3 | | 8.7 | 39 | 16.0 | 13.1 | | 9.3 | | 42.6 | 59.5 | | 9.5 | | 50.0 | 36.3 | |
| 9.4 | | 44.7 | 25.5 | | 9.0 | | 29.1 | 27.3 | K | 8.0 | | 18.6 | 30.4 | K | 9.5 | | 56.5 | 40.5 | | 9.0 | | 50.8 | 31.1 | K |
| 9.0 | 56 | 16.1 | 58.0 | | 9.5 | | 51.3 | 21.8 | | 9.4 | | 22.0 | 51.4 | | 9.0 | 0 | 17.8 | 12.2 | | 8.3 | 16 | 21.3 | 48.5 | K |
| 7.5 | | 33.0 | 31.4 | K | 9.4 | 16 | 14.5 | 30.0 | B | 8.9 | | 57.9 | 25.6 | | 7.0 | | 28.5 | 14.9 | B | 9.4 | | 21.3 | 35.7 | |
| 9.4 | | 55.0 | 38.8 | | 8.2 | | 14.7 | 51.4 | K | 8.1 | 40 | 3.3 | 49.1 | K | 9.0 | 1 | 19.6 | 33.9 | | 9.5 | | 49.6 | 59.1 | |
| 7.5 | | 55.6 | 27.6 | K | 9.5 | | 19.6 | 55.0 | | 9.5 | | 11.1 | 35.0 | B | 9.0 | 2 | 5.3 | 12.9 | K | 5.0 | | 53.7 | 6.6 | L |
| 9.5 | 57 | 7.7 | 41.8 | | 7.0 | | 27.9 | 12.8 | K | 8.8 | 41 | 20.2 | 58.3 | | 9.2 | | 17.5 | 7.4 | | 8.3 | 17 | 2.5 | 37.7 | K |
| 9.5 | | 24.0 | 6.5 | | 9.1 | 17 | 18.3 | 38.0 | | 8.3 | | 24.1 | 6.2 | | 7.6 | | 32.3 | 9.8 | K | 9.0 | | 24.6 | 43.0 | K |
| 9.0 | | 41.3 | 42.2 | | 7.5 | | 34.6 | 18.7 | K | 8.6 | | 52.3 | 43.2 | | 8.3 | 3 | 0.0 | 48.0 | Kb | 9.3 | 18 | 18.0 | 54.9 | |
| 8.9 | | 51.1 | 26.9 | | 9.5 | | 57.3 | 34.6 | | 8.8 | 43 | 3.0 | 35.2 | | 9.3 | | 12.2 | 59.0 | | 9.5 | | 30.5 | 3.9 | |
| 9.5 | 58 | 31.0 | 45.3 | | 9.2 | 18 | 27.6 | 48.3 | aB | 8.8 | | 12.4 | 32.1 | | 8.3 | | 35.0 | 25.3 | K | 9.3 | | 51.7 | 51.2 | |
| 9.0 | | 33.3 | 12.8 | K | 9.5 | | 43.7 | 8.1 | B | 7.0 | | 32.8 | 58.2 | L | 9.4 | 4 | 8.5 | 50.5 | | 9.5 | 19 | 19.6 | 50.0 | |
| 9.5 | | 38.0 | 30.8 | | 9.4 | | 44.0 | 45.0 | | 9.5 | | 57.0 | 46.0 | | 9.5 | | 17.1 | 46.2 | | 9.5 | 20 | 42.5 | 21.6 | |
| 9.5 | 59 | 0.1 | 36.6 | | 9.5 | | 57.3 | 58.5 | | 8.8 | 44 | 9.2 | 3.9 | | 9.5 | | 26.3 | 35.0 | | 8.6 | 21 | 15.1 | 15.6 | K |
| 9.3 | | 30.4 | 56.3 | | 8.5 | 19 | 17.0 | 23.8 | | 9.5 | | 34.5 | 39.4 | | 9.4 | 5 | 13.8 | 20.5 | | 9.4 | 22 | 0.7 | 31.1 | |
| 8.9 | | 56.9 | 38.3 | | 8.5 | | 25.6 | 51.1 | | 3.0 | 45 | 2.0 | 27.6 | K | 9.5 | | 14.0 | 6.6 | | 9.5 | | 47.0 | 58.6 | B |
| 9.4 | 0 | 3.3 | 54.4 | | 9.2 | 20 | 7.7 | 37.6 | | 9.4 | | 18.4 | 30.7 | | 8.5 | | 20.4 | 31.7 | K | 9.0 | | 57.8 | 12.2 | Kb |
| 9.3 | | 46.0 | 44.3 | | 9.0 | 22 | 6.3 | 16.9 | | 9.5 | 46 | 26.2 | 27.4 | | 8.5 | | 22.5 | 27.7 | K | 9.4 | 23 | 5.6 | 31.1 | |
| 8.2 | | 46.7 | 55.4 | K | 9.5 | | 15.8 | 49.0 | | 8.8 | | 47.2 | 43.1 | | 9.5 | | 46.9 | 4.0 | | 9.5 | | 24.4 | 28.1 | |
| 9.2 | 1 | 7.8 | 26.3 | | 9.4 | 23 | 21.4 | 11.0 | B | 8.8 | | 50.8 | 44.0 | B | 9.3 | 6 | 19.9 | 7.7 | | 8.2 | | 26.5 | 5.3 | K |
| 9.4 | | 26.0 | 41.9 | | 7.3 | | 35.3 | 9.4 | K | 9.5 | 47 | 20.9 | 35.6 | | 9.4 | | 24.4 | 48.0 | aB | 8.5 | | 37.5 | 28.3 | B |
| 9.3 | | 43.2 | 44.0 | | 9.1 | 24 | 9.0 | 33.5 | | 9.5 | | 49.9 | 48.1 | | 9.4 | | 35.0 | 53.7 | | 9.5 | | 41.1 | 42.5 | |
| 7.0 | | 58.9 | 40.4 | Kb | 9.5 | | 45.6 | 28.9 | | 9.1 | 48 | 5.6 | 35.0 | b | 7.8 | | 36.1 | 1.3 | K | 9.2 | 24 | 24.6 | 41.2 | |
| 9.4 | 2 | 14.6 | 32.8 | | 8.5 | | 55.5 | 34.8 | K | 9.3 | 49 | 14.4 | 55.5 | a | 9.1 | | 36.9 | 21.0 | B | 8.3 | | 25.0 | 21.8 | K |
| 8.4 | | 24.1 | 59.4 | K | 9.5 | 25 | 41.3 | 16.1 | | 9.0 | | 45.2 | 56.6 | | 9.2 | | 40.3 | 2.7 | K | 8.5 | | 40.5 | 49.6 | Kb |
| 9.0 | | 37.0 | 23.4 | | 6.5 | | 59.8 | 31.7 | K | 9.4 | | 56.1 | 36.3 | | 9.4 | | 45.0 | 57.0 | | 8.5 | | 41.4 | 54.8 | K |
| 8.8 | | 39.8 | 45.9 | | 9.0 | 26 | 19.5 | 12.7 | | 8.8 | | 57.9 | 35.5 | B | 7.3 | | 46.0 | 20.1 | K | 9.4 | 26 | 55.1 | 55.3 | |
| 9.4 | | 48.5 | 43.4 | | 9.5 | | 30.6 | 18.0 | | 9.3 | 50 | 25.1 | 36.3 | | 8.8 | | 47.0 | 21.7 | K | 9.2 | 27 | 9.0 | 50.5 | |
| 8.4 | | 50.3 | 34.2 | B | 7.0 | | 38.8 | 11.5 | K | 9.5 | | 33.5 | 36.8 | | 9.3 | 7 | 5.6 | 3.2 | | 9.2 | | 21.7 | 53.0 | |
| 9.5 | | 57.6 | 34.2 | | 9.1 | 27 | 11.9 | 7.1 | | 9.0 | | 44.6 | 38.8 | B | 9.0 | | 11.1 | 4.4 | | 9.2 | | 22.9 | 8.3 | b |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 36.38 | 2.41 | | 10pr. | | 36.86 | 2.21 | | 10pr. | | 37.41 | 1.93 | | 10pr. | | 37.81 | 1.67 | | 10pr. | | 38.07 | 1.48 | |

| | 801—860 | | | | 861—920 | | | | 921—980 | | | | 981—1040 | | | | 1041—1100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ʰ | | +31° | | 4ʰ—5ʰ | | +31° | | 5ʰ | | +31° | | 5ʰ | | +31° | | 5ʰ | | +31° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.5 | 28 | 25.4 | 26.6 | | 9.1 | 57 43.6 | 1.4 | | 9.0 | 10 55.2 | 19.9 | | 9.4 | 19 33.1 | 20.8 | | 9.5 | 30 32.4 | 34.9 | |
| 9.2 | | 44.3 | 43.3 | αB | 9.5 | 58 22.0 | 21.7 | | 9.0 | 11 10.3 | 29.8 | B | 8.6 | 20 1.9 | 17.9 | | 9.5 | | 37.6 | 50.8 | |
| 7.0 | | 57.1 | 41.9 | K | 9.5 | 59 6.2 | 0.0 | | 9.4 | | 15.0 | 3.8 | 9.5 | | 4.8 | 50.0 | | 8.0 | | 38.9 | 48.6 | B |
| 9.3 | 29 | 50.0 | 47.0 | | 9.5 | | 39.8 | 0.8 | 9.5 | | 15.8 | 30.6 | 9.5 | | 14.2 | 33.5 | | 8.9 | | 48.1 | 16.8 | K |
| 7.8 | | 57.4 | 28.1 | B | 8.5 | | 58.9 | 29.7 | Kb | 9.5 | | 19.7 | 53.0 | 9.5 | | 22.0 | 30.5 | | 9.5 | | 49.0 | 50.7 | |
| 9.5 | 30 | 21.2 | 19.4 | | 9.5 | 0 | 40.0 | 13.8 | | 9.4 | | 33.3 | 55.7 | 9.5 | | 25.3 | 30.8 | | 9.5 | | 57.8 | 14.8 | |
| 9.0 | | 35.8 | 44.0 | | 7.8 | | 43.3 | 45.0 | K | 9.5 | | 48.6 | 40.4 | 9.5 | | 38.3 | 24.8 | | 9.5 | 31 | 7.3 | 54.9 | |
| 9.3 | 31 | 53.1 | 22.6 | b | 9.5 | | 46.9 | 59.0 | | 9.5 | | 50.7 | 39.9 | 9.5 | | 42.3 | 32.2 | | 6.4 | | 12.7 | 16.4 | K |
| 9.4 | | 55.3 | 29.2 | | 9.5 | 1 | 11.4 | 57.4 | | 9.2 | | 54.1 | 59.4 | 7.7 | | 56.5 | 40.8 | B | 6.6 | | 16.3 | 50.0 | K |
| 9.5 | 33 | 12.6 | 53.9 | | 9.2 | | 22.6 | 25.4 | K | 9.5 | 12 | 0.5 | 0.9 | 8.9 | | 59.4 | 57.9 | | 8.9 | | 19.4 | 48.0 | |
| 9.5 | | 54.1 | 21.1 | | *7.9 | | 37.4 | 51.0 | K | 9.1 | | 5.4 | 49.0 | 7.8 | 21 | 6.9 | 10.0 | K | 9.3 | | 28.2 | 17.9 | |
| 9.5 | 35 | 31.5 | 22.4 | | *8.9 | | 40.0 | 47.5 | | 9.5 | | 6.1 | 37.5 | 7.1 | | 13.1 | 23.5 | B | 9.5 | | 29.4 | 43.8 | |
| 9.0 | | 51.0 | 59.6 | | 9.5 | | 52.5 | 7.5 | | 9.5 | | 7.2 | 20.4 | 8.9 | | 26.2 | 13.5 | K | 9.5 | | 34.0 | 13.4 | |
| 9.3 | 37 | 0.3 | 59.4 | | 9.5 | 2 | 6.4 | 16.2 | | 9.4 | | 8.7 | 22.7 | 9.5 | | 33.6 | 53.7 | | 9.5 | | 41.9 | 35.4 | |
| 9.0 | | 49.2 | 19.7 | | 9.0 | | 19.0 | 26.6 | K | 9.1 | | 8.9 | 19.0 | 9.5 | | 55.8 | 49.8 | | 9.5 | | 53.4 | 23.1 | a |
| 5.3 | 39 | 55.5 | 10.6 | K | 9.4 | | 32.2 | 32.7 | | 9.5 | | 16.2 | 19.4 | 9.5 | 22 | 9.1 | 31.0 | | 8.1 | | 58.5 | 6.3 | K |
| 7.8 | 41 | 30.1 | 18.4 | K | 9.5 | | 33.7 | 49.7 | | 9.5 | | 34.2 | 2.8 | 9.5 | | 9.8 | 55.5 | | *9.5 | 32 | 22.9 | 8.3 | |
| 9.4 | 42 | 57.0 | 21.1 | | 9.3 | | 44.8 | 19.0 | | 9.4 | | 35.0 | 55.7 | 8.3 | | 10.4 | 23.6 | K | *8.9 | | 46.8 | 47.8 | K |
| 9.4 | | 57.3 | 16.3 | | 9.5 | | 46.7 | 38.0 | | 7.5 | | 46.4 | 13.0 | K | 9.2 | | 16.7 | 30.3 | | 9.5 | | 59.1 | 29.0 | |
| 9.2 | | 59.1 | 28.1 | | 9.3 | 3 | 1.3 | 49.4 | B | 9.3 | | 51.0 | 54.0 | | 9.5 | | 38.9 | 13.5 | | 9.5 | 33 | 15.0 | 53.7 | |
| 7.0 | 43 | 7.8 | 43.6 | Kb | 9.4 | | 9.5 | 9.0 | | 9.5 | 13 | 5.3 | 58.8 | 7.6 | 23 | 20.4 | 55.0 | K | 9.5 | | 22.6 | 0.3 | |
| 9.5 | | 14.6 | 1.8 | | 9.5 | | 49.6 | 31.4 | | 9.5 | | 6.3 | 19.6 | 9.4 | | 26.0 | 2.6 | | 9.5 | | 36.9 | 12.6 | |
| 9.5 | 44 | 43.7 | 0.0 | | 8.4 | | 50.9 | 53.5 | K | 9.5 | | 31.4 | 56.9 | 7.0 | | 34.5 | 45.6 | K | 9.5 | | 46.3 | 57.2 | |
| 8.5 | | 47.9 | 56.9 | K | 9.3 | | 51.6 | 27.1 | | 9.5 | | 35.6 | 46.3 | 9.2 | | 35.9 | 25.8 | | 9.0 | | 57.7 | 10.0 | |
| 9.5 | 45 | 4.2 | 4.0 | | 9.5 | 4 | 8.2 | 0.3 | | 9.2 | | 37.0 | 30.5 | 9.2 | | 40.3 | 29.0 | | 9.1 | 34 | 13.8 | 41.1 | b |
| 9.4 | | 30.5 | 49.7 | | 8.5 | | 10.9 | 16.8 | K | 9.5 | | 43.5 | 40.1 | 9.5 | | 50.3 | 12.7 | | 9.3 | | 20.7 | 59.2 | B |
| 9.1 | 46 | 5.6 | 43.3 | | 9.5 | | 22.0 | 51.5 | | 9.0 | | 44.3 | 1.1 | K | 9.0 | 24 | 45.8 | 4.3 | K | 9.2 | | 21.3 | 3.6 | K |
| 7.2 | | 6.4 | 54.0 | L | 8.7 | | 34.3 | 23.6 | K | 8.5 | | 45.3 | 0.4 | K | 9.5 | | 53.7 | 24.3 | | 9.4 | | 29.5 | 29.8 | |
| 9.4 | | 7.8 | 22.5 | αB | 9.5 | | 35.2 | 58.9 | | 8.7 | | 46.0 | 37.3 | B | 9.5 | 25 | 5.5 | 56.0 | | 7.9 | | 46.3 | 56.2 | L |
| 9.3 | | 20.1 | 52.9 | | 9.1 | | 39.0 | 52.8 | | 9.2 | 14 | 17.1 | 58.1 | | 9.5 | | 12.0 | 44.0 | B | 9.4 | | 51.6 | 18.4 | |
| 9.4 | | 33.4 | 17.3 | B | 9.0 | | 50.7 | 48.0 | | 9.5 | | 54.3 | 46.5 | | 9.5 | | 26.0 | 12.4 | | 9.3 | 35 | 19.2 | 15.4 | B |
| 9.3 | 47 | 15.2 | 58.0 | αB | 9.5 | 5 | 3.4 | 40.1 | | 9.5 | 15 | 12.9 | 22.8 | | 9.3 | | 27.5 | 52.2 | | 8.2 | | 19.7 | 14.7 | K |
| 9.3 | | 46.5 | 46.2 | αB | 9.2 | | 8.7 | 50.7 | | 9.3 | | 14.5 | 7.0 | | 9.0 | | 28.8 | 31.9 | K | 9.2 | | 22.5 | 34.0 | |
| 9.5 | 48 | 48.0 | 2.3 | | 8.5 | | 9.3 | 31.5 | K | 6.6 | | 18.3 | 5.0 | K | 9.5 | | 30.0 | 14.4 | | 9.4 | | 22.7 | 16.3 | |
| 9.5 | | 48.0 | 6.0 | | 6.8 | | 18.6 | 13.8 | K | 6.4 | | 18.7 | 0.2 | K | 9.2 | | 38.4 | 17.3 | | 9.2 | | 23.7 | 20.5 | |
| 9.3 | | 59.8 | 0.9 | | 9.2 | | 23.5 | 31.0 | | 9.5 | | 50.9 | 33.7 | | 9.5 | | 49.1 | 36.2 | | 9.5 | | 45.1 | 10.5 | |
| 9.5 | 49 | 1.2 | 5.5 | | 9.5 | | 33.4 | 26.1 | | 9.4 | | 55.0 | 7.0 | | 9.5 | | 50.0 | 0.5 | | 9.0 | | 52.8 | 13.7 | K |
| 9.3 | 50 | 11.9 | 12.1 | | 8.2 | | 38.6 | 33.7 | K | 9.5 | 16 | 2.2 | 58.9 | | 9.5 | 26 | 40.3 | 27.8 | | 9.3 | 36 | 2.3 | 34.9 | B |
| 8.0 | | 15.8 | 22.2 | K | 9.4 | | 52.5 | 4.8 | | 9.4 | | 16.7 | 53.2 | | 9.2 | | 41.9 | 3.1 | K | 8.8 | | 6.3 | 8.7 | K |
| 8.3 | | 20.3 | 3.6 | K | 9.3 | 6 | 0.0 | 32.3 | | 9.0 | | 26.3 | 51.9 | K | 7.7 | 27 | 0.3 | 54.5 | K | 6.7 | | 6.6 | 14.7 | K |
| 9.3 | | 31.5 | 36.3 | B | 8.7 | | 5.2 | 37.4 | | 9.5 | | 30.1 | 19.9 | | 9.5 | | 11.8 | 58.5 | | 9.2 | | 15.9 | 57.1 | |
| 9.3 | | 46.6 | 44.5 | | 9.5 | | 16.3 | 38.4 | | 9.5 | | 31.2 | 45.5 | | 9.5 | | 15.9 | 45.4 | | 9.2 | | 17.5 | 52.7 | |
| 9.5 | 51 | 39.8 | 58.0 | | 9.5 | | 17.1 | 48.0 | | 9.1 | | 47.8 | 53.9 | K | 9.4 | | 31.8 | 42.6 | | 9.5 | | 18.6 | 59.3 | |
| 9.5 | | 48.3 | 1.1 | | 9.5 | | 30.9 | 12.9 | | 9.2 | 17 | 7.5 | 47.2 | | 9.4 | | 34.3 | 13.0 | | 8.8 | | 48.8 | 19.3 | K |
| 7.0 | 52 | 25.6 | 34.1 | K | 8.3 | | 43.7 | 38.3 | K | 9.2 | | 17.3 | 1.5 | | 7.8 | | 58.2 | 13.7 | Kb | 9.3 | | 59.3 | 50.3 | |
| 8.9 | | 29.1 | 25.1 | K | 9.5 | 7 | 6.8 | 12.4 | | 8.9 | | 30.7 | 2.0 | B | 9.2 | 28 | 5.7 | 27.3 | | 8.6 | 37 | 32.0 | 54.5 | |
| 9.5 | | 29.6 | 8.9 | | 9.5 | | 10.2 | 4.7 | | 9.2 | | 31.8 | 17.7 | | 8.9 | | 7.0 | 40.6 | K | 9.3 | | 35.9 | 31.2 | |
| 9.5 | | 37.3 | 3.3 | | 9.4 | | 16.8 | 43.3 | | 9.0 | | 45.1 | 38.0 | | 9.5 | | 30.6 | 23.8 | | 9.5 | | 38.7 | 19.7 | |
| 8.5 | | 56.9 | 3.1 | Kb | 9.2 | | 22.5 | 39.8 | K | 9.3 | | 46.4 | 47.9 | | 9.5 | | 32.5 | 54.7 | | 9.3 | | 42.6 | 50.3 | |
| 9.5 | 53 | 4.5 | 9.6 | | 8.2 | | 38.4 | 22.5 | L | 9.5 | | 51.7 | 19.0 | | 9.4 | | 40.0 | 7.5 | αB | 9.5 | | 48.9 | 7.4 | |
| 9.4 | | 5.9 | 5.4 | αB | 8.8 | | 45.3 | 55.6 | Kb | 9.5 | | 56.8 | 1.9 | | 9.5 | | 40.4 | 3.5 | | 7.5 | | 49.3 | 35.7 | L |
| 9.5 | | 10.6 | 43.2 | | 9.4 | | 54.3 | 1.8 | | 9.0 | 18 | 0.1 | 57.6 | | 9.4 | | 49.0 | 55.7 | B | 9.2 | | 52.4 | 1.6 | |
| 9.4 | | 53.7 | 26.2 | | 9.1 | | 55.2 | 6.2 | K | 8.3 | | 6.9 | 16.0 | | 9.5 | | 53.2 | 57.2 | | 9.1 | 38 | 0.9 | 24.0 | K |
| 9.5 | 54 | 13.8 | 24.1 | | 8.0 | 8 | 7.3 | 39.5 | K | 8.8 | | 20.3 | 55.2 | | 9.5 | 29 | 31.3 | 0.2 | | 9.2 | | 16.2 | 19.3 | K |
| 9.0 | | 46.9 | 17.8 | | 8.6 | 9 | 2.4 | 33.2 | K | 9.1 | | 39.2 | 42.6 | b | 8.8 | | 34.8 | 17.4 | | 8.7 | | 17.6 | 55.4 | |
| 9.1 | 55 | 12.2 | 34.5 | b | 9.1 | | 5.3 | 17.9 | K | 9.1 | | 44.0 | 44.8 | | 9.5 | | 46.3 | 25.1 | | 9.5 | | 18.6 | 26.7 | |
| 8.8 | | 19.3 | 58.4 | | 9.4 | | 7.1 | 6.3 | | 9.1 | 19 | 7.8 | 21.8 | | 9.5 | | 46.5 | 19.9 | | 9.4 | | 47.1 | 31.4 | |
| 9.1 | 56 | 29.6 | 3.6 | | 9.2 | 10 | 7.5 | 1.1 | | 9.5 | | 9.6 | 24.8 | | 9.2 | | 51.9 | 47.3 | | 9.5 | | 53.9 | 23.6 | |
| 9.4 | | 49.4 | 3.9 | | 9.5 | | 24.9 | 20.4 | | 9.4 | | 11.9 | 46.0 | | 9.5 | 30 | 8.3 | 40.1 | | 9.1 | | 59.0 | 44.6 | |
| 9.5 | 57 | 26.1 | 16.3 | | 9.5 | | 25.0 | 47.5 | | 9.2 | | 12.7 | 31.0 | | 8.1 | | 28.1 | 8.5 | K | 8.7 | 39 | 3.8 | 9.8 | L |
| | | + | + | | | | + | + | | | + | + | | | + | + | | | + | + | | |
| 10pr. | | 38.49 | 1.06 | | 10pr. | | 38.67 | 0.80 | 10pr. | | 38.75 | 0.66 | 10pr. | | 38.82 | 0.51 | 10pr. | | 38.86 | 0.36 | | |

871 a
8.5 | 1 37.8 | 51.1 | B

1057 a
var | 32 43 | 57.8 |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ʰ | | +31° | | | 5ʰ—6ʰ | | +31° | | | 6ʰ | | +31° | | | 6ʰ | | +31° | | | 6ʰ | | +31° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 39 | 11.7 | 54.9 | | 9.5 | 51 | 16.7 | 23.7 | | 8.8 | 1 | 17.9 | 21.0 | | 9.2 | 14 | 11.5 | 46.4 | | 9.0 | 25 | 35.0 | 38.1 | |
| 9.1 | | 26.4 | 3.1 | *a* | 7.7 | | 26.7 | 56.8 | K | 9.3 | | 47.8 | 9.7 | | 9.3 | | 23.9 | 26.2 | | 7.0 | | 38.8 | 32.7 | K |
| 9.1 | | 30.3 | 9.3 | | 9.5 | | 39.6 | 17.7 | | 7.9 | 2 | 19.9 | 12.3 | *Kb* | 8.5 | | 24.4 | 50.7 | | 9.5 | | 46.9 | 29.1 | |
| 8.7 | | 33.8 | 28.6 | | 6.5 | | 48.0 | 1.2 | K | 9.5 | | 42.0 | 4.6 | | 9.1 | | 42.0 | 17.4 | *b* | 9.3 | | 52.9 | 31.6 | |
| 9.4 | | 38.7 | 9.3 | | 7.8 | | 49.9 | 31.1 | *B* | 9.5 | | 47.9 | 10.3 | | 9.5 | | 50.9 | 27.3 | | 8.6 | | 55.9 | 30.2 | K |
| 9.2 | | 42.5 | 47.1 | K | 9.4 | 52 | 0.2 | 54.3 | | 8.8 | | 52.8 | 27.1 | | 9.5 | 15 | 17.7 | 15.6 | | 8.6 | | 59.1 | 56.2 | |
| 9.1 | | 58.4 | 27.3 | | 9.5 | | 0.4 | 47.4 | | 9.0 | 3 | 1.9 | 26.0 | | 9.0 | | 26.1 | 53.6 | K | 9.4 | 26 | 0.6 | 18.2 | B |
| 9.5 | 40 | 6.8 | 7.7 | | 8.0 | | 26.9 | 19.3 | K | 9.5 | | 18.0 | 7.2 | | 9.4 | | 43.7 | 42.5 | | 9.5 | | 4.5 | 18.3 | B |
| 9.5 | | 21.3 | 46.8 | | 9.5 | 53 | 14.1 | 49.7 | | 9.0 | | 33.0 | 8.3 | K | 9.4 | | 57.9 | 9.9 | | 9.4 | | 16.9 | 57.4 | |
| 9.5 | | 27.7 | 49.3 | | 9.5 | | 21.5 | 24.8 | | 9.1 | | 35.6 | 40.2 | *a b* | 9.2 | | 58.4 | 6.9 | K | 9.3 | | 34.4 | 12.6 | |
| 7.0 | | 31.4 | 44.1 | K | 9.4 | | 22.6 | 2.6 | | 9.0 | 4 | 6.0 | 26.6 | K | 9.5 | 16 | 11.4 | 23.2 | | 6.5 | | 36.8 | 35.2 | K |
| 9.5 | | 42.3 | 48.5 | | 9.3 | | 39.5 | 36.3 | | 9.5 | | 9.8 | 41.6 | | 8.9 | | 19.6 | 59.1 | K | 8.9 | | 39.0 | 54.5 | |
| 9.5 | | 48.9 | 52.4 | | 9.2 | | 45.1 | 0.6 | | 9.5 | | 10.1 | 47.7 | | 9.2 | | 38.5 | 29.1 | *b* | 9.5 | | 48.9 | 12.3 | |
| 9.5 | | 55.4 | 56.7 | | 8.8 | | 45.3 | 2.0 | K | 9.4 | | 20.0 | 33.3 | | 9.5 | 17 | 4.0 | 51.1 | | 7.8 | 27 | 10.9 | 27.9 | K |
| 8.0 | 41 | 6.8 | 1.0 | K | 7.4 | | 58.6 | 23.1 | B | 9.5 | | 22.4 | 23.4 | | 9.4 | | 26.8 | 9.4 | | 9.5 | | 33.5 | 12.6 | |
| 9.4 | | 18.0 | 41.1 | | *9.3 | | 59.0 | 26.7 | | 9.4 | | 47.9 | 4.6 | *B* | 8.8 | | 37.5 | 7.9 | K | 8.1 | | 35.2 | 1.9 | B |
| 9.1 | | 22.3 | 9.5 | | *9.4 | 54 | 3.1 | 39.1 | | 9.1 | 5 | 12.9 | 4.9 | *Kb* | 9.3 | | 47.9 | 40.8 | | 9.3 | | 51.5 | 2.9 | |
| 9.5 | | 33.9 | 25.3 | | 9.5 | | 26.3 | 9.9 | | 9.4 | | 16.3 | 1.8 | | 9.5 | 18 | 19.5 | 7.2 | | 7.8 | | 57.0 | 49.3 | K |
| 8.3 | | 37.0 | 33.7 | K | 9.0 | | 30.1 | 19.3 | K | 8.6 | | 23.9 | 42.4 | L | 9.5 | | 34.7 | 4.2 | | 9.5 | 28 | 11.4 | 3.5 | |
| 9.5 | | 51.3 | 37.9 | | 9.4 | | 36.9 | 12.1 | | 9.5 | | 28.7 | 50.3 | | 9.5 | | 41.9 | 4.0 | | 9.2 | | 29.9 | 53.9 | K |
| 9.5 | | 58.1 | 30.7 | | 8.7 | | 37.3 | 38.0 | K | 9.2 | | 35.1 | 44.1 | | 9.0 | 19 | 0.7 | 20.9 | B | 9.3 | | 39.9 | 8.8 | |
| 9.4 | 42 | 0.4 | 18.4 | | 9.4 | | 47.2 | 34.9 | | 9.3 | | 38.9 | 20.3 | | 9.5 | | 20.6 | 24.5 | | 9.5 | | 40.8 | 11.9 | |
| 9.0 | | 2.6 | 17.8 | | 9.5 | | 49.9 | 29.7 | | 9.5 | | 50.6 | 35.9 | B | 9.2 | 20 | 2.8 | 35.8 | R | 7.0 | | 43.3 | 0.0 | K |
| 9.5 | | 7.6 | 5.5 | | 9.5 | 55 | 2.6 | 6.5 | | 8.0 | | 51.9 | 30.4 | K | 9.2 | | 6.0 | 39.8 | R | 8.1 | 29 | 0.9 | 20.1 | L |
| 9.5 | | 56.5 | 47.8 | | 9.5 | | 5.0 | 8.3 | | 9.5 | | 52.6 | 35.2 | | 9.5 | | 7.9 | 20.3 | | 8.8 | | 5.9 | 27.0 | R |
| 9.4 | 43 | 5.3 | 44.6 | | 9.3 | | 5.4 | 0.6 | | 8.5 | 6 | 17.9 | 52.8 | L | 9.5 | | 21.7 | 58.8 | | 8.7 | | 14.8 | 35.2 | |
| 8.7 | | 11.5 | 24.6 | K | 8.7 | | 15.0 | 3.0 | B | 9.5 | | 32.6 | 36.0 | *aB* | 9.4 | | 43.3 | 36.0 | B | 9.5 | | 24.9 | 24.6 | |
| 9.2 | | 13.3 | 37.0 | | 9.5 | | 28.6 | 20.3 | B | 9.4 | | 33.4 | 8.2 | | 8.8 | | 49.9 | 53.2 | R | 9.1 | | 26.1 | 56.7 | |
| 9.5 | | 16.8 | 53.0 | | 9.5 | 56 | 4.9 | 48.2 | | 8.8 | | 47.0 | 23.5 | K | 8.5 | | 53.0 | 33.9 | R | 7.1 | | 41.8 | 53.2 | L |
| 9.3 | | 39.7 | 41.9 | | 9.2 | | 19.8 | 59.6 | | 9.3 | 7 | 9.9 | 5.2 | | 9.2 | 21 | 0.9 | 58.2 | | 8.3 | | 51.0 | 42.9 | K |
| 9.5 | | 58.0 | 34.0 | | 9.5 | | 22.7 | 2.7 | | 7.8 | | 11.6 | 35.5 | K | 9.5 | | 3.4 | 19.5 | | 9.5 | | 51.7 | 12.0 | |
| 9.1 | | 58.2 | 26.6 | K | 8.8 | | 27.2 | 39.5 | | 8.8 | | 12.8 | 11.8 | | 8.1 | | 12.1 | 58.1 | L | 9.4 | 30 | 6.5 | 38.4 | |
| 9.5 | 44 | 35.6 | 27.8 | | 7.9 | | 31.6 | 57.7 | K | 9.3 | | 16.5 | 0.3 | | 9.5 | | 16.5 | 4.8 | | 9.5 | | 9.3 | 3.2 | |
| 9.1 | 45 | 5.3 | 7.1 | | 9.1 | | 46.9 | 6.9 | | 9.0 | | 19.9 | 24.5 | K | 9.5 | | 28.0 | 33.3 | | 9.4 | | 16.9 | 26.4 | |
| 9.1 | | 8.3 | 7.3 | | 8.0 | | 57.9 | 25.3 | L | 9.4 | | 40.3 | 25.0 | | 9.0 | | 41.9 | 9.1 | R | 9.5 | | 19.4 | 12.8 | |
| 9.0 | | 14.2 | 7.3 | | 8.6 | 57 | 10.6 | 58.5 | K | 9.2 | | 45.0 | 8.5 | | 9.3 | | 42.4 | 13.8 | | 9.5 | | 38.4 | 49.4 | |
| 9.0 | | 14.7 | 11.3 | | 9.5 | | 34.5 | 33.4 | B | 9.3 | | 47.7 | 55.7 | | 9.5 | | 53.7 | 49.9 | | 9.3 | | 58.0 | 44.5 | |
| 9.4 | | 29.1 | 45.1 | | 9.2 | 58 | 0.6 | 58.6 | | 9.4 | | 55.6 | 17.1 | | 8.7 | 22 | 4.9 | 40.5 | R | 9.4 | 31 | 11.8 | 50.9 | |
| 6.2 | | 35.2 | 40.5 | *Kb* | 9.5 | | 7.7 | 55.8 | | 9.5 | 8 | 12.0 | 39.3 | B | 8.8 | | 21.9 | 19.2 | | 9.4 | | 13.3 | 24.7 | |
| 9.5 | | 56.3 | 58.9 | | 9.5 | | 36.9 | 26.0 | | 9.5 | | 16.2 | 57.3 | | 9.0 | | 22.4 | 36.0 | | 9.2 | | 14.9 | 19.0 | |
| 9.5 | 46 | 5.7 | 12.1 | | 9.1 | | 39.3 | 58.4 | | 9.4 | | 41.6 | 21.9 | | 9.3 | | 32.0 | 32.8 | | 7.7 | | 20.7 | 14.1 | K |
| 9.4 | | 29.8 | 50.3 | | 9.4 | | 45.0 | 2.8 | | 9.5 | 9 | 6.4 | 13.5 | | 9.5 | | 32.4 | 57.7 | | 9.3 | | 23.9 | 38.0 | |
| 9.5 | | 49.0 | 40.7 | | 8.0 | 59 | 0.9 | 12.9 | K | 8.6 | | 8.7 | 9.8 | K | 9.1 | | 44.9 | 9.6 | K | 8.8 | | 41.8 | 28.2 | K |
| 9.4 | | 58.5 | 13.0 | | 9.3 | | 3.9 | 50.0 | | 8.8 | | 39.9 | 25.0 | K | 9.5 | 23 | 7.8 | 11.0 | | 9.5 | | 58.9 | 28.9 | |
| 9.2 | 47 | 43.1 | 40.4 | B | 9.4 | | 17.1 | 9.4 | | 9.5 | | 48.7 | 50.8 | | 9.0 | | 10.2 | 25.1 | | 9.4 | 32 | 2.0 | 38.0 | |
| 9.2 | | 54.4 | 46.0 | B | 9.4 | | 42.4 | 50.3 | | 9.4 | | 55.0 | 27.8 | | 9.5 | | 15.7 | 29.3 | | 9.5 | | 22.6 | 36.5 | |
| 8.9 | | 59.9 | 12.6 | | 7.2 | | 43.8 | 16.8 | *Kb* | 9.5 | 10 | 40.9 | 30.5 | | 9.5 | | 40.6 | 2.6 | | 9.5 | | 26.4 | 3.7 | |
| 9.1 | 48 | 4.4 | 39.5 | | *8.7 | | 48.7 | 45.5 | K | 9.5 | | 51.9 | 52.7 | | 9.4 | | 43.0 | 53.0 | | 8.1 | | 46.7 | 35.1 | K |
| 9.1 | | 8.5 | 5.2 | | 9.4 | | 58.9 | 33.2 | | 8.9 | | 55.5 | 13.7 | K | 9.1 | | 43.4 | 26.6 | K | 8.2 | 33 | 9.6 | 56.6 | *B* |
| 9.5 | | 26.5 | 26.7 | | 9.4 | 0 | 2.0 | 46.0 | | 9.4 | 11 | 0.6 | 17.4 | | 9.5 | 24 | 17.9 | 3.7 | | 9.2 | | 22.4 | 51.2 | |
| 9.3 | | 41.2 | 35.8 | *Kb* | 9.5 | | 15.9 | 28.5 | | 7.7 | | 26.8 | 41.8 | K | 9.1 | | 31.1 | 46.0 | | 8.6 | 34 | 10.9 | 5.8 | |
| 9.5 | | 44.8 | 51.2 | | 9.5 | | 33.7 | 25.5 | | 8.8 | | 35.1 | 23.0 | K | 9.5 | | 42.6 | 56.0 | | 7.8 | | 11.4 | 30.5 | L |
| 9.5 | 49 | 12.0 | 54.7 | | 9.2 | | 44.9 | 37.5 | | 9.1 | | 50.0 | 11.9 | | 9.0 | | 44.7 | 16.3 | | 7.8 | | 17.8 | 35.2 | L |
| 9.0 | | 41.2 | 0.7 | K | 9.5 | | 47.0 | 47.2 | | 8.9 | 12 | 9.0 | 12.9 | | 8.9 | | 46.9 | 6.2 | | 9.5 | | 22.0 | 27.3 | |
| 9.5 | | 43.8 | 5.1 | | 9.2 | | 47.9 | 0.8 | K | 8.8 | | 25.1 | 4.5 | | 9.4 | | 51.9 | 13.6 | | 9.3 | | 38.9 | 10.5 | |
| 8.0 | 50 | 0.9 | 2.7 | K | 9.5 | | 56.6 | 1.3 | | 9.4 | | 27.1 | 57.2 | | 9.5 | | 55.7 | 40.5 | | 9.5 | | 57.5 | 47.4 | B |
| 9.4 | | 47.6 | 47.5 | | 9.1 | 1 | 1.1 | 26.5 | | 9.4 | 13 | 5.9 | 35.2 | | 9.0 | | 58.9 | 6.9 | K | 9.3 | 35 | 3.2 | 36.8 | |
| 6.8 | | 53.1 | 55.5 | K | 9.4 | | 2.8 | 52.9 | | 7.8 | | 7.6 | 0.7 | L | 8.4 | 25 | 11.9 | 4.4 | K | 9.0 | | 9.7 | 29.4 | |
| 9.0 | | 56.6 | 25.5 | | 9.3 | | 10.2 | 33.4 | | 9.2 | | 24.8 | 36.1 | | 9.3 | | 12.8 | 2.1 | B | 9.3 | | 31.9 | 16.3 | |
| 9.5 | 51 | 0.0 | 10.7 | | 7.5 | | 13.1 | 58.9 | L | 9.5 | 14 | 5.0 | 19.3 | | 9.3 | | 24.3 | 25.3 | B | 9.5 | | 38.3 | 35.1 | |
| | | + | + | | | | + | + | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *38.89* | *0.24* | | *10pr.* | | *38.91* | *0.05* | | *10pr.* | | *38.90* | *0.11* | | *10pr.* | | *38.88* | *0.31* | | *10pr.* | | *38.84* | *0.44* | |

*1176 α*
*9.5 | 54 0.5 | 31.6*

1401—1460

| | 6ʰ | | +31° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.4 | 35 | 53.7 | 19.5 | B |
| 8.3 | | 57.5 | 23.4 | K |
| 9.5 | 36 | 8.9 | 36.0 | |
| 8.6 | | 35.8 | 59.1 | K |
| 9.1 | | 48.9 | 31.4 | K |
| 8.9 | | 59.0 | 24.2 | |
| 9.1 | 37 | 2.5 | 33.1 | |
| 9.5 | | 11.4 | 53.7 | |
| 8.8 | | 23.9 | 25.9 | Kb |
| 9.4 | | 24.9 | 23.3 | B |
| 9.5 | 38 | 8.7 | 12.5 | |
| 9.5 | | 15.2 | 31.5 | |
| 7.3 | | 21.9 | 50.8 | K |
| 7.8 | | 36.8 | 10.6 | Lb |
| 8.5 | | 58.8 | 22.0 | |
| 8.5 | 39 | 18.4 | 25.1 | K |
| 9.5 | | 45.4 | 20.0 | |
| 7.5 | 40 | 35.9 | 41.9 | K |
| 9.1 | 41 | 12.4 | 13.1 | |
| 8.7 | | 13.0 | 58.9 | B |
| 8.3 | | 16.4 | 33.0 | L |
| 9.2 | | 19.3 | 38.0 | B |
| 9.5 | | 41.5 | 34.4 | |
| 9.5 | | 43.0 | 53.4 | B |
| 9.2 | | 49.8 | 8.8 | b |
| 9.5 | 42 | 43.0 | 18.6 | |
| 9.2 | 43 | 13.2 | 31.6 | |
| 8.8 | | 43.0 | 36.5 | K |
| 9.4 | | 57.7 | 13.1 | B |
| 9.5 | 44 | 3.3 | 9.1 | |
| 9.5 | | 8.8 | 38.1 | |
| 9.2 | | 28.7 | 9.7 | |
| 7.8 | | 36.7 | 17.7 | L |
| 8.5 | | 52.5 | 41.2 | K |
| 9.5 | 45 | 14.4 | 0.0 | |
| 9.4 | | 30.5 | 25.4 | |
| 9.4 | | 32.2 | 17.5 | |
| 8.8 | | 35.5 | 33.7 | L |
| 9.4 | | 50.8 | 10.3 | |
| 9.2 | | 53.7 | 57.5 | |
| 8.5 | | 56.5 | 6.5 | K |
| 8.6 | | 58.7 | 56.1 | L |
| 8.6 | 46 | 2.5 | 19.2 | |
| 9.5 | | 14.9 | 4.7 | |
| 9.5 | | 16.0 | 13.4 | |
| 8.8 | | 20.0 | 48.6 | |
| 9.5 | | 45.4 | 3.4 | |
| 9.2 | | 53.1 | 28.7 | |
| 8.3 | 47 | 24.0 | 34.1 | K |
| 9.4 | | 34.9 | 0.2 | |
| 9.2 | | 45.4 | 13.9 | |
| 9.1 | | 52.8 | 26.7 | |
| 8.5 | 48 | 17.3 | 24.2 | K |
| 9.4 | | 18.0 | 50.3 | |
| 9.2 | | 19.8 | 59.6 | |
| 9.5 | | 31.3 | 18.3 | |
| 8.5 | | 49.4 | 38.1 | L |
| 9.3 | | 53.5 | 18.0 | B |
| 9.5 | 49 | 30.0 | 16.2 | |
| 9.2 | | 50.4 | 28.7 | K |
| 10pr. | | 38.76 | 0.64 | |

1461—1520

| | 6ʰ—7ʰ | | +31° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.1 | 50 | 6.0 | 42.1 | |
| 9.5 | | 23.1 | 9.8 | |
| 9.3 | | 25.4 | 52.6 | Kb |
| 9.5 | | 45.2 | 22.2 | |
| 9.4 | 51 | 3.6 | 8.3 | |
| 9.4 | | 8.0 | 16.2 | a |
| 9.3 | | 14.8 | 33.6 | |
| 9.5 | | 26.0 | 5.1 | |
| 9.3 | 52 | 1.3 | 30.7 | |
| 9.5 | | 17.9 | 2.3 | |
| 8.0 | | 58.6 | 26.5 | B |
| 9.4 | 53 | 15.5 | 46.9 | B |
| 7.8 | | 18.7 | 34.1 | K |
| 8.0 | | 25.1 | 46.0 | K |
| 8.8 | | 40.1 | 7.8 | K |
| 9.4 | 54 | 4.4 | 2.4 | |
| 9.5 | | 7.5 | 47.1 | |
| 9.2 | | 12.1 | 7.8 | B |
| 9.1 | | 14.0 | 15.7 | K |
| 9.3 | | 41.0 | 59.5 | |
| 9.5 | 55 | 29.0 | 13.0 | |
| 9.5 | | 29.1 | 19.0 | B |
| 9.4 | | 50.2 | 53.7 | |
| 8.6 | 56 | 9.0 | 35.1 | K |
| 9.5 | | 11.6 | 9.6 | |
| 9.5 | | 14.2 | 52.9 | |
| 6.7 | | 27.5 | 37.6 | K |
| 9.3 | | 44.3 | 14.7 | |
| 9.0 | | 53.4 | 18.7 | |
| 9.2 | | 55.0 | 30.4 | aB |
| 9.2 | 57 | 12.7 | 54.5 | |
| 9.5 | | 40.8 | 10.2 | |
| 9.5 | 58 | 0.3 | 40 6 | |
| 8.7 | | 21.5 | 25.3 | L |
| 8.7 | 59 | 3.1 | 32.6 | K |
| 9.0 | | 13.0 | 41.6 | |
| 9.1 | | 27.2 | 52.2 | K |
| 9.5 | | 29.7 | 40.6 | |
| 9.4 | 0 | 12.5 | 48.9 | |
| 9.4 | | 22.3 | 23.7 | |
| 9.3 | 1 | 18.2 | 23.7 | |
| 9.4 | | 28.6 | 26.7 | |
| 9.4 | | 44.7 | 46.4 | |
| 9.1 | | 58.8 | 39.1 | |
| 8.2 | 2 | 19.6 | 35.7 | K |
| 8.7 | | 43.3 | 42.9 | K |
| 9.4 | 3 | 6.8 | 50.4 | |
| 9.5 | | 12.1 | 31.9 | |
| 9.4 | | 13.5 | 4.3 | |
| 9.5 | | 25.8 | 6.1 | |
| 9.5 | | 41.7 | 1.2 | |
| 9.1 | | 46.1 | 23.2 | b |
| 9.0 | 4 | 35.5 | 6.7 | K |
| 9.2 | | 50.1 | 8.1 | |
| 9.5 | | 57.4 | 18.3 | |
| 8.5 | 5 | 27.7 | 38.4 | L |
| 8.5 | | 33.3 | 43.6 | L |
| 9.5 | | 35.2 | 50.9 | |
| 9.1 | | 47.8 | 16.0 | |
| 9.1 | 6 | 19.4 | 36.3 | K |
| 10pr. | | 38.66 | 0.83 | |

1521—1580

| | 7ʰ | | +31° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.5 | 6 | 47.3 | 5.6 | K |
| 9.2 | | 48.1 | 18.1 | |
| 9.4 | | 54.0 | 58.7 | |
| 9.3 | 7 | 49.1 | 6.3 | |
| 9.0 | | 58.8 | 34.4 | Kb |
| 9.2 | 8 | 7.1 | 5.7 | |
| 6.7 | | 10.6 | 57 3 | K |
| 9.3 | | 10.7 | 39.4 | |
| 6.5 | | 49.0 | 12.6 | L |
| 9.3 | 9 | 6.8 | 46.5 | |
| 8.5 | | 9.6 | 5.6 | K |
| 9.5 | | 27.9 | 50.7 | |
| 9.3 | 10 | 51.8 | 55.5 | |
| 8.2 | | 58.0 | 38.0 | K |
| 9.5 | 11 | 4.3 | 12.4 | |
| 9.4 | | 5.9 | 20.6 | |
| 9.0 | | 9.7 | 4.8 | B |
| 9.1 | | 11.4 | 29.1 | |
| 9.4 | | 12.1 | 35.3 | |
| 8.7 | | 27.2 | 44.1 | K |
| 9.0 | | 27.4 | 44.9 | B |
| 8.8 | | 37.4 | 58.0 | K |
| 9.1 | | 38.1 | 44.3 | |
| 8.8 | | 56.4 | 52.9 | Kb |
| 9.3 | 12 | 8.8 | 49.3 | |
| 9.5 | | 16.2 | 0.4 | |
| 9.2 | | 16.9 | 11.3 | |
| 9.1 | | 22.7 | 18.6 | |
| 8.8 | | 26.4 | 8.9 | |
| 9.5 | | 31.1 | 28.3 | |
| 8.4 | | 32.5 | 21.1 | B |
| 9.4 | | 35.3 | 21.1 | aB |
| 8.0 | 13 | 2.4 | 8.4 | K |
| 9.5 | | 37.5 | 21.1 | |
| 9.5 | 14 | 3.6 | 0.3 | |
| 9.5 | | 4.7 | 59.1 | |
| 9.4 | | 12.1 | 4.3 | |
| 9.1 | | 34.6 | 41.8 | |
| 9.1 | | 40.0 | 30.7 | |
| 8.8 | | 45.4 | 43.3 | K |
| 9.4 | | 51.8 | 8.5 | |
| 9.4 | 15 | 6.9 | 58.4 | |
| 8.7 | | 23.9 | 8.3 | K |
| 9.5 | | 27.2 | 31.2 | |
| 9.5 | | 40.0 | 49.5 | |
| 9.2 | 16 | 3.6 | 0.3 | |
| 9.5 | | 27.7 | 11.7 | |
| 9.1 | | 40.4 | 24.3 | |
| 9.5 | | 58.0 | 17.5 | |
| 9.5 | 17 | 12.3 | 36.9 | |
| 9.3 | | 15.4 | 28.5 | |
| 9.5 | | 15.7 | 23.5 | |
| 9.2 | | 20.6 | 20.5 | B |
| 7.5 | | 22.0 | 54.2 | B |
| 9.4 | | 30.4 | 5.0 | |
| 9.0 | | 31.1 | 53.2 | |
| 9.1 | | 37.4 | 11.5 | |
| 9.1 | | 49.2 | 33.9 | |
| 9.3 | | 58.4 | 43.4 | |
| *9.5 | 18 | 26.3 | 40.9 | |
| 10pr. | | 38.50 | 1.04 | |

1579 a
9.5 | 18 | 24.0 | 27.7

1581—1640

| | 7ʰ | | +31° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.9 | 18 | 45.9 | 48.2 | |
| 9.1 | | 48.4 | 84.1 | b |
| 9.5 | | 55.8 | 3.2 | |
| 9.1 | 19 | 5.8 | 24.7 | |
| 9.3 | | 6.9 | 47.2 | |
| 9.5 | | 16.5 | 54.0 | |
| 9.5 | | 36.2 | 9.2 | |
| 9.1 | | 40.5 | 50.0 | |
| 9.0 | | 52.4 | 56.1 | |
| 9.4 | | 55.3 | 30.0 | |
| 8.8 | | 57.8 | 18.9 | |
| 9.3 | 20 | 2.5 | 31.2 | B |
| 9.5 | | 8.4 | 55.4 | |
| 9.5 | | 33.8 | 36.0 | |
| 9.5 | | 34.6 | 24.0 | |
| 9.5 | | 55.2 | 16.8 | |
| 9.0 | 21 | 9.4 | 33.8 | |
| 8.0 | | 10.0 | 26.4 | K |
| 8.7 | | 12.9 | 49.4 | |
| 9.4 | | 23.5 | 28.7 | |
| 9.0 | | 27.4 | 51.3 | |
| 9.4 | 22 | 45.8 | 14.2 | |
| 8.8 | | 48.2 | 13.7 | B |
| 9.3 | | 51.2 | 53.5 | |
| 9.4 | | 59.4 | 31.4 | |
| 8.3 | 23 | 1.4 | 24.0 | K |
| 9.1 | | 21.8 | 39.1 | |
| 8.5 | | 36.6 | 35.4 | |
| 9.1 | | 43.0 | 2.8 | |
| 9.1 | | 51.5 | 35.9 | |
| 8.7 | 24 | 15.7 | 59.9 | |
| 7.8 | | 20.4 | 9.9 | B |
| 9.5 | | 32.0 | 56.5 | |
| 9.3 | | 44.7 | 58.3 | |
| 8.5 | 25 | 6.9 | 32.4 | K |
| 9.0 | | 20.3 | 30.7 | |
| 9.1 | | 26.9 | 6.7 | |
| 9.0 | | 27.5 | 26.0 | |
| 9.5 | | 47.9 | 44.0 | B |
| 6.5 | | 56.4 | 16.1 | Kb |
| 9.4 | 26 | 2.5 | 30.7 | |
| 9.3 | | 35.2 | 31.4 | |
| 8.6 | | 40.7 | 1.5 | L |
| 8.2 | | 41.4 | 46.5 | K |
| 9.5 | | 46.3 | 26.7 | |
| 9.5 | | 56.2 | 34.4 | |
| 8.5 | 27 | 8.9 | 58.7 | K |
| 8.9 | | 13.4 | 25.7 | |
| 9.4 | | 19.8 | 6.4 | |
| 9.5 | | 46.2 | 37.8 | |
| 9.5 | | 50.9 | 28.9 | |
| 9.5 | 28 | 12.5 | 8.9 | B |
| 7.5 | | 15.3 | 56.0 | K |
| 8.3 | 29 | 7.4 | 1.3 | K |
| 8.1 | | 9.9 | 38.8 | K |
| 9.2 | | 37.0 | 27.0 | |
| 9.5 | 30 | 26.1 | 21.8 | |
| 9.3 | | 36.0 | 51.2 | |
| 9.4 | | 42.4 | 17.3 | |
| 9.4 | 31 | 40.3 | 38.4 | |
| 10pr. | | 38.37 | 1.20 | |

1641—1700

| | 7ʰ | | +31° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.3 | 32 | 23.5 | 13.9 | |
| 9.3 | | 25.4 | 8.5 | |
| 9.5 | | 51.4 | 19.6 | |
| 8.9 | 33 | 12.5 | 32.4 | |
| 9.0 | | 18.0 | 33.9 | |
| 9.1 | | 18.9 | 18.4 | aBb |
| 9.3 | | 24.9 | 3.5 | |
| 9.3 | | 29.9 | 20.9 | |
| 8.7 | | 54.6 | 34.8 | K |
| 9.5 | | 56.6 | 42.0 | |
| 9.5 | 34 | 1.2 | 6.4 | |
| 9.5 | | 18.7 | 50.2 | B |
| 9.5 | | 23.5 | 29.9 | |
| 9.5 | | 26.8 | 7.2 | |
| 9.4 | | 39.7 | 58.1 | |
| 9.5 | 35 | 0.3 | 38.8 | |
| 9.4 | | 11.5 | 8.9 | |
| 9.1 | | 19.4 | 19.0 | |
| 9.3 | | 24.3 | 4.2 | |
| 7.7 | | 25.5 | 27.4 | K |
| 9.1 | 36 | 25.6 | 46.0 | |
| 9.0 | | 34.0 | 55.1 | |
| 9.5 | | 45.6 | 26.4 | |
| 9.4 | 37 | 41.7 | 39.9 | |
| 9.4 | 38 | 23.6 | 28.3 | |
| 9.5 | | 34.2 | 56.5 | |
| 9.3 | 39 | 17.2 | 30.9 | |
| 8.5 | | 35.6 | 15.8 | Kb |
| 9.3 | | 42.1 | 42.3 | |
| 9.4 | | 44.1 | 47.5 | |
| 9.5 | 40 | 3.0 | 38.2 | |
| 8.6 | | 14.8 | 5.6 | |
| 9.5 | 41 | 34.3 | 36.8 | |
| 9.5 | | 35.6 | 30.6 | |
| 9.5 | | 44.6 | 22.7 | |
| 7.0 | | 48.0 | 58.0 | K |
| 8.1 | | 53.9 | 58.5 | K |
| 9.2 | 42 | 19.2 | 2.7 | |
| 9.2 | | 30.6 | 40.2 | b |
| 9.5 | 43 | 17.1 | 34.7 | |
| 9.3 | | 25.6 | 45.7 | |
| 9.5 | | 49.6 | 16.3 | B |
| 9.2 | | 50.0 | 59.0 | b |
| 8.2 | 44 | 16.8 | 2.8 | B |
| 9.5 | | 19.1 | 55.0 | |
| 9.5 | | 36.0 | 3.3 | |
| 9.3 | | 44.7 | 25.1 | |
| 9.0 | 45 | 0.0 | 11.1 | |
| 9.0 | | 14.0 | 23.2 | |
| 8.6 | | 24.9 | 22.1 | B |
| 9.5 | | 30.4 | 17.2 | |
| 9.5 | | 39.7 | 28.4 | B |
| 8.9 | | 47.5 | 9.4 | |
| 8.9 | | 47.8 | 14.1 | |
| 9.3 | 46 | 0.4 | 49.2 | |
| 9.5 | | 8.7 | 58.9 | |
| 9.5 | | 25.6 | 7.5 | |
| 9.4 | 47 | 7.6 | 51.3 | |
| 9.4 | | 36.1 | 57.8 | |
| 8.7 | | 56.6 | 31.8 | |
| 10pr. | | 38.15 | 1.41 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ʰ—8ʰ | | +31° | | | 8ʰ | | +31° | | | 8ʰ | | +31° | | | 8ʰ—9ʰ | | +31° | | | 9ʰ | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 48 | 20.8 | 33.6 | | 9.3 | 3 | 23.4 | 21.6 | | 9.1 | 21 | 51.7 | 54.7 | *aBb* | 9.5 | 38 | 53.4 | 48.3 | | 7.5 | 0 | 51.9 | 18.5 | K |
| 9.3 | | 33.1 | 42.6 | | 9.5 | | 31.2 | 45.3 | | 9.5 | | 53.3 | 11.1 | | 9.3 | 39 | 2.9 | 53.3 | | 9.3 | | 57.0 | 2.0 | |
| 9.0 | 49 | 11.2 | 23.0 | | 9.2 | | 45.5 | 5.4 | *aB* | 9.4 | 22 | 2.8 | 51.2 | | 9.2 | | 33.8 | 23.7 | | 9.4 | 1 | 2.1 | 1.8 | |
| 9.1 | | 27.6 | 41.3 | | 9.2 | | 53.4 | 41.7 | | 9.5 | | 21.9 | 41.1 | | 8.5 | | 53.6 | 1.4 | K | 9.3 | | 32.2 | 55.9 | |
| 8.3 | 50 | 2.8 | 6.6 | K | 9.5 | 5 | 17.6 | 22.2 | | 9.5 | | 34.7 | 25.5 | | 9.5 | 40 | 16.9 | 51.7 | | 9.5 | | 51.3 | 9.9 | |
| 8.5 | | 16.6 | 53.4 | | 8.8 | | 46.6 | 43.0 | *Kb* | 8.5 | | 37.3 | 8.0 | K | 9.0 | | 54.1 | 44.8 | *Kb* | 6.5 | | 52.2 | 33.8 | K |
| 9.5 | | 28.1 | 22.7 | | 9.1 | 6 | 6.9 | 11.1 | | 9.5 | 23 | 28.3 | 13.9 | | 9.4 | | 54.2 | 16.0 | | 9.4 | | 52.7 | 7.9 | *aB* |
| 9.1 | | 43.2 | 39.1 | *b* | 9.0 | | 8.9 | 7.1 | B | 9.1 | | 31.4 | 18.4 | *B* | 9.5 | 41 | 23.9 | 21.9 | | 9.5 | 2 | 58.5 | 49.7 | |
| 9.5 | | 50.6 | 54.7 | | 9.5 | | 11.8 | 42.6 | | 9.3 | | 43.2 | 8.1 | | 9.5 | | 36.8 | 30.5 | | 9.5 | 3 | 30.0 | 5.0 | |
| 8.5 | | 55.3 | 57.2 | K | 8.8 | | 17.2 | 49.3 | | 9.5 | | 48.6 | 39.3 | | 9.5 | 42 | 2.9 | 43.8 | | 9.5 | 4 | 16.9 | 49.4 | |
| 9.3 | 51 | 8.5 | 6.9 | | 9.1 | | 43.8 | 1.5 | K | 9.2 | | 56.0 | 42.5 | | 9.1 | | 7.9 | 56.3 | *aBb* | 9.5 | | 53.8 | 37.1 | |
| 9.4 | | 35.4 | 0.9 | | 9.3 | | 54.5 | 56.5 | | 9.2 | | 58.7 | 35.5 | | 9.5 | | 9.6 | 10.1 | | 9.0 | 5 | 17.9 | 40.6 | B |
| 9.5 | | 48.3 | 45.0 | | 9.3 | 7 | 20.1 | 22.3 | | 8.5 | 24 | 9.9 | 59.8 | B | 9.3 | | 20.4 | 31.2 | | 8.9 | | 25.4 | 20.5 | |
| 9.5 | | 53.6 | 38.1 | | 9.5 | | 23.8 | 6.1 | | 9.2 | | 58.9 | 32.1 | | 9.5 | | 44.5 | 34.2 | | 9.5 | 6 | 13.9 | 23.9 | |
| 9.0 | 52 | 34.1 | 34.7 | *b* | 9.5 | 8 | 2.6 | 24.3 | | 8.8 | 25 | 0.7 | 22.2 | K | 9.4 | | 44.7 | 28.7 | | 8.4 | | 21.5 | 28.8 | L |
| 9.4 | 53 | 38.3 | 43.4 | | 9.1 | | 16.6 | 5.2 | | 9.4 | | 4.6 | 28.7 | | 9.2 | 43 | 24.9 | 42.1 | | 9.5 | | 48.0 | 38.3 | |
| 9.3 | | 46.8 | 2.3 | | 9.0 | | 35.2 | 6.5 | | 9.5 | | 30.3 | 16.6 | | 9.2 | | 27.3 | 34.3 | *aB* | 9.5 | 7 | 36.9 | 13.2 | |
| 9.5 | | 59.1 | 30.2 | | 9.0 | | 58.6 | 43.7 | | 9.5 | | 38.5 | 48.0 | B | 9.5 | | 40.9 | 30.8 | | 9.5 | | 51.5 | 41.8 | |
| 9.0 | 54 | 35.6 | 25.3 | K | 8.0 | 9 | 2.1 | 16.5 | S | 9.5 | 26 | 5.9 | 4.1 | | 9.5 | | 49.4 | 47.6 | | 9.5 | 8 | 28.6 | 1.8 | |
| 9.2 | | 55.4 | 9.4 | | 9.5 | | 8.0 | 24.0 | | 9.5 | | 9.2 | 6.7 | | 9.4 | | 54.0 | 32.8 | | 9.2 | | 34.9 | 37.9 | |
| 9.5 | | 56.1 | 30.2 | | 8.3 | | 11.6 | 4.7 | B | 9.3 | | 17.2 | 41.3 | | 8.9 | 44 | 10.7 | 37.9 | K | 7.8 | | 42.6 | 53.1 | K |
| 9.4 | 55 | 3.4 | 59.2 | | 9.3 | | 20.6 | 17.9 | | 9.3 | | 30.6 | 34.0 | B | 8.9 | | 25.4 | 31.1 | K | 9.5 | | 53.5 | 40.3 | |
| 9.5 | | 25.1 | 15.4 | | 9.4 | | 22.8 | 11.7 | | 9.5 | | 43.0 | 51.7 | | 9.5 | | 32.6 | 41.4 | | 9.5 | | 54.8 | 1.5 | |
| 9.3 | | 35.1 | 35.0 | | 8.3 | 10 | 32.4 | 9.2 | *Lb* | 8.8 | 27 | 0.7 | 6.5 | | 9.5 | | 41.0 | 16.3 | *aB* | 9.5 | | 58.9 | 31.7 | |
| 9.5 | 56 | 20.4 | 54.0 | | 9.5 | | 50.3 | 47.1 | | 9.5 | | 24.4 | 29.5 | | 9.2 | 45 | 8.1 | 16.3 | | 9.5 | 9 | 9.8 | 56.5 | |
| 8.1 | | 27.9 | 43.3 | B | 9.3 | 11 | 13.6 | 57.4 | | 9.5 | 28 | 32.6 | 55.9 | | 9.2 | | 20.9 | 3.9 | | 9.5 | | 46.0 | 5.7 | |
| 9.3 | 57 | 14.8 | 59.9 | B | 9.5 | | 25.0 | 19.8 | | 9.2 | 29 | 27.0 | 20.0 | | 5.3 | | 23.3 | 8.0 | S | 9.2 | 10 | 9.9 | 7.6 | |
| 8.6 | | 15.1 | 14.0 | | 9.5 | | 39.9 | 5.8 | | 8.5 | | 41.3 | 39.7 | K | 9.5 | 46 | 11.0 | 41.8 | | 9.1 | | 45.7 | 15.0 | *b* |
| 9.5 | | 39.9 | 3.3 | | 9.4 | | 41.7 | 22.9 | | 7.5 | | 41.7 | 12.5 | L | 9.5 | | 40.9 | 37.2 | | 9.5 | | 49.7 | 32.8 | |
| 9.4 | | 42.1 | 19.2 | | 9.1 | 12 | 37.1 | 33.0 | *b* | 9.0 | | 44.4 | 55.7 | | 9.0 | 47 | 47.6 | 10.3 | | 9.0 | 11 | 14.9 | 33.8 | B |
| 9.5 | | 46.2 | 57.1 | | 9.3 | | 41.6 | 51.5 | | 9.5 | | 51.3 | 11.1 | | 9.1 | | 57.9 | 51.7 | *b* | 9.5 | 13 | 58.9 | 28.0 | |
| 9.4 | 58 | 5.1 | 11.9 | | 9.1 | | 50.6 | 27.8 | | 9.0 | 30 | 20.5 | 0.4 | *B* | 8.5 | 48 | 22.7 | 30.4 | K | 9.5 | 14 | 7.4 | 10.3 | |
| 9.2 | | 14.6 | 56.8 | | 9.5 | 13 | 7.1 | 27.1 | | 9.3 | | 43.8 | 17.9 | | 8.9 | 50 | 0.4 | 0.2 | L | 9.5 | | 14.9 | 54.2 | |
| 8.3 | | 29.1 | 6.0 | L | 9.2 | | 7.9 | 49.0 | | 9.0 | | 45.6 | 13.6 | B | 9.5 | | 11.9 | 37.7 | | 9.0 | 15 | 1.8 | 38.7 | |
| 7.7 | | 32.5 | 58.4 | K | 9.5 | | 25.4 | 25.3 | | 9.4 | 31 | 2.2 | 10.7 | | 9.0 | | 14.8 | 7.1 | K | 9.5 | | 42.1 | 25.1 | |
| 9.1 | | 40.6 | 15.7 | | 9.4 | | 31.7 | 41.2 | *aB* | 9.5 | | 9.7 | 55.5 | | 9.5 | | 21.9 | 24.6 | | 9.5 | | 47.2 | 33.7 | |
| 9.2 | | 47.3 | 35.6 | *aBb* | 9.5 | | 37.1 | 33.0 | | 8.0 | | 11.0 | 31.5 | K | 9.5 | | 23.5 | 13.0 | | 9.0 | | 49.7 | 20.7 | B |
| 9.5 | 59 | 27.7 | 48.8 | | 9.1 | | 46.6 | 25.7 | | 9.5 | | 11.3 | 4.0 | | 9.5 | 52 | 14.1 | 48.7 | | 7.5 | 16 | 48.3 | 7.1 | K |
| 9.4 | | 30.6 | 46.1 | | 9.3 | | 52.5 | 34.0 | | 9.2 | | 44.6 | 44.8 | | 8.9 | | 46.4 | 24.3 | | 8.8 | 17 | 18.0 | 56.3 | K |
| 9.5 | | 44.8 | 7.4 | | 9.2 | | 52.5 | 54.7 | | 9.5 | 32 | 18.4 | 2.4 | | 9.2 | 53 | 8.0 | 36.0 | | 9.4 | | 22.5 | 12.4 | |
| 9.1 | 0 | 11.1 | 36.1 | | 9.5 | 14 | 26.9 | 50.9 | | 9.3 | | 23.8 | 54.9 | | 9.5 | | 30.7 | 1.0 | | 9.4 | | 23.3 | 43.0 | |
| 9.2 | | 31.3 | 46.3 | | 8.9 | | 38.1 | 51.2 | | 9.5 | | 27.7 | 21.6 | | 9.5 | | 40.5 | 22.6 | | 8.8 | | 36.7 | 46.4 | |
| 9.2 | | 44.2 | 48.3 | | 8.8 | | 45.1 | 7.5 | K | 9.0 | 33 | 6.3 | 41.9 | | 8.0 | | 51.5 | 55.5 | *Kb* | 9.2 | | 48.8 | 23.4 | |
| 9.3 | | 46.9 | 12.6 | | 8.3 | | 50.5 | 45.7 | | 9.0 | | 7.3 | 24.6 | *Kb* | 9.5 | 55 | 0.3 | 12.9 | | 8.4 | | 53.0 | 48.8 | K |
| 9.0 | 1 | 9.1 | 28.8 | | 9.4 | | 54.2 | 57.8 | | 9.2 | | 35.5 | 9.7 | | 9.5 | | 26.0 | 49.4 | | 9.5 | 18 | 43.2 | 48.8 | |
| 9.3 | | 18.5 | 13.6 | | 7.5 | 15 | 3.9 | 46.6 | K | 8.7 | | 44.8 | 50.2 | | 9.5 | | 26.7 | 2.9 | | 9.4 | 19 | 13.5 | 8.2 | *aB* |
| 9.5 | | 40.9 | 51.9 | | 8.4 | | 11.7 | 12.2 | B | 9.0 | | 52.0 | 33.8 | | 9.5 | | 55.0 | 41.7 | | 9.5 | 20 | 15.6 | 37.9 | |
| 9.5 | | 56.2 | 50.5 | | 8.8 | 16 | 23.9 | 30.7 | | 8.4 | 34 | 37.4 | 50.2 | *Kb* | 9.5 | 56 | 0.6 | 4.0 | | 9.5 | | 19.3 | 25.5 | |
| 9.4 | 2 | 3.4 | 8.5 | | 8.8 | | 24.6 | 50.8 | | 9.5 | 35 | 7.4 | 44.9 | | 9.5 | 57 | 33.5 | 52.2 | | 9.5 | | 27.4 | 58.1 | |
| 9.3 | | 18.1 | 26.1 | | 8.6 | | 43.4 | 32.1 | | 9.4 | | 31.7 | 0.4 | | 8.3 | | 38.1 | 29.1 | *Kb* | 8.8 | 21 | 18.7 | 49.8 | |
| * | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.4 | | 22.0 | 50.4 | | 8.4 | 17 | 1.8 | 19.8 | L | 9.5 | | 36.6 | 9.5 | | 8.9 | 58 | 9.5 | 57.2 | | 9.5 | | 30.6 | 38.5 | |
| 9.5 | | 26.9 | 3.5 | | 8.5 | | 2.5 | 36.2 | K | 9.4 | | 42.0 | 32.9 | | 9.5 | | 21.0 | 31.8 | | 7.3 | | 32.5 | 56.8 | K |
| 8.0 | | 27.0 | 43.7 | K | 9.2 | 18 | 2.0 | 46.1 | | 8.9 | | 47.4 | 23.9 | B | 8.5 | | 21.5 | 12.5 | | 9.4 | 22 | 0.0 | 18.6 | |
| 8.3 | | 27.7 | 50.2 | L | 7.9 | | 35.9 | 1.5 | *Lb* | 9.0 | | 58.8 | 38.8 | B | 6.7 | | 50.1 | 47.5 | K | 9.3 | | 19.3 | 28.2 | *Kb* |
| 9.4 | | 34.6 | 24.0 | | 9.5 | 19 | 6.6 | 45.5 | | 9.4 | 36 | 8.0 | 22.8 | B | 9.5 | 59 | 6.9 | 18.8 | | 9.0 | | 36.3 | 47.1 | |
| 9.4 | | 54.5 | 34.4 | | 9.5 | | 6.9 | 52.4 | | 6.3 | | 27.0 | 13.0 | *Kb* | 9.0 | | 19.4 | 39.4 | | 9.0 | | 48.7 | 39.2 | |
| 8.0 | 3 | 10.1 | 15.8 | L | 9.5 | | 26.0 | 0.7 | | 9.5 | | 51.4 | 11.1 | | 8.3 | | 48.4 | 11.9 | L | 9.4 | 23 | 0.6 | 17.5 | |
| 9.4 | | 13.2 | 34.0 | | 8.8 | 20 | 17.9 | 17.0 | | 9.4 | 37 | 8.3 | 15.1 | B | 9.3 | 0 | 9.4 | 3.4 | | 9.4 | | 15.0 | 5.3 | |
| 9.0 | | 19.0 | 31.3 | | 8.2 | | 49.6 | 51.5 | S | 9.5 | | 54.9 | 43.4 | | 9.0 | | 19.9 | 5.3 | | 8.8 | | 31.7 | 5.3 | |
| 8.8 | | 21.9 | 40.8 | B | 9.5 | 21 | 36.2 | 10.9 | | 9.2 | 38 | 3.0 | 13.6 | | 9.0 | | 47.6 | 4.2 | | 7.8 | 24 | 25.0 | 12.4 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *37.86* | *1.64* | | *10pr.* | | *37.58* | *1.83* | | *10pr.* | | *37.22* | *2.03* | | *10pr.* | | *36.81* | *2.24* | | *10pr.* | | *36.19* | *2.49* | |

| *1750* a | | | |
|---|---|---|---|
| *9.5* | *2* | *19.5* | *57.6* |

**9ʰ—11ʰ** **+31°**

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ʰ | | +31° | | | 9ʰ—10ʰ | | +31° | | | 10ʰ | | +31° | | | 10ʰ—11ʰ | | +31° | | | 11ʰ | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 25 | 48.3 | 32.0 | | 9.2 | 44 | 43.4 | 27.4 | | 8.8 | 10 | 15.4 | 20.1 | K | 8.0 | 37 | 51.7 | 23.8 | K | 9.5 | 4 | 6.5 | 57.3 | |
| 8.5 | 26 | 6.0 | 11.8 | | 9.1 | | 46.7 | 14.4 | αB | 9.4 | 11 | 24.3 | 11.0 | | 8.2 | 38 | 21.0 | 26.2 | B | 8.2 | | 27.2 | 1.3 | K |
| 8.3 | | 15.0 | 39.5 | L | 9.5 | | 55.6 | 5.7 | | 9.5 | | 36.8 | 6.7 | | 9.1 | | 36.7 | 59.8 | *b* | 9.5 | | 35.4 | 3.3 | |
| 9.4 | | 30.3 | 56.1 | | 9.2 | 45 | 20.1 | 38.8 | | 9.5 | | 45.4 | 13.2 | | 9.1 | | 49.6 | 36.9 | αB | 9.4 | | 39.2 | 40.3 | B |
| 9.5 | | 30.7 | 4.5 | | 9.5 | | 54.7 | 53.9 | | 7.1 | 12 | 35.3 | 23.4 | B | 9.5 | 39 | 4.6 | 15.7 | | 9.1 | 5 | 58.7 | 10.7 | *b* |
| 9.5 | | 47.5 | 4.8 | | 8.0 | | 55.3 | 20.9 | K | 8.5 | | 51.9 | 10.5 | | 8.9 | | 13.2 | 0.9 | | 9.4 | 6 | 14.8 | 45.8 | αB |
| 7.5 | | 53.4 | 42.8 | K | 8.5 | 46 | 16.0 | 40.5 | K | 9.5 | 13 | 9.0 | 24.1 | | 9.4 | | 23.5 | 53.4 | | 9.5 | 7 | 39.0 | 24.4 | B |
| 9.5 | 27 | 15.8 | 5.8 | | 9.5 | | 35.3 | 55.7 | | 9.4 | | 17.3 | 27.6 | B | 9.5 | 40 | 17.9 | 41.4 | | 9.5 | 8 | 56.7 | 37.1 | |
| 9.5 | | 33.7 | 20.8 | *a* | 9.5 | | 38.1 | 28.5 | | 9.4 | | 39.7 | 51.6 | | 9.4 | 41 | 10.9 | 23.8 | *b* | 9.1 | 9 | 37.9 | 54.2 | *b* |
| 9.4 | | 38.1 | 19.6 | B | 9.2 | 47 | 7.3 | 49.5 | | 9.5 | 14 | 30.0 | 46.7 | | 9.4 | | 14.2 | 25.4 | | 8.5 | 10 | 41.7 | 39.5 | |
| 5.3 | 28 | 6.4 | 48.2 | K*b* | 9.5 | | 13.3 | 20.9 | | 8.3 | | 36.8 | 3.3 | K*b* | 9.5 | | 43.4 | 38.2 | | 9.5 | | 45.0 | 27.6 | |
| 8.9 | | 36.5 | 54.5 | K | 8.6 | | 15.4 | 51.2 | K | 9.3 | | 41.9 | 37.4 | | 9.4 | 42 | 43.6 | 37.9 | | 9.5 | 11 | 10.8 | 21.4 | |
| 9.3 | | 39.1 | 43.8 | αB | 9.5 | | 23.6 | 8.2 | | 7.0 | | 46.8 | 34.9 | K | 9.5 | | 49.1 | 0.2 | | 9.3 | | 29.9 | 18.0 | K |
| 8.0 | | 51.3 | 37.5 | L | 9.5 | 49 | 27.0 | 39.9 | | 9.5 | 15 | 44.4 | 35.6 | | 8.0 | 44 | 48.9 | 10.5 | K | 8.6 | | 51.3 | 19.2 | K |
| 9.5 | | 54.3 | 55.4 | | 8.0 | | 51.9 | 13.3 | K | 9.2 | 16 | 19.3 | 0.1 | | 9.1 | 45 | 37.2 | 3.4 | | 9.0 | 12 | 14.3 | 43.0 | |
| 9.4 | | 56.8 | 13.8 | | 9.4 | 50 | 8.0 | 57.1 | | 7.5 | | 45.9 | 6.5 | K | 8.8 | | 41.5 | 7.7 | B | 9.4 | 13 | 9.4 | 8.8 | |
| 9.5 | 29 | 55.2 | 30.3 | | 9.5 | | 35.3 | 58.2 | | 8.8 | 17 | 23.4 | 18.4 | K | 8.0 | | 45.0 | 4.0 | K | 9.4 | | 45.0 | 51.5 | |
| 8.5 | 30 | 0.7 | 25.4 | K | 8.0 | | 43.1 | 5.8 | K | 9.0 | | 29.2 | 53 0 | | 9.0 | 46 | 21.7 | 16.9 | K | 9.5 | | 51.2 | 48.2 | |
| 9.3 | 31 | 1.0 | 31.3 | | 9.5 | 51 | 21.3 | 0.8 | | 9.5 | | 29.9 | 41.4 | | 7.0 | | 25.0 | 20.1 | K | 9.4 | | 56.7 | 52.9 | |
| 9.0 | 32 | 17.0 | 22.6 | | 9.3 | 52 | 0.0 | 7.3 | *B* | 9.1 | 18 | 41.4 | 19.0 | | 9.5 | 47 | 2.4 | 40.4 | | 9.5 | 14 | 39.8 | 42.0 | |
| 9.2 | | 19.2 | 47.5 | | 9.2 | | 38.0 | 41.9 | | 9.2 | | 45.0 | 26.0 | | 9.5 | 48 | 2.0 | 10.9 | | 9.5 | | 53.3 | 15.2 | |
| 9.2 | | 23.5 | 50.3 | αB | 8.6 | | 50.0 | 31.7 | *B* | 8.9 | 19 | 0.7 | 37.5 | B | 9.3 | | 9.6 | 47.4 | B | 9.5 | 16 | 50.8 | 24.9 | |
| 9.4 | | 31.3 | 40.7 | | 7.7 | 53 | 0.0 | 16.1 | K | 8.7 | 20 | 4.4 | 10.8 | K | 8.0 | | 20.7 | 49.2 | K | 9.2 | | 58.8 | 47.3 | K*b* |
| 9.5 | | 40.7 | 13.0 | | 9.2 | 54 | 24.4 | 36.3 | K | 9.4 | | 22.9 | 39.8 | | 9.2 | | 28.3 | 25.4 | | 9.5 | 17 | 5.7 | 48.4 | |
| 9.4 | | 46.5 | 9.1 | | 9.5 | | 26.6 | 1.8 | | 8.9 | 21 | 55.2 | 35.6 | K | 9.0 | | 37.7 | 52.2 | K | 9.0 | | 40.9 | 23.5 | |
| 6.2 | 33 | 0.1 | 55.4 | K | 9.5 | | 42.9 | 50.8 | | 8.9 | 22 | 2.6 | 47.7 | B | 9.2 | 49 | 36.0 | 27.8 | | 9.5 | 20 | 24.8 | 0.3 | |
| 9.5 | | 3.9 | 14.8 | | 9.4 | | 44.0 | 1.7 | | 8.8 | | 46.5 | 3.6 | | 7.0 | | 38.4 | 25.7 | L | 9.5 | | 37.5 | 51.8 | |
| 9.4 | | 38.3 | 50.6 | | 9.2 | | 46.9 | 45.3 | K*b* | 8.2 | 23 | 27.7 | 48.0 | K | 9.2 | | 47.1 | 16.7 | | 9.4 | | 47.2 | 59.7 | |
| 9.3 | | 41.0 | 2.7 | αB | 9.5 | | 56.9 | 9.3 | B | 8.8 | | 35.4 | 48.4 | K | 9.5 | | 51.4 | 19.7 | | 9.4 | 21 | 22.3 | 46.6 | B |
| 9.4 | | 43.7 | 1.4 | | 9.3 | 55 | 4.8 | 39.1 | | 8.7 | | 49.2 | 29.6 | | 8.0 | 50 | 1.5 | 51.9 | K | 7.0 | | 36.2 | 12.8 | K*b* |
| 8.8 | | 50.2 | 56.2 | K | 9.5 | | 16.0 | 10.0 | *a* | 9.4 | 24 | 6.1 | 012 | | 8.3 | | 24.4 | 30.1 | K | 9.4 | | 57.5 | 59.9 | |
| 9.4 | 34 | 3.3 | 2.8 | | 9.5 | 56 | 27.3 | 5.0 | | 9.0 | | 20.4 | 45.0 | K | 9.5 | | 47.6 | 24.9 | | 9.4 | 23 | 4.1 | 26.3 | |
| 9.5 | | 5.4 | 33.3 | | 9.5 | | 31.7 | 36.4 | | 9.3 | | 22.2 | 52.7 | | 9.4 | | 53.7 | 34.6 | | 9.3 | | 53.0 | 54.1 | |
| 9.4 | | 33.6 | 52.6 | | 9.3 | | 51.4 | 37.7 | | 8.1 | | 59.0 | 31.2 | L | 9.2 | | 59.7 | 12.9 | K | 7.5 | | 57.8 | 45.5 | K |
| 9.5 | | 36.6 | 22.0 | | 7.5 | 57 | 15.7 | 48.0 | K | 9.5 | 25 | 8.2 | 37.1 | | 9.5 | 51 | 32.2 | 54.3 | | 9.5 | 24 | 12.7 | 50.5 | |
| 9.5 | 35 | 43.7 | 26.8 | | 9.5 | | 45.5 | 2.2 | | 9.2 | | 19.1 | 52.6 | K | 8.9 | | 58.8 | 47.3 | | 7.7 | | 18.9 | 2.6 | αK |
| 9.5 | 37 | 3.9 | 20.3 | | 8.2 | | 48.7 | 55.3 | K | 9.4 | | 44.8 | 59.3 | | 9.5 | 52 | 14.3 | 51.1 | | 9.5 | 25 | 45.3 | 34.5 | |
| 9.3 | | 35.6 | 23.6 | | 8.4 | | 53.9 | 26.0 | | 9.4 | | 52.2 | 36.4 | | 8.8 | | 31.3 | 39.1 | | 9.5 | 27 | 4.3 | 53.0 | |
| 9.1 | | 37.8 | 31.8 | αB | 8.9 | 0 | 10.9 | 39.1 | | 9.5 | 27 | 6.1 | 19.8 | | 9.5 | 53 | 22.5 | 10.2 | | 7.3 | | 21.9 | 18.1 | L |
| 9.0 | | 37.9 | 8.7 | K | 8.4 | | 11.8 | 18.8 | | 9.3 | | 7.8 | 25.8 | B | 8.8 | 54 | 1.2 | 37.9 | B | 8.5 | | 41.5 | 8.2 | |
| 9.5 | | 45.2 | 30.2 | | 9.3 | 1 | 8.4 | 39.8 | | 9.0 | | 41.0 | 17.1 | *B* | 9.5 | | 17.8 | 44.3 | | 8.3 | 28 | 27.3 | 31.4 | K*b* |
| 9.3 | | 46.0 | 51.5 | *a* | 9.2 | | 13.5 | 43.9 | | 9.4 | | 42.8 | 54.9 | B | 8.8 | | 20.9 | 35.9 | S | 9.5 | 29 | 46.8 | 17.7 | |
| 9.5 | 38 | 11.7 | 13.0 | | 9.5 | 2 | 15.4 | 37.3 | | 9.5 | | 44.2 | 44.1 | | 8.4 | | 29.2 | 12.1 | B | 9.5 | 32 | 8.3 | 47.9 | |
| 8.8 | | 15.6 | 47.5 | K | 9.0 | | 55.0 | 46.3 | K | 8.3 | | 47.7 | 19.1 | K*b* | 9.4 | | 47.3 | 54.1 | | 9.5 | 33 | 43.2 | 21.1 | *b* |
| 9.5 | 39 | 1.1 | 26.0 | | 8.8 | 3 | 7.8 | 30.5 | | 8.9 | | 51.9 | 23.8 | B | 8.0 | | 56.0 | 11.6 | K | 9.5 | 34 | 19.1 | 43.7 | |
| 9.5 | | 25.3 | 8.9 | | 9.5 | | 22.0 | 46.6 | | 9.5 | 28 | 41.8 | 0.1 | αB | 9.5 | 55 | 11.4 | 33.2 | | 9.4 | 35 | 58.9 | 3.0 | |
| 8.8 | | 32.6 | 55.4 | K | 9.4 | | 29.0 | 29.4 | | 9.0 | | 45.6 | 50.2 | | 9.5 | | 11.5 | 59.6 | | 9.2 | 36 | 10.8 | 15.2 | *b* |
| 9.5 | | 57.4 | 51.8 | | 9.2 | | 34.7 | 17.1 | *b* | 9.3 | | 45.9 | 23.9 | K | 8.4 | | 20.5 | 23.0 | K | 9.4 | | 35.8 | 56.2 | αB |
| 9.2 | 40 | 5.4 | 55.3 | B | 9.5 | 4 | 24.6 | 4.8 | αB | 9.2 | 29 | 5.7 | 19.1 | K*b* | 9.5 | 56 | 58.7 | 37.4 | | 9.1 | | 52.4 | 23.5 | |
| 9.3 | | 29.7 | 40.2 | | 9.3 | 5 | 2.4 | 35.0 | | 9.2 | 30 | 23.1 | 59.5 | | 9.5 | 57 | 46.1 | 34.0 | | 8.5 | 37 | 5.8 | 46.9 | K |
| 8.6 | | 29.8 | 2.0 | | 8.8 | | 55.6 | 53.8 | | 9.2 | | 28.7 | 38.5 | | 8.5 | | 50.9 | 22.7 | B | 9.0 | | 25.3 | 34.1 | K |
| 9.5 | 41 | 9.2 | 50.2 | | 9.5 | 6 | 1.9 | 16.5 | | 9.2 | 31 | 20.6 | 51.6 | | 9.0 | | 51.2 | 52.3 | B | 9.2 | | 50.5 | 42.3 | |
| 6.7 | | 15.1 | 45.2 | K | 9.5 | | 20.8 | 18.0 | | 8.9 | | 31.7 | 39.6 | | 9.4 | 58 | 4.6 | 1.6 | αB | 7.8 | | 57.8 | 17.3 | K |
| 9.5 | | 20.0 | 15.8 | | 8.8 | | 33.5 | 42.6 | B | 9.4 | | 46.4 | 42.5 | | 8.8 | | 47.7 | 42.8 | K | 9.4 | 38 | 21.9 | 20.2 | αB |
| 9.4 | | 29.5 | 4.3 | | 9.5 | | 37.6 | 47.1 | | 9.2 | 32 | 15.7 | 35.6 | K | 9.4 | 0 | 31.0 | 51.3 | | 9.5 | | 55.6 | 8.2 | αB |
| 9.4 | | 58.2 | 7.5 | | 9.5 | 7 | 20.1 | 19.4 | | 9.5 | 34 | 22.5 | 47.3 | *b* | 8.0 | 2 | 42.2 | 9.5 | K | 8.7 | 39 | 2.3 | 12.8 | K |
| 9.5 | 42 | 2.8 | 54.8 | | 9.3 | | 22.6 | 45.6 | K | 9.0 | 36 | 16.7 | 26.7 | K | 9.4 | | 47.7 | 30.0 | | 9.4 | | 13.9 | 38.5 | |
| 9.5 | 43 | 29.9 | 58.6 | | 9.5 | 8 | 2.4 | 9.5 | | 9.5 | | 19.5 | 59.5 | | 9.0 | | 50.4 | 57.1 | | 8.5 | | 21.3 | 25.2 | L |
| 8.4 | | 52.5 | 3.7 | K | 7.4 | 9 | 17.8 | 36.6 | K | 9.2 | | 21.7 | 27.8 | K | *8.7 | 3 | 5.7 | 17.8 | K | 9.5 | 40 | 0.4 | 24.7 | B |
| 9.5 | 44 | 40.4 | 3.0 | | 8.9 | | 41.6 | 9.0 | | 5.2 | 37 | 48.7 | 27.9 | K | 8.5 | | 8.0 | 15.4 | K | 9.5 | | 5.0 | 19.7 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *35.60* | *2.68* | | *10pr.* | | *34.96* | *2.86* | | *10pr.* | | *34.06* | *3.06* | | *10pr.* | | *33.17* | *3.19* | | *10pr.* | | *32.08* | *3.29* | |

*2238 α*
*9.1 | 3 | 4.0 | 14.3 | B*

2301—2360

| | 11ᵐ—12ᵐ | +31° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 40 10.4 | 2.7 | aB |
| 8.9 | 49.3 | 26.2 | K |
| 9.1 | 44 45.9 | 32.2 | K |
| 9.5 | 53.9 | 45.6 | B |
| 9.5 | 57.4 | 41.9 | B |
| 8.5 | 45 12.3 | 2.4 | K |
| 8.0 | 22.5 | 37.3 | K |
| 9.5 | 41.6 | 30.3 | B |
| 9.5 | 46 21.5 | 3.7 | |
| 9.5 | 48 37.0 | 14.7 | |
| 9.5 | 49.1 | 55.2 | |
| 9.5 | 53.5 | 26.4 | |
| 9.3 | 49 10.5 | 33.0 | aBb |
| 9.5 | 14.3 | 36.8 | |
| 9.5 | 50 11.0 | 49.4 | |
| 8.7 | 51 20.7 | 56.6 | K |
| 8.8 | 30.6 | 36.4 | B |
| 9.5 | 52 24.6 | 21.2 | |
| 9.5 | 28.7 | 27.8 | |
| 9.2 | 53 28.5 | 56.1 | |
| 8.8 | 40.9 | 47.4 | |
| 7.4 | 48.5 | 27.1 | K |
| 8.7 | 54 20.0 | 42.2 | Lb |
| 9.5 | 55 39.4 | 38.5 | B |
| 9.5 | 56 28.6 | 28.7 | |
| 9.1 | 57 13.5 | 56.3 | |
| 8.1 | 42.0 | 37.7 | Kb |
| 8.9 | 59 23.8 | 3.5 | |
| 7.8 | 0 22.4 | 12.9 | L |
| 9.3 | 25.5 | 58.9 | B |
| 7.2 | 42.9 | 51.5 | K |
| 7.2 | 53.0 | 3.8 | K |
| 9.2 | 56.9 | 44.2 | aB |
| 9.4 | 1 24.4 | 44.7 | |
| 8.8 | 47.0 | 49.8 | |
| 8.9 | 2 42.0 | 12.6 | K |
| 9.5 | 54.1 | 41.6 | |
| 9.5 | 4 55.2 | 38.8 | |
| 9.4 | 5 55.9 | 1.7 | |
| 7.4 | 56.8 | 5.5 | K |
| 8.0 | 6 15.1 | 22.4 | L |
| 8.3 | 15.7 | 46.4 | K |
| 8.2 | 50.0 | 37.8 | Kb |
| 9.4 | 7 49.6 | 3.8 | |
| 9.3 | 57.0 | 14.7 | |
| 9.4 | 9 5.0 | 59.7 | b |
| 9.5 | 10 17.9 | 56.3 | |
| 9.5 | 20.9 | 11.1 | |
| 9.5 | 11 1.6 | 43.4 | |
| 6.5 | 13.0 | 3.7 | K |
| 8.9 | 37.0 | 16.5 | K |
| 9.1 | 12 1.4 | 32.8 | b |
| 8.5 | 41.0 | 17.8 | K |
| 9.5 | 41.6 | 3.7 | |
| 9.5 | 55.7 | 2.1 | |
| 9.5 | 14 23.4 | 12.6 | |
| 8.3 | 15 31.4 | 36.0 | |
| 8.8 | 49.7 | 24.9 | K |
| 9.4 | 16 32.0 | 15.0 | |
| 9.5 | 17 4.4 | 35.0 | |
| | + | — | |
| 10pr. | 30.70 | 3.84 | |

2361—2420

| | 12ᵐ | +31° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 17 20.2 | 25.2 | |
| 7.2 | 35.3 | 50.4 | L |
| 9.1 | 18 11.2 | 23.7 | b |
| 9.5 | 34.5 | 38.0 | |
| 9.3 | 40.2 | 23.4 | |
| 9.5 | 20 7.3 | 28.6 | |
| 9.3 | 48.8 | 7.9 | Kb |
| 9.3 | 21 10.4 | 54.8 | |
| 9.5 | 26.0 | 36.5 | |
| 9.1 | 22 14.2 | 0.9 | |
| 8.9 | 21.2 | 26.1 | K |
| 9.5 | 49.3 | 31.3 | |
| 8.7 | 23 6.8 | 47.6 | K |
| 9.1 | 19.8 | 51.3 | K |
| 9.5 | 27.9 | 11.1 | |
| 9.3 | 24 5.8 | 7.4 | |
| 9.3 | 25.2 | 26.1 | |
| 9.2 | 29.2 | 49.3 | K |
| 9.5 | 44.0 | 15.3 | |
| 9.5 | 25 21.0 | 19.3 | |
| 8.6 | 26 14.3 | 54.1 | |
| 9.5 | 27.8 | 51.8 | |
| 9.5 | 52.2 | 23.4 | |
| 9.5 | 27 4.2 | 27.4 | |
| 9.0 | 28 0.3 | 52.0 | B |
| 9.5 | 24.8 | 28.1 | |
| 9.2 | 30 5.7 | 13.3 | aBb |
| 9.5 | 14.9 | 57.3 | |
| 9.5 | 40.7 | 25.9 | |
| 8.3 | 32 6.6 | 22.7 | K |
| 9.5 | 7.5 | 40.9 | |
| 8.8 | 24.7 | 48.4 | |
| 9.1 | 30.4 | 36.5 | K |
| 9.4 | 47.5 | 32.5 | aB |
| 9.4 | 33 7.4 | 34.0 | |
| 7.2 | 28.4 | 10.6 | K |
| 6.8 | 34 1.9 | 13.8 | K |
| 9.0 | 33.9 | 10.2 | K |
| 9.5 | 36 3.3 | 7.1 | |
| 9.4 | 10.6 | 18.5 | B |
| *8.9 | 16.4 | 35.8 | Kb |
| 9.1 | 38 4.8 | 53.3 | b |
| 9.5 | 56.1 | 45.2 | |
| 9.2 | 39 32.3 | 29.6 | |
| 9.5 | 40 5.8 | 2.9 | |
| 9.5 | 11.9 | 12.6 | |
| 9.3 | 40.2 | 0.8 | |
| 9.0 | 50.4 | 36.5 | |
| 6.8 | 41 12.9 | 11.3 | K |
| 7.0 | 21.4 | 33.3 | K |
| 9.4 | 47.3 | 52.3 | |
| 9.5 | 51.8 | 3.3 | |
| 9.5 | 42 9.6 | 40.0 | |
| 9.5 | 24.9 | 13.6 | |
| 9.0 | 44 54.9 | 10.1 | |
| 9.5 | 45 10.8 | 51.3 | |
| 8.9 | 33.8 | 54.6 | |
| 9.5 | 46 30.6 | 42.9 | |
| 9.5 | 42.0 | 59.8 | |
| 9.1 | 47 8.3 | 28.6 | K |
| | + | — | |
| 10pr. | 29.58 | 3.31 | |

2421—2480

| | 12ᵐ—13ᵐ | +31° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.1 | 47 48.2 | 47.4 | b |
| 9.2 | 53.7 | 49.6 | K |
| 9.2 | 54.5 | 16.3 | |
| 9.5 | 49 26.8 | 54.1 | |
| 8.1 | 50 25.8 | 9.8 | K |
| 9.5 | 28.3 | 54.6 | |
| 9.5 | 54.0 | 12.3 | |
| 8.8 | 51 17.7 | 47.4 | K |
| 9.1 | 31.7 | 26.6 | b |
| 9.3 | 52 1.6 | 41.5 | |
| 8.9 | 27.4 | 13.1 | |
| 9.4 | 40.7 | 48.4 | |
| 9.5 | 53 17.0 | 1.5 | B |
| 5.2 | 22.5 | 33.8 | Kb |
| 9.5 | 39.9 | 55.3 | |
| 8.7 | 55.0 | 17.8 | |
| 9.3 | 54 39.0 | 54.8 | |
| 9.3 | 47.3 | 28.4 | |
| 9.0 | 49.9 | 56.8 | |
| 9.2 | 55 8.9 | 57.0 | a |
| 9.5 | 9.4 | 43.3 | |
| 8.0 | 25.9 | 8.0 | K |
| 8.5 | 42.6 | 3.6 | B |
| 9.0 | 43.2 | 52.5 | K |
| 7.5 | 56 55.1 | 48.4 | Kb |
| 8.6 | 56.9 | 33.6 | K |
| 9.2 | 57 1.4 | 26.5 | |
| 9.0 | 2.4 | 14.1 | |
| 9.4 | 40.9 | 4.8 | |
| 9.2 | 0 6.9 | 53.2 | Kb |
| 9.4 | 22.4 | 32.0 | |
| 9.4 | 35.4 | 26.2 | B |
| 9.5 | 1 44.0 | 15.1 | |
| 9.5 | 47.3 | 57.4 | |
| 9.4 | 52.5 | 27.6 | |
| 7.9 | 2 13.1 | 1.1 | K |
| 9.4 | 32.5 | 52.3 | |
| 8.7 | 37.5 | 12.6 | K |
| 9.4 | 3 1.9 | 22.7 | B |
| 9.1 | 19.0 | 29.7 | b |
| 9.5 | 41.1 | 35.0 | |
| 8.8 | 4 22.6 | 37.5 | K |
| 9.0 | 6 55.8 | 9.2 | b |
| 8.5 | 7 22.6 | 50.3 | B |
| 9.5 | 9 11.5 | 1.7 | |
| 8.1 | 25.5 | 40.3 | K |
| 8.9 | 10 20.0 | 51.2 | |
| 7.5 | 32.8 | 23.0 | K |
| 9.5 | 34.3 | 3.9 | |
| 9.5 | 11 51.2 | 35.1 | |
| 9.5 | 12 1.4 | 11.3 | |
| 9.5 | 32.2 | 10.3 | |
| 9.5 | 13 53.6 | 29.9 | |
| 8.6 | 14 52.4 | 16.8 | K |
| 9.1 | 15 12.1 | 48.6 | b |
| 9.5 | 24.0 | 59.3 | |
| 6.7 | 27.8 | 3.2 | K |
| 9.5 | 47.5 | 16.8 | |
| 9.3 | 16 7.9 | 42 3 | |
| 8.9 | 42.8 | 17.4 | K |
| | + | — | |
| 10pr. | 28.59 | 3.23 | |

2481—2540

| | 13ᵐ | +31° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 16 52.7 | 12.8 | B |
| 9.5 | 17 39.7 | 6.1 | B |
| 8.9 | 40.5 | 18.7 | B |
| 9.5 | 18 5.6 | 9.0 | |
| 9.0 | 15.6 | 29.5 | B |
| 9.5 | 19 19.3 | 45.8 | aB |
| 7.5 | 22.9 | 27.8 | K |
| 9.4 | 49.8 | 12.7 | |
| 8.6 | 57.2 | 34.4 | Kb |
| 9.5 | 20 48.1 | 55.3 | |
| 9.3 | 21 21.8 | 8.5 | |
| 9.3 | 31.9 | 0.5 | |
| 6.8 | 36.2 | 53.2 | Kb |
| 7.3 | 22 13.3 | 18.3 | K |
| 8.8 | 29.2 | 49.1 | K |
| 9.2 | 41.4 | 30.2 | |
| 9.1 | 23 20.5 | 6.7 | |
| 9.0 | 24 12.5 | 16.9 | |
| 9.0 | 16.7 | 26.2 | K |
| 9.4 | 25 15.9 | 54.4 | |
| 9.3 | 16.6 | 29.4 | aB |
| 9.5 | 29.0 | 54.5 | |
| 8.2 | 39.8 | 13.1 | L |
| 9.5 | 45.9 | 3.2 | |
| 9.4 | 50.2 | 33.0 | |
| 8.7 | 26 5.5 | 4.1 | B |
| 7.3 | 6.3 | 29.5 | K |
| 9.1 | 27 35.8 | 28.4 | K |
| 9.2 | 41.1 | 13.9 | aB |
| 8.8 | 53.6 | 3.8 | L |
| 9.4 | 28 9.7 | 16.4 | |
| 9.5 | 10.0 | 17.2 | |
| 9.1 | 23.2 | 21.3 | B |
| 9.4 | 26.8 | 29.6 | |
| 9.1 | 29 30.7 | 12.1 | Bb |
| 9.3 | 32.7 | 15.3 | |
| 9.0 | 33.9 | 44.6 | |
| 9.5 | 30 8.9 | 45.5 | |
| 9.4 | 31 18.0 | 7.1 | |
| 9.5 | 41.3 | 32.1 | |
| 9.5 | 32 1.9 | 58.4 | |
| 8.3 | 31.0 | 50.5 | K |
| 9.3 | 41.8 | 2.5 | aB |
| 9.2 | 33 9.0 | 7.2 | |
| 9.1 | 25.8 | 25.6 | |
| 6.0 | 40.3 | 44.8 | K |
| 9.1 | 45.3 | 12.8 | aBb |
| 9.5 | 34 56.4 | 16.3 | |
| 9.4 | 35 13.9 | 18.0 | |
| 9.4 | 37 15.7 | 59.9 | |
| 9.3 | 27.3 | 2.2 | |
| 9.4 | 41.3 | 5.7 | |
| 9.4 | 54.1 | 22.8 | |
| 9.3 | 38 14.5 | 40.7 | |
| 9.3 | 21.8 | 33.8 | |
| 8.3 | 39 6.9 | 19.8 | K |
| 9.0 | 30.9 | 46.9 | |
| 9.5 | 40.5 | 47.6 | |
| 8.3 | 41.8 | 11.3 | B |
| 6.3 | 42.4 | 36.3 | Kb |
| | + | — | |
| 10pr. | 27.66 | 3.10 | |

2541—2600

| | 13ᵐ—14ᵐ | +31° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 40 8.0 | 38.0 | |
| 9.5 | 56.9 | 27.3 | |
| 9.4 | 41 8.9 | 34.3 | |
| 9.0 | 24.5 | 24.0 | |
| 9.5 | 35.3 | 25.0 | |
| 9.5 | 42.9 | 26.0 | |
| 5.5 | 42 6.0 | 54.7 | B |
| 9.4 | 6.3 | 0.9 | aB |
| 9.1 | 40.9 | 38.7 | |
| 7.6 | 56.9 | 26.5 | B |
| 9.1 | 43 3.0 | 5.0 | b |
| 9.5 | 10.8 | 23.9 | |
| 8.9 | 35.9 | 57.2 | |
| 9.3 | 44 43.5 | 45.2 | |
| 9.5 | 45 13.3 | 40.3 | |
| 9.0 | 44.7 | 39.0 | b |
| 9.5 | 46 6.1 | 12.5 | |
| 9.4 | 47 32.0 | 36.1 | aB |
| 9.5 | 48 2.9 | 54.8 | |
| 8.6 | 49 43.7 | 3.9 | K |
| 9.5 | 50 3.9 | 32.5 | |
| 9.5 | 12.3 | 43.5 | b |
| 9.5 | 48.8 | 42.7 | B |
| 9.4 | 51 12.9 | 28.7 | |
| 9.5 | 18.4 | 17.3 | |
| 9.5 | 52 20.5 | 54.0 | |
| 9.4 | 51.9 | 24.3 | aB |
| 9.5 | 58.1 | 24.9 | |
| 9.1 | 53 7.0 | 5.2 | b |
| 9.5 | 25.3 | 49.2 | |
| 9.3 | 46.4 | 37.9 | |
| 9.4 | 49.3 | 18.4 | |
| 9.4 | 54 32.9 | 49.6 | |
| 7.6 | 34.0 | 22.8 | K |
| 9.3 | 51.4 | 9.1 | |
| 8.4 | 55 10.8 | 53.8 | B |
| 9.3 | 58.3 | 3.4 | aB |
| 8.6 | 56 23.4 | 1.1 | Kb |
| 9.5 | 56.3 | 43.8 | |
| 9.5 | 58 8.9 | 12.2 | |
| 9.1 | 59 32.8 | 29.4 | |
| 7.2 | 0 1.0 | 33.4 | K |
| 9.5 | 4.0 | 1.0 | |
| 8.0 | 1 11.9 | 40.3 | K |
| 9.5 | 2 5.4 | 58.4 | |
| 9.0 | 28.7 | 17.7 | K |
| 9.5 | 3 8.4 | 11.4 | |
| 7.2 | 22.5 | 55.7 | K |
| 9.4 | 47.3 | 45.2 | |
| 8.6 | 55.4 | 38.4 | B |
| 9.5 | 5 21.7 | 13.2 | |
| 9.0 | 23.5 | 59.6 | K |
| 9.4 | 6 33.4 | 10.6 | |
| 9.1 | 59.1 | 40.7 | aB |
| 7.2 | 7 25.1 | 53.0 | K |
| 9.4 | 25.9 | 40.6 | aB |
| 9.1 | 9 2.0 | 57.0 | |
| 9.5 | 42.2 | 57.8 | |
| 9.0 | 57.0 | 54.5 | K |
| 9.5 | 10 5.3 | 17.8 | |
| | + | — | |
| 10pr. | 26.82 | 2.93 | |

2401a

| | | | | |
|---|---|---|---|---|
| 9.6 | 36 | 17.6 | 18.4 | B |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14ᵘ | | +31° | | | 14ᵘ—15ᵘ | | +31° | | | 15ᵘ | | +31° | | | 15ᵘ—16ᵘ | | +31° | | | 16ᵘ | | +31° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.3 | 10 | 49.6 | 57.4 | | 9.5 | 42 | 51.5 | 50.6 | Rb | 8.8 | 13 | 6.1 | 13.4 | B | 9.4 | 42 | 12.8 | 57.5 | | 9.5 | 13 | 51.9 | 55.9 | |
| 9.5 | 11 | 42.3 | 34.3 | αB | 9.5 | 43 | 19.5 | 49.9 | | 9.2 | 14 | 15.5 | 12.9 | | 9.0 | | 14.9 | 49.7 | | 9.5 | 15 | 12.0 | 29.9 | |
| 8.6 | 13 | 1.2 | 17.5 | K | 8.9 | | 51.1 | 9.9 | | 8.9 | | 52.3 | 27.2 | | 9.5 | | 49.0 | 25.1 | | 9.3 | | 33.3 | 23.0 | |
| 9.3 | | 27.7 | 39.2 | αB | 9.5 | | 54.5 | 55.0 | | 7.3 | | 59.8 | 58.6 | K | 9.0 | 43 | 10.5 | 56.1 | | 9.0 | 16 | 17.7 | 32.7 | K |
| 6.5 | | 48.9 | 5.7 | L | 9.4 | 44 | 21.0 | 34.7 | | var | 15 | 30.0 | 53.4 | B | 9.0 | | 20.8 | 37.9 | | 5.1 | | 27.0 | 14.5 | Lb |
| 9.2 | | 50.9 | 0.1 | K | 9.5 | | 26.3 | 32.5 | | 9.0 | | 36.6 | 7.5 | K | 8.8 | 44 | 0.0 | 43.7 | b | 9.3 | 17 | 1.8 | 21.8 | |
| 9.4 | 14 | 6.7 | 21.4 | a | 9.3 | | 39.5 | 51.2 | | 8.9 | | 49.2 | 24.5 | | 9.5 | | 15.1 | 20.2 | | 9.2 | | 23.7 | 10.0 | K |
| 9.0 | | 10.0 | 48.7 | | 8.3 | | 42.6 | 2.7 | K | 9.5 | 16 | 8.5 | 30.3 | | 9.3 | | 15.2 | 12.2 | B | 9.4 | 18 | 17.2 | 2.0 | |
| 9.0 | | 13.1 | 0.9 | K | 9.5 | | 48.1 | 30.4 | | 8.0 | | 48.5 | 4.0 | B | 9.5 | | 50.0 | 19.0 | | 9.5 | 19 | 7.8 | 8.7 | |
| 9.3 | | 16.2 | 21.6 | αB | 9.4 | 46 | 34.5 | 19.6 | | 9.4 | 17 | 45.0 | 21.4 | αB | 9.0 | 45 | 28.7 | 23.8 | Kb | 9.5 | 20 | 40.5 | 16.8 | |
| 9.4 | | 49.9 | 24.3 | | 9.5 | | 35.6 | 3.8 | | 9.5 | 18 | 2.6 | 0.0 | | 8.6 | 46 | 0.8 | 15.3 | B | 9.4 | | 55.5 | 37.9 | B |
| 8.6 | 15 | 3.8 | 30.5 | | 8.3 | | 41.5 | 48.5 | K | 9.0 | | 7.9 | 12.3 | B | 8.9 | | 7.7 | 24.3 | K | 9.2 | 21 | 48.8 | 4.3 | K |
| 9.4 | | 20.3 | 7.0 | | 8.5 | 47 | 37.6 | 33.1 | B | 9.5 | | 22.4 | 16.0 | | 8.9 | | 14.0 | 8.7 | | 8.7 | 22 | 43.6 | 28.0 | S |
| 9.0 | 16 | 47.3 | 26.8 | | 9.3 | 48 | 33.5 | 16.8 | | 9.5 | 19 | 20.5 | 2.9 | | 9.3 | | 22.9 | 36.6 | B | 9.5 | 23 | 7.4 | 5.0 | |
| 8.9 | 17 | 57.2 | 7.1 | L | 8.3 | 49 | 34.0 | 14.0 | | 9.5 | | 25.0 | 30.4 | | 7.8 | 47 | 30.5 | 40.9 | Kb | 9.5 | | 17.3 | 6.3 | |
| 9.5 | 18 | 0.7 | 46.2 | αB | 8.4 | 50 | 6.4 | 43.0 | Kb | 9.5 | 21 | 18.3 | 24.8 | | 9.5 | 49 | 15.5 | 9.4 | | 9.4 | 24 | 8.3 | 1.1 | |
| 9.0 | | 50.3 | 43.9 | b | 9.5 | 51 | 2.1 | 27.5 | | 9.5 | | 43.3 | 40.4 | | 9.3 | 50 | 1.4 | 57.3 | | 9.1 | | 20.4 | 32.3 | b |
| 9.0 | 21 | 2.3 | 15.3 | | 9.5 | | 28.4 | 12.0 | | 8.8 | 22 | 54.5 | 31.0 | | 9.4 | | 30.2 | 43.0 | | 8.5 | 25 | 7.0 | 7.2 | K |
| 7.7 | 22 | 13.9 | 4.8 | K | 9.4 | 52 | 32.1 | 5.7 | | 8.8 | | 57.0 | 7.4 | K | 8.0 | | 31.2 | 37.8 | K | 7.5 | | 18.6 | 15.8 | K |
| 7.7 | 23 | 4.8 | 38.8 | K | 9.3 | 53 | 16.8 | 57.2 | | 9.5 | 23 | 55.2 | 34.1 | | 9.2 | 51 | 57.1 | 58.3 | B | 9.5 | | 29.4 | 45.5 | |
| 7.5 | | 11.3 | 18.4 | K | 9.3 | 54 | 8.5 | 32.3 | b | 9.0 | 24 | 7.0 | 27.5 | | 9.4 | 52 | 10.0 | 3.5 | | 9.5 | 26 | 13.5 | 35.6 | αB |
| 9.5 | | 22.5 | 54.3 | | 9.5 | | 17.8 | 52.4 | | 7.0 | | 33.0 | 47.5 | K | 9.1 | | 45.6 | 34.9 | b | 9.3 | | 14.1 | 19.2 | K |
| 9.5 | | 52.7 | 57.9 | | 9.5 | | 48.5 | 7.8 | | 9.3 | | 42.8 | 11.4 | B | 9.5 | 53 | 23.9 | 10.7 | | 9.5 | 27 | 29.8 | 44.9 | |
| 9.5 | 24 | 39.6 | 33.2 | | 8.0 | | 57.0 | 56.8 | S | 9.4 | | 45.1 | 41.3 | B | 8.5 | 54 | 7.1 | 45.8 | Kb | 7.8 | | 36.1 | 13.1 | K |
| 9.4 | 25 | 10.4 | 1.9 | αB | 9.2 | 56 | 10.9 | 55.4 | K | 8.7 | | 57.0 | 8.7 | K | 6.8 | | 59.4 | 59.1 | K | 9.5 | 28 | 54.3 | 3.7 | |
| 8.5 | | 24.1 | 22.7 | K | 9.5 | | 26.1 | 2.7 | | 8.8 | 25 | 2.7 | 22.1 | B | 9.5 | 56 | 29.7 | 41.5 | αB | 8.3 | 29 | 31.1 | 23.8 | |
| 8.7 | | 35.5 | 57.1 | K | 9.3 | | 30.5 | 44.8 | | 9.5 | | 11.3 | 58.5 | | 9.1 | | 42.2 | 14.6 | K | 9.3 | | 42.6 | 50.8 | |
| 4.0 | | 36.3 | 0.4 | K | 9.1 | | 49.5 | 15.4 | b | 9.5 | | 32.6 | 6.5 | | 8.5 | 57 | 53.2 | 34.8 | K | 9.4 | | 57.5 | 6.3 | B |
| 9.4 | 26 | 22.0 | 7.8 | | 9.5 | 58 | 17.0 | 16.5 | | 9.1 | 26 | 48.8 | 58.8 | | 8.9 | 58 | 13.7 | 25.6 | | 9.2 | | 58.4 | 51.3 | |
| 9.5 | | 46.5 | 35.1 | | 9.0 | 59 | 5.6 | 24.4 | K | 4.2 | 27 | 5.7 | 51.0 | K | 9.5 | | 16.0 | 55.8 | | 9.3 | 30 | 0.6 | 13.3 | B |
| 9.1 | 27 | 16.0 | 46.0 | | 9.5 | | 16.6 | 29.7 | B | 9.4 | | 14.9 | 42.5 | | 9.5 | | 46.4 | 51.0 | B | 9.3 | | 9.0 | 4.2 | B |
| 8.5 | | 57.6 | 37.1 | K | 9.5 | | 23.8 | 24.4 | | 9.5 | 28 | 25.0 | 13.8 | | 9.2 | 59 | 29.5 | 38.0 | B | 9.4 | | 26.9 | 3.9 | B |
| 9.4 | 30 | 33.6 | 57.1 | | 9.4 | | 34.7 | 4.8 | | 9.5 | | 32.8 | 36.2 | | 9.5 | | 33.9 | 50.0 | B | 7.2 | | 50.8 | 15.3 | K |
| 9.0 | | 38.0 | 58.4 | | 9.4 | | 35.5 | 42.3 | | 9.5 | 29 | 40.0 | 1.8 | | 7.3 | | 50.6 | 57.9 | Kb | 9.5 | | 58.0 | 58.3 | αB |
| 9.4 | 31 | 13.2 | 55.5 | | 7.8 | | 47.2 | 37.1 | K | 9.3 | | 57.2 | 18.6 | | 8.2 | | 55.7 | 16.8 | K | 9.1 | 31 | 9.6 | 24.5 | K |
| 9.0 | | 14.0 | 51.8 | K | 8.4 | 0 | 19.5 | 44.7 | K | 9.3 | 30 | 26.7 | 13.9 | αB | 9.4 | 1 | 23.8 | 51.6 | | 9.3 | | 29.8 | 45.1 | |
| 9.4 | | 16.6 | 25.0 | | 8.8 | | 20.5 | 50.1 | | 9.3 | | *38.1* | *17.8* | | 9.5 | 2 | 6.1 | 56.6 | | 9.2 | | 36.6 | 30.3 | K |
| 8.3 | 32 | 38.5 | 22.9 | Kb | 9.3 | | 58.6 | 40.2 | | 9.1 | | 54.1 | 7.4 | Kb | 9.5 | 3 | 12.2 | 38.2 | | 9.3 | | 53.1 | 37.8 | |
| 8.5 | 33 | 2.0 | 44.3 | | 9.4 | 1 | 5.5 | 51.2 | | 9.3 | 31 | 1.3 | 9.5 | αB | 9.5 | | 40.0 | 22.4 | | 9.0 | 32 | 15.6 | 22.5 | Kb |
| 9.5 | | 18.6 | 0.2 | | 9.4 | | 13.8 | 27.8 | | 9.5 | | 50.7 | 15.6 | | 9.0 | | 41.5 | 14.8 | K | 9.5 | | 24.3 | 10.8 | |
| 9.5 | | 32.5 | 55.4 | | 9.1 | | 25.9 | 20.8 | αBb | 9.5 | 34 | 38.2 | 27.5 | | 9.0 | | 45.2 | 13.6 | K | 9.5 | | 54.8 | 56.2 | |
| 7.5 | 34 | 6.2 | 3.7 | K | 8.4 | 2 | 30.6 | 30.5 | | 8.6 | | 46.5 | 56.1 | K | 9.3 | | 48.1 | 31.3 | | 9.3 | 33 | 21.7 | 50.9 | B |
| 7.7 | | 16.2 | 9.0 | K | 9.5 | 3 | 40.2 | 29.5 | | 9.5 | 35 | 11.2 | 11.0 | | 9.5 | 4 | 36.8 | 8.6 | | 9.3 | 34 | 29.1 | 27.2 | |
| 7.7 | | 33.8 | 55.0 | K | 9.5 | 4 | 28.9 | 56.3 | | 8.8 | | 58.1 | 23.4 | K | 9.4 | | 47.2 | 34.4 | B | 3.0 | 35 | 50.9 | 52.2 | K |
| 9.1 | 35 | 7.8 | 56.1 | K | 8.8 | | 46.4 | 23.7 | L | 9.3 | 36 | 5.0 | 55.8 | | *8.7 | | 56.1 | 21.4 | K | 9.2 | | 58.1 | 33.1 | |
| 9.1 | | 8.0 | 19.9 | b | 9.5 | | 50.4 | 52.0 | | 9.2 | | 7.4 | 26.1 | | 7.7 | 5 | 12.8 | 20.4 | K | 7.4 | | 59.2 | 9.2 | K |
| 8.5 | | 57.9 | 46.4 | | 8.2 | | 52.5 | 12.9 | K | 9.5 | | 42.5 | 1.3 | | 9.5 | 6 | 6.3 | 58.8 | | 9.2 | 36 | 14.6 | 42.8 | |
| 8.5 | 37 | 9.2 | 19.9 | K | 9.1 | | 57.6 | 59.1 | b | 9.5 | 37 | 4.8 | 19.7 | | 9.1 | | 17.8 | 48.5 | | 9.5 | | 16.9 | 10.8 | |
| 9.2 | 38 | 25.5 | 35.0 | | 9.5 | 6 | 30.1 | 56.9 | B | 9.5 | | 6.4 | 7.0 | | 9.2 | | 35.5 | 2.0 | | 9.3 | | 19.8 | 6.9 | K |
| 9.5 | | 40.5 | 13.7 | | 9.5 | | 48.9 | 57.1 | B | 8.9 | | 25.7 | 19.5 | B | 9.1 | | 40.7 | 12.5 | K | 9.5 | | 29.8 | 33.0 | |
| 8.3 | | 55.2 | 8.2 | K | 8.8 | | 50.7 | 52.4 | Kb | 7.2 | | 27.1 | 51.2 | K | 8.3 | | 41.5 | 49.8 | K | 9.2 | 37 | 2.0 | 29.5 | K |
| 9.4 | 39 | 17.7 | 56.4 | B | 9.3 | 9 | 38.0 | 24.2 | | 9.5 | | 29.7 | 44.0 | | 9.3 | 7 | 2.3 | 25.5 | B | 8.4 | | 17.4 | 56.0 | L |
| 9.3 | | 20.6 | 23.0 | K | 8.9 | 10 | 16.0 | 27.0 | K | 9.5 | 38 | 15.2 | 13.2 | | 9.3 | | 6.2 | 18.9 | | 9.4 | | 51.5 | 5.8 | |
| 9.5 | | 35.5 | 28.5 | | 9.5 | | 27.5 | 37.7 | | 9.2 | 40 | 33.7 | 52.4 | | 8.5 | | 43.4 | 36.1 | K | 9.5 | 38 | 2.2 | 54.3 | B |
| 9.3 | | 41.5 | 34.3 | | 9.5 | | 37.3 | 17.0 | | 9.4 | | 35.2 | 13.5 | | 9.0 | | 49.5 | 56.7 | | 9.3 | | 37.1 | 26.5 | |
| 8.2 | 40 | 23.2 | 15.0 | B | 9.5 | | 38.3 | 19.7 | | 8.7 | | 43.4 | 43.7 | | 9.5 | 9 | 43.8 | 0.2 | | 9.4 | | 46.2 | 33.7 | |
| 8.8 | | 27.5 | 47.9 | | 9.4 | 11 | 49.6 | 48.2 | | 8.6 | 41 | 3.8 | 16.9 | L | 9.4 | 13 | 4.3 | 19.3 | b | 9.5 | 39 | 2.9 | 15.4 | |
| 8.5 | | 40.5 | 23.4 | K | 9.3 | 12 | 3.3 | 5.0 | αB | 9.5 | | 9.2 | 58.3 | | 9.5 | | 25.7 | 26.5 | | 9.5 | | 19.3 | 29.3 | |
| 9.3 | | 56.1 | 36.8 | | 7.0 | | 3.8 | 21.1 | K | 7.3 | | 20.0 | 1.0 | K | 9.0 | | 37.4 | 52.8 | K | 8.4 | | 37.1 | 56.2 | K |
| 9.5 | 42 | 37.6 | 36.8 | | 9.5 | | 42.7 | 16.9 | | 9.5 | | 37.1 | 12.1 | | 9.4 | | 50.5 | 0.4 | | 9.5 | 40 | 22.6 | 33.4 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *25.82* | *2.68* | | *10pr.* | | *24.95* | *2.37* | | *10pr.* | | *24.28* | *2.06* | | *10pr.* | | *23.65* | *1.69* | | *10pr.* | | *23.15* | *1.28* | |

| *2726 a* | | | | | *2825 a* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| *9.3* | *15* | *37.6* | *49.5* | *B* | *9.6* | *5* | *4.1* | *59.3* | *B* |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16ᵐ | | +31° | | | 16ᵐ—17ᵐ | | +31° | | | 17ᵐ | | +31° | | | 17ᵐ | | +31° | | | 17ᵐ—18ᵐ | | +31° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 40 | 26.4 | 23.3 | b | 9.2 | 59 | 59.9 | 34.2 | | 9.5 | 20 | 41.4 | 44.3 | | 8.7 | 36 | 27.0 | 42.8 | K | 9.4 | 54 | 55.5 | 30.8 | B |
| 9.5 | | 38.3 | 31.9 | | 8.5 | 0 | 3.7 | 18.5 | | 9.5 | | 42.1 | 52.9 | | 9.5 | 37 | 7.6 | 52.9 | | 9.5 | 55 | 12.9 | 59.6 | |
| 9.4 | 41 | 1.0 | 39.2 | aB | 9.5 | | 51.7 | 26.6 | | 9.1 | | 43.9 | 6.6 | K | 9.5 | | 23.5 | 42.9 | | 9.0 | | 33.2 | 45.1 | K |
| 9.5 | | 52.5 | 13.4 | | 8.2 | 1 | 21.8 | 13.3 | K | 9.4 | | 56.5 | 17.3 | | 9.4 | 38 | 35.9 | 1.0 | aB | 9.4 | | 42.4 | 16.3 | |
| 9.1 | | 58.7 | 52.8 | K | 8.5 | | 33.8 | 16.2 | K | 9.1 | 21 | 16.4 | 10.8 | K | 8.1 | 39 | 0.6 | 44.6 | L | 9.3 | | 46.4 | 8.7 | |
| 9.1 | 42 | 2.4 | 45.2 | | 9.5 | | 35.2 | 36.8 | | 6.8 | | 16.9 | 23.5 | L | 8.8 | | 1.2 | 6.4 | K | 9.5 | | 49.0 | 3.4 | |
| 9.5 | | 9.2 | 57.2 | B | 6.8 | 2 | 29.3 | 24.2 | K | 8.0 | | 17.4 | 12.1 | K | 7.5 | | 21.8 | 12.1 | Kb | 9.5 | 56 | 19.7 | 1.0 | |
| 8.5 | | 20.6 | 51.5 | K | 9.5 | 3 | 5.1 | 27.9 | | 9.3 | | 37.2 | 58.5 | | 9.4 | | 23.1 | 51.5 | | 9.3 | | 23.3 | 9.4 | |
| 9.5 | | 58.4 | 21.8 | | 9.2 | | 5.1 | 44.2 | Kb | 8.8 | | 45.9 | 37.6 | K | 9.0 | | 48.2 | 49.5 | | 9.1 | | 34.4 | 33.1 | b |
| 9.0 | 43 | 13.1 | 43.2 | | 9.5 | | 5.7 | 35.8 | | 9.3 | | 52.0 | 57.2 | | 6.5 | 40 | 12.6 | 34.3 | K | 9.5 | 57 | 11.4 | 57.1 | |
| 8.9 | | 21.1 | 30.5 | | 9.5 | 4 | 20.4 | 57.1 | | 9.0 | | 53.9 | 34.9 | K | 9.2 | | 28.7 | 1.1 | | 8.7 | | 16.0 | 55.1 | B |
| 9.2 | | 25.4 | 45.7 | | 9.5 | | 42.7 | 25.2 | | 9.5 | 22 | 5.7 | 59.3 | | 9.3 | 41 | 3.5 | 46.4 | B | 8.0 | | 41.0 | 56.7 | K |
| 9.1 | 44 | 25.9 | 8.0 | K | 9.4 | | 50.8 | 1.9 | aB | 9.3 | | 21.5 | 54.0 | | 9.4 | | 9.5 | 50.7 | | 9.5 | | 58.8 | 2.5 | |
| 9.5 | | 53.8 | 32.8 | | 9.5 | | 56.0 | 30.4 | B | 9.3 | | 41.8 | 59.8 | | 9.4 | | 9.7 | 46.5 | B | 9.5 | 58 | 15.8 | 28.3 | |
| 9.5 | 45 | 14.1 | 29.8 | | 9.3 | | 59.1 | 12.9 | K | 9.4 | | 50.9 | 39.4 | | 9.4 | | 12.9 | 49.1 | | 9.2 | | 45.7 | 27.7 | B |
| 9.0 | | 21.9 | 41.6 | Kb | 9.5 | | 59.5 | 37.7 | | 9.2 | | 59.5 | 3.6 | | 9.5 | | 29.3 | 58.5 | B | 9.5 | | 47.6 | 32.8 | |
| 9.4 | | 40.4 | 58.9 | | 7.5 | 5 | 26.2 | 22.4 | K | 9.2 | 23 | 3.3 | 44.5 | | 9.2 | | 46.6 | 15.1 | K | 9.1 | | 54.1 | 28.0 | K |
| 9.5 | | 52.4 | 25.5 | | 9.4 | | 36.6 | 47.2 | | 9.2 | | 18.1 | 44.3 | | 9.5 | 43 | 10.1 | 23.7 | | 9.5 | | 57.2 | 8.3 | |
| 9.4 | | 56.7 | 17.7 | | 8.1 | | 39.6 | 9.4 | K | 9.4 | | 26.7 | 8.2 | B | 9.3 | | 30.8 | 3.8 | | 9.5 | 59 | 3.9 | 40.7 | |
| 9.0 | | 58.6 | 36.9 | K | 9.2 | 6 | 37.3 | 47.5 | b | 8.5 | | 34.3 | 46.5 | K | 7.7 | 44 | 22.8 | 5.0 | K | 9.1 | | 12.5 | 11.0 | b |
| 9.0 | 46 | 4.8 | 3.0 | K | 9.5 | | 39.8 | 49.4 | | 9.3 | | 34.5 | 59.2 | | 9.3 | | 26.5 | 36.7 | | 9.4 | | 27.3 | 58.8 | B |
| 9.4 | | 6.8 | 28.3 | B | 9.5 | | 48.6 | 16.7 | | 9.4 | | 36.7 | 7.9 | aB | 9.0 | | 37.6 | 32.9 | | 9.5 | | 30.7 | 13.8 | |
| 9.0 | | 14.6 | 46.7 | K | 9.0 | 8 | 32.8 | 9.7 | K | 9.1 | 24 | 6.5 | 19.3 | Bb | 9.1 | | 58.5 | 38.8 | | 9.2 | 0 | 18.7 | 15.6 | |
| 9.1 | | 16.5 | 54.5 | | 9.4 | | 47.7 | 7.7 | | 9.1 | | 12.5 | 42.8 | K | 9.1 | 45 | 8.6 | 59.1 | b | 9.0 | | 29.1 | 42.7 | |
| 6.2 | 47 | 30.9 | 56.8 | Kb | 8.8 | 9 | 3.1 | 7.5 | K | 9.5 | | 22.3 | 51.0 | | 9.5 | | 23.3 | 35.7 | | 8.9 | | 33.7 | 29.7 | |
| 9.5 | | 45.0 | 14.0 | | 9.2 | | 32.6 | 14.2 | a | 9.5 | | 59.0 | 38.6 | | 9.0 | | 50.6 | 14.7 | K | 9.0 | | 56.6 | 3.6 | |
| 8.7 | 48 | 20.6 | 23.8 | K | 9.2 | | 44.2 | 10.8 | K | 5.8 | 25 | 26.5 | 16.6 | K | 9.1 | 46 | 5.1 | 9.3 | K | 9.1 | 1 | 2.1 | 26.2 | |
| 9.4 | | 26.2 | 8.4 | | 9.2 | 10 | 19.0 | 2.7 | K | 9.4 | | 28.3 | 36.9 | B | 9.5 | | 23.2 | 56.7 | | 8.2 | | 26.4 | 45.1 | L |
| 9.5 | | 44.1 | 45.5 | | 9.5 | | 29.2 | 43.9 | | 9.5 | | 49.2 | 58.0 | | 9.4 | | 26.3 | 26.7 | | 9.5 | | 37.7 | 54.9 | |
| 9.3 | 49 | 35.6 | 47.8 | | 9.2 | | 51.8 | 59.0 | | 9.0 | 26 | 14.6 | 8.1 | Kb | 8.6 | | 32.1 | 9.5 | K | 9.5 | | 55.4 | 36.1 | |
| 9.5 | 50 | 20.1 | 16.6 | | 9.2 | 11 | 44.7 | 26.6 | | 9.3 | | 46.0 | 32.2 | | 9.3 | | 38.5 | 29.9 | | 9.5 | 2 | 11.0 | 0.4 | |
| 8.0 | | 51.9 | 14.6 | Lb | 9.3 | | 52.6 | 5.9 | | 9.3 | | 55.8 | 24.0 | | 9.4 | | 59.7 | 0.6 | | 9.2 | | 19.5 | 43.6 | B |
| 8.9 | 51 | 9.6 | 4.8 | L | 7.5 | | 58.8 | 40.4 | L | 9.5 | 27 | 13.1 | 45.8 | | 9.4 | 47 | 0.2 | 46.1 | B | 9.5 | | 24.4 | 21.7 | |
| 9.5 | 52 | 3.7 | 40.3 | | 8.5 | 12 | 8.1 | 35.9 | L | 9.4 | 28 | 11.0 | 30.6 | | 9.0 | | 13.0 | 24.4 | K | 9.5 | | 25.1 | 31.0 | |
| 8.9 | | 12.8 | 22.1 | | 9.2 | 13 | 22.2 | 48.8 | K | 9.3 | 29 | 56.8 | 8.9 | Kb | 8.2 | | 26.0 | 0.9 | K | 9.5 | | 31.1 | 42.6 | B |
| 8.6 | | 24.6 | 13.5 | K | 9.2 | | 23.8 | 44.5 | K | 9.3 | 30 | 28.8 | 32.3 | | 9.0 | | 42.9 | 45.3 | | 9.2 | | 31.7 | 24.5 | |
| 9.0 | | 40.6 | 20.1 | | 9.2 | | 32.1 | 3.6 | b | 8.7 | 31 | 26.7 | 51.0 | K | 9.1 | | 45.9 | 6.8 | K | 8.8 | | 35.7 | 29.4 | |
| 9.0 | | 42.9 | 30.8 | | 9.2 | 14 | 31.5 | 21.4 | | 9.0 | | 35.2 | 34.6 | K | 9.5 | 48 | 3.5 | 27.5 | B | 9.1 | | 36.2 | 42.1 | K |
| 9.0 | | 55.1 | 58.9 | B | 9.1 | | 35.7 | 47.9 | K | 9.3 | | 43.2 | 29.5 | | 8.8 | | 3.6 | 51.1 | K | 9.4 | | 48.7 | 17.2 | |
| 9.1 | | 55.1 | 12.0 | | 9.2 | | 41.5 | 56.3 | K | 9.0 | | 43.2 | 34.2 | K | 9.1 | | 6.3 | 30.5 | K | 8.0 | 3 | 7.7 | 26.2 | L |
| 9.5 | 53 | 26.6 | 35.9 | | *9.5 | | 59.8 | 28.3 | | 9.3 | | 48.5 | 24.7 | | 9.5 | | 56.5 | 30.9 | | 8.8 | | 25.0 | 44.8 | B |
| 8.0 | | 28.1 | 41.8 | K | *9.2 | 15 | 15.2 | 13.5 | | 8.6 | | 50.5 | 16.1 | K | 9.5 | 49 | 33.0 | 49.0 | | 9.3 | | 26.9 | 57.1 | B |
| 9.5 | | 48.5 | 57.8 | | 9.5 | | 37.5 | 9.1 | | 9.1 | | 57.6 | 53.6 | K | 8.6 | | 39.1 | 21.2 | K | 9.0 | | 31.6 | 45.0 | B |
| 9.3 | 54 | 12.6 | 41.1 | K | 7.5 | | 46.2 | 23.8 | K | 9.0 | 32 | 12.5 | 7.5 | K | 9.2 | | 41.2 | 35.5 | aB | 8.9 | | 33.7 | 39.7 | |
| 9.2 | | 21.1 | 4.4 | K | 9.0 | 16 | 6.3 | 57.4 | | 8.7 | | 36.5 | 5.8 | K | 9.5 | | 52.0 | 8.5 | | 9.5 | | 34.1 | 0.8 | B |
| 9.0 | | 33.4 | 9.3 | K | 9.1 | | 36.0 | 10.0 | aBb | 9.2 | | 36.5 | 28.4 | | 9.5 | 50 | 8.1 | 41.8 | | 9.3 | | 42.6 | 27.8 | B |
| 3.5 | | 45.6 | 8.7 | K | 9.5 | | 47.0 | 23.0 | aB | 9.5 | | 51.5 | 42.6 | | 9.4 | | 22.6 | 35.7 | | 9.5 | | 49.4 | 13.6 | |
| 9.5 | | 48.7 | 1.8 | | 9.4 | 17 | 28.1 | 9.1 | B | 9.3 | 33 | 12.2 | 24.0 | | 9.5 | | 23.3 | 27.8 | | 9.0 | | 55.8 | 42.8 | K |
| *9.2 | | 49.1 | 18.6 | | 9.3 | | 47.8 | 41.1 | | 9.4 | | 22.9 | 42.5 | | 9.1 | | 24.6 | 21.5 | K | 9.5 | 4 | 3.5 | 11.3 | B |
| *9.0 | 55 | 54.1 | 41.0 | | 8.7 | | 53.6 | 5.7 | Kb | 9.3 | | 38.3 | 49.1 | | 9.3 | | 50.1 | 8.9 | | 9.2 | | 5.4 | 35.8 | Kb |
| 8.6 | | 57.7 | 26.8 | | 9.3 | | 56.7 | 18.1 | B | 7.7 | | 44.3 | 57.8 | L | 9.1 | | 52.0 | 56.5 | aB | 9.4 | | 36.7 | 37.9 | |
| 9.3 | 57 | 16.1 | 1.1 | | 9.3 | 18 | 8.4 | 48.0 | | 9.1 | | 59.8 | 0.6 | K | 9.2 | 51 | 0.1 | 39.8 | | 9.1 | | 54.1 | 21.4 | |
| 8.0 | | 24.4 | 54.2 | K | 9.5 | | 45.1 | 15.5 | | 9.1 | 34 | 8.5 | 36.1 | K | 9.2 | | 3.0 | 11.9 | | 9.5 | 5 | 13.6 | 2.4 | |
| 9.5 | 58 | 8.8 | 22.8 | | 9.3 | | 50.3 | 7.1 | | 9.5 | | 26.2 | 33.5 | B | 9.4 | | 26.6 | 24.7 | | 8.8 | | 18.7 | 57.8 | |
| 9.5 | | 41.6 | 46.6 | | 9.5 | | 52.2 | 17.4 | | 6.5 | | 27.9 | 17.1 | K | 9.2 | | 26.8 | 31.5 | K | 9.5 | | 28.8 | 22.5 | |
| 7.6 | 59 | 3.6 | 36.9 | L | 9.4 | | 54.0 | 27.8 | | 7.0 | 35 | 13.2 | 23.6 | K | 9.5 | | 37.0 | 40.3 | | 8.2 | | 30.4 | 12.5 | K |
| 9.3 | | 35.3 | 3.0 | | 8.8 | | 54.4 | 17.7 | K | 8.3 | | 21.0 | 21.2 | K | 9.5 | | 58.1 | 47.1 | | 9.5 | | 49.2 | 12.0 | |
| 8.6 | | 55.1 | 12.9 | | 9.3 | 19 | 37.4 | 41.7 | | 9.5 | 36 | 8.8 | 59.9 | | 9.3 | 52 | 57.7 | 13.0 | R | 9.5 | 6 | 17.7 | 49.6 | |
| 9.3 | | 57.8 | 57.1 | | 9.5 | | 43.2 | 44.5 | | 8.7 | | 11.5 | 41.6 | K | 9.5 | 53 | 25.4 | 25.9 | | 5.0 | | 25.7 | 21.8 | Kb |
| 9.5 | | 59.8 | 44.5 | | 9.0 | | 50.9 | 15.9 | K | 9.5 | | 19.5 | 34.7 | | 9.5 | 54 | 2.9 | 39.7 | | 9.4 | | 40.2 | 54.4 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | + | |
| 10pr. | | 22.90 | 1.01 | | 10pr. | | 22.71 | 0.70 | | 10pr. | | 22.62 | 0.49 | | 10pr. | | 22.54 | 0.20 | | 10pr. | | 22.52 | 0.03 | |

| 2949 a | | | | |
|---|---|---|---|---|
| var | 55 | 2 | 26.4 | |

| 3001 a | | | | |
|---|---|---|---|---|
| 9.5 | 15 | 5.8 | 39.6 | a |

### 3201—3260

| | 18ᵐ | +31° | |
|---|---|---|---|
| m | | | |
| 9.5 | 6′ 48.5 | 4.6 | |
| 9.5 | 7 4.3 | 37.0 | |
| 8.5 | 6.7 | 31.1 | K |
| 9.2 | 19.2 | 45.3 | |
| 9.2 | 20.. | 31.8 | |
| 9.5 | 28.3 | 15.2 | |
| 9.0 | 32.7 | 27.4 | K |
| 9.5 | 51.4 | 32.8 | |
| 9.1 | 8 21.7 | 43.1 | K |
| 9.4 | 25.8 | 12.7 | B |
| 8.1 | 39.7 | 27.3 | L |
| 9.5 | 40.1 | 0.2 | B |
| 9.5 | 51.1 | 50.6 | |
| 9.4 | 9 1.7 | 42.4 | |
| 9.1 | 5.8 | 56.2 | |
| 9.1 | 10.6 | 26.6 | L |
| 9.1 | 12.2 | 33.0 | L |
| 9.3 | 18.2 | 33.4 | B |
| 9.3 | 19.8 | 23.6 | |
| 9.4 | 52.3 | 44.5 | |
| 9.2 | 52.7 | 40.0 | |
| 9.2 | 10 0.8 | 21.8 | |
| 9.3 | 18.0 | 34.1 | |
| 9.1 | 56.3 | 24.1 | K |
| 9.5 | 11 11.4 | 17.6 | |
| 9.1 | 32.8 | 7.9 | *b* |
| 9.1 | 42.4 | 31.0 | K |
| 9.5 | 53.4 | 47.5 | |
| 9.5 | 58.5 | 47.2 | |
| 9.2 | 12 28.5 | 58.4 | |
| 9.5 | 35.7 | 24.5 | |
| 8.9 | 13 0.1 | 57.3 | |
| 8.9 | 3.1 | 7.6 | B |
| 9.5 | 15.5 | 6.6 | |
| 9.4 | 22.6 | 54.0 | |
| 9.4 | 48.0 | 27.7 | B |
| 9.3 | 14 7.1 | 10.3 | |
| 9.3 | 10.5 | 57.7 | |
| 8.0 | 20.3 | 4.9 | K |
| 9.5 | 38.0 | 53.0 | |
| 9.5 | 15 2.1 | 9.7 | |
| 8.0 | 5.7 | 0.3 | K |
| 9.5 | 13.1 | 44.8 | |
| 9.1 | 13.5 | 30.0 | *aBb* |
| 9.4 | 23.8 | 0.7 | |
| 9.5 | 26.2 | 53.6 | *B* |
| 9.5 | 42.4 | 44.0 | |
| 9.0 | 43.9 | 12.7 | K |
| 9.5 | 54.4 | 35.4 | |
| 9.3 | 54.6 | 17.6 | B |
| 9.5 | 16 10.7 | 53.5 | |
| 9.5 | 21.7 | 42.7 | |
| 9.5 | 23.7 | 49.6 | |
| 9.4 | 17 2.3 | 0.7 | |
| 9.5 | 17.8 | 56.8 | |
| 9.5 | 52.8 | 52.2 | |
| 9.4 | 56.3 | 6.2 | |
| 9.5 | 18 1.7 | 57.9 | |
| 8.0 | 26.4 | 17.0 | K |
| 9.1 | 42.1 | 23.5 | |
| | + | + | |
| 10pr. | 22.54 | 0.19 | |

### 3261—3320

| | 18ᵐ | +31° | |
|---|---|---|---|
| m | | | |
| 9.0 | 18′ 47.7 | 10.1 | K |
| 9.4 | 50.4 | 51.4 | |
| 9.2 | 19 34.0 | 4.2 | K |
| 9.5 | 40.1 | 32.8 | |
| 8.0 | 20 20.5 | 50.1 | B |
| 8.3 | 23.4 | 14.9 | K |
| 8.9 | 29.3 | 59.6 | |
| 9.0 | 43.5 | 40.9 | |
| 8.0 | 52.8 | 31.1 | K |
| 9.2 | 21 16.3 | 35.1 | K |
| 7.8 | 46.9 | 54.1 | K |
| 7.7 | 22 19.1 | 6.8 | K |
| 9.5 | 23.4 | 29.3 | |
| 9.1 | 41.4 | 31.4 | K |
| 8.7 | 43.2 | 35.8 | K |
| 9.3 | 23 24.8 | 1.6 | |
| 9.5 | 33.3 | 2.1 | |
| 9.2 | 24 17.6 | 4.5 | |
| 8.2 | 19.0 | 45.4 | B |
| 8.9 | 20.7 | 7.0 | |
| 8.3 | 52.6 | 30.1 | B |
| 8.7 | 25 27.7 | 8.4 | K |
| 9.5 | 37.4 | 52.4 | |
| 9.5 | 26 6.0 | 13.5 | |
| 9.5 | 38.1 | 31.7 | |
| 9.5 | 27 26.4 | 33.8 | |
| 8.6 | 32.7 | 29.6 | S |
| 9.5 | 38.8 | 53.4 | |
| 9.1 | 38.9 | 44.5 | |
| 9.4 | 28 18.4 | 55.8 | |
| 9.4 | 28.8 | 1.5 | |
| 9.1 | 28.9 | 20.0 | K |
| 9.5 | 41.7 | 25.5 | |
| 9.5 | 56.0 | 53.0 | |
| 9.5 | 57.0 | 45.8 | |
| 9.0 | 29 3.7 | 39.9 | K |
| 8.4 | 4.7 | 36.3 | K |
| 9.3 | 35.4 | 11.9 | |
| 9.0 | 53.5 | 52.0 | K |
| 8.8 | 30 7.1 | 28.7 | |
| 9.3 | 7.7 | 58.6 | |
| 9.3 | 13.2 | 5.6 | K |
| 9.5 | 24.3 | 59.9 | |
| 9.4 | 33.8 | 5.7 | |
| 9.0 | 31 23.0 | 57.5 | |
| 9.5 | 49.5 | 40.0 | |
| 9.4 | 50.7 | 2.7 | |
| 9.4 | 52.4 | 8.2 | |
| 9.1 | 58.9 | 4.7 | K |
| 9.5 | 32 9.7 | 40.6 | |
| 8.5 | 26.8 | 27.6 | |
| 9.5 | 27.4 | 34.9 | |
| 7.7 | 27.8 | 11.6 | B |
| 8.9 | 31.6 | 9.8 | K |
| 8.7 | 46.0 | 12.9 | K |
| 9.5 | 57.3 | 22.1 | |
| 9.1 | 33 3.0 | 43.6 | |
| 9.0 | 5 5 | 34.2 | |
| 9.4 | 5.7 | 37.9 | |
| 8.5 | 11.3 | 3.2 | |
| | + | + | |
| 10pr. | 22.59 | 0.42 | |

### 3321—3380

| | 18ᵐ | +31° | |
|---|---|---|---|
| m | | | |
| 8.0 | 33′ 12.6 | 19.7 | K |
| 9.4 | 31.4 | 39.3 | |
| 9.4 | 34 38.8 | 58.4 | |
| 8.0 | 39.7 | 32.4 | K |
| 9.5 | 49.1 | 18.0 | |
| 9.4 | 58.1 | 34.2 | *a* |
| 7.7 | 35 1.3 | 29.8 | K |
| 9.0 | 20.8 | 33.2 | K |
| 9.3 | 21.6 | 1.5 | |
| 8.7 | 23.7 | 24.6 | K |
| 9.5 | 30.5 | 4.2 | |
| 6.5 | 36 13.5 | 28.6 | K |
| 9.5 | 34.0 | 23.7 | |
| 9.5 | 34.8 | 12.5 | |
| 9.5 | 45.9 | 32.8 | |
| 9.5 | 48.3 | 50.0 | |
| 8.9 | 51.8 | 59.4 | |
| 9.2 | 37 3.7 | 16.6 | K |
| 9.2 | 4.4 | 24.5 | |
| 9.3 | 10.0 | 10.4 | |
| 9.5 | 22.5 | 5.5 | |
| 9.4 | 25.7 | 53.1 | |
| 9.5 | 32.7 | 34.3 | |
| 8.5 | 36.2 | 52.0 | |
| 9.3 | 42.7 | 40.5 | |
| 9.1 | 50.8 | 22.4 | K |
| 8.9 | 38 15.9 | 32.4 | |
| 5.5 | 25.8 | 47.2 | L |
| 9.3 | 30.9 | 32.5 | |
| 9.0 | 32.9 | 13.6 | K |
| 8.5 | 34.1 | 19.1 | K |
| 9.4 | 39 21.6 | 47.5 | |
| 9.2 | 23.2 | 50.3 | K |
| 9.5 | 38.2 | 29.6 | |
| 9.5 | 43.0 | 16.2 | |
| 9.5 | 48.5 | 1.7 | |
| 9.5 | 53.6 | 39.3 | |
| 9.4 | 55.2 | 58.6 | |
| 9.2 | 40 14.0 | 20.3 | B |
| 9.2 | 26.5 | 55.1 | |
| 9.1 | 41 2.0 | 7.2 | *aB* |
| 9.0 | 15.2 | 22.6 | |
| 9.5 | 26.3 | 31.6 | |
| 9.5 | 27.6 | 55.3 | |
| 7.3 | 43.5 | 13.7 | S |
| 9.3 | 48.8 | 12.1 | |
| 9.0 | 51.3 | 1.1 | K |
| 9.0 | 42 9.0 | 14.7 | |
| 6.0 | 29.8 | 36.0 | L |
| 9.3 | 33.5 | 14.7 | |
| 8.5 | 43 40.5 | 25.4 | |
| 9.5 | 44 0.4 | 38.7 | |
| 7.0 | 15.8 | 28.3 | L |
| 9.2 | 27.0 | 29.9 | |
| 8.8 | 34.7 | 37.9 | B |
| 8.9 | 45 13.5 | 11.1 | K |
| 8.9 | 20.6 | 18.8 | B |
| 9.0 | 42.2 | 19.6 | K |
| 9.5 | 42.5 | 55.2 | |
| 9.5 | 57.8 | 3.5 | |
| | + | + | |
| 10pr. | 22.64 | 0.56 | |

### 3381—3440

| | 18ᵐ | +31° | |
|---|---|---|---|
| m | | | |
| 8.8 | 46′ 24.3 | 47.3 | |
| 8.5 | 25.4 | 12.8 | *Kb* |
| 9.5 | 47 7.1 | 22.1 | |
| 8.5 | 17.4 | 13.9 | K |
| 9.5 | 23.6 | 21.5 | |
| 8.7 | 35.4 | 15.9 | K |
| 9.2 | 51.5 | 36.6 | K |
| 9.5 | 55.5 | 47.8 | |
| 9.2 | 58.8 | 43.8 | B |
| 9.5 | 48 10.8 | 11.1 | |
| 9.5 | 14.9 | 58.7 | |
| 9.5 | 35.9 | 48.5 | |
| 9.4 | 36.5 | 11.0 | |
| 9.5 | 42.3 | 31.5 | |
| 9.5 | 49 17.3 | 22.2 | |
| 9.2 | 20.0 | 51.9 | |
| 9.3 | 26.5 | 58.3 | |
| 9.3 | 32.3 | 9.0 | |
| 9.0 | 50 0.8 | 14.7 | B |
| 9.0 | 6.2 | 1.1 | |
| 9.2 | 9.9 | 14.4 | *aB* |
| 9.3 | 28.6 | 18.0 | |
| 9.5 | 33.1 | 50.4 | |
| 8.6 | 42.5 | 32.4 | B |
| 8.7 | 51 4.8 | 5.7 | K |
| 9.0 | 15.8 | 15.5 | |
| 8.8 | 17.7 | 0.7 | K |
| 9.3 | 22.9 | 22.8 | |
| 9.1 | 24.1 | 34.5 | |
| 8.5 | 25.8 | 11.3 | |
| 7.4 | 36.6 | 48.7 | B |
| 8.2 | 37.0 | 56.9 | |
| 9.0 | 45.7 | 59.5 | |
| 9.3 | 52 4.5 | 26.1 | *aB* |
| 8.6 | 6.4 | 57.1 | |
| 9.5 | 36.9 | 55.2 | |
| 9.1 | 53 7.9 | 19.3 | K |
| 9.3 | 10.0 | 29.7 | |
| 8.2 | 45.4 | 30.1 | K |
| 9.0 | 52.9 | 26.0 | K |
| 9.5 | 54 4.1 | 37.0 | |
| 8.8 | 11.5 | 29.5 | B |
| 9.2 | 28.8 | 36.5 | K |
| 5.8 | 32.8 | 56.6 | *Kb* |
| 9.0 | 42.2 | 10.1 | B |
| 9.5 | 55 11.8 | 48.0 | |
| 9.5 | 30.8 | 29.1 | |
| 9.5 | 31.0 | 17.1 | |
| 9.4 | 36.1 | 58.3 | |
| 9.4 | 44.7 | 6.2 | |
| 9.0 | 56 1.6 | 7.9 | B |
| 9.5 | 10.4 | 58.0 | |
| 9.5 | 14.4 | 50.8 | |
| 9.1 | 32.1 | 57.2 | |
| 9.2 | 42.5 | 2.2 | |
| 9.2 | 47.8 | 42.1 | |
| 9.2 | 48.5 | 44.9 | |
| 9.3 | 50.8 | 50.7 | |
| 9.2 | 57 2.1 | 37.3 | |
| 9.4 | 10.4 | 34.1 | |
| | + | + | |
| 10pr. | 22.73 | 0.74 | |

### 3441—3500

| | 18ᵐ—19ᵐ | +31° | |
|---|---|---|---|
| m | | | |
| 8.2 | 57′ 11.1 | 12.5 | K |
| 8.9 | 23.8 | 29.1 | |
| 9.4 | 49.5 | 50.1 | *B* |
| 9.3 | 49.6 | 11.8 | K |
| 8.5 | 51.8 | 28.1 | K |
| 9.5 | 58 34.4 | 10.6 | |
| 9.0 | 43.9 | 57.0 | |
| 8.2 | 49.5 | 8.8 | K |
| 9.5 | 59 4.2 | 35.5 | |
| 9.5 | 8.9 | 57.7 | |
| 9.5 | 20.5 | 15.2 | |
| 9.3 | 23.4 | 37.9 | B |
| 6.0 | 26.6 | 31.8 | L |
| 9.3 | 27.8 | 58.0 | |
| 8.8 | 28.9 | 22.9 | *Kb* |
| 9.4 | 40.2 | 43.1 | |
| 8.0 | 40 3 | 13.3 | K |
| 9.2 | 53.0 | 21.0 | K |
| 9.0 | 0 10.2 | 16.8 | K |
| 9.3 | 25.9 | 22.9 | |
| 9.5 | 48.7 | 9.6 | |
| 9.5 | 49.1 | 45.1 | |
| 9.5 | 54.9 | 13.9 | B |
| 9.3 | 55.0 | 21.2 | K |
| 8.9 | 55.6 | 30.9 | K |
| 9.5 | 1 11.8 | 27.5 | |
| 9.3 | 2 10.7 | 42.2 | |
| 9.4 | 19.5 | 3.0 | |
| 9.5 | 19.9 | 34.0 | |
| 9.1 | 26.3 | 43.2 | *aB* |
| 9.5 | 38.4 | 58.2 | |
| 9.4 | 39.7 | 29.8 | |
| 8.4 | 3 0.5 | 49.8 | L |
| 9.5 | 21.1 | 33.0 | |
| 9.3 | 21.1 | 19.3 | |
| 9.5 | 26.9 | 51.5 | |
| 9.5 | 4 11.1 | 31.3 | |
| 7.6 | 41.0 | 48.8 | L |
| 9.4 | 54.6 | 3.0 | |
| 9.5 | 55.4 | 8.2 | |
| 9.5 | 5 0.3 | 31.3 | |
| 9.5 | 3.3 | 31.1 | |
| 7.3 | 12.9 | 23.8 | *Lb* |
| 9.5 | 13.0 | 30.8 | |
| 8.0 | 13.3 | 5.1 | B |
| 9.5 | 15.8 | 31.3 | |
| 8.5 | 15.9 | 52.7 | |
| 9.1 | 16.9 | 3.9 | *aB* |
| 9.5 | 25.1 | 8.1 | |
| 9.2 | 35.9 | 20.0 | B |
| 9.5 | 51.0 | 21.5 | |
| 9.4 | 54.8 | 27.6 | |
| 9.3 | 57.8 | 16.1 | B |
| 9.4 | 6 1.6 | 13.5 | |
| 8.9 | 4.3 | 13.5 | K |
| 9.1 | 12.6 | 57.9 | |
| 6.0 | 12.8 | 2.7 | *Lb* |
| 9.4 | 47.0 | 3.8 | |
| 9.2 | 47.4 | 56.1 | *aB* |
| 9.4 | 49.5 | 45.8 | |
| | + | + | |
| 10pr. | 22.83 | 0.91 | |

| m | 19h | +31° | |
|---|---|---|---|
| | 3501—3560 | | |
| 9.4 | 6′ 55.8″ | 4.4 | |
| 9.2 | 7 4.3 | 20.3 | B |
| 9.5 | 14.8 | 26.8 | |
| 9.5 | 14.9 | 38.5 | |
| 9.1 | 15.9 | 51.3 | |
| 9.0 | 20.4 | 54.8 | |
| 9.3 | 25.3 | 19.9 | |
| 9.3 | 34.4 | 11.1 | |
| 9.5 | 48.2 | 29.9 | |
| 9.5 | 50.3 | 52.8 | |
| 9.5 | 8 18.4 | 10.1 | |
| 9.3 | 31.7 | 38.8 | aB |
| 9.4 | 9 15.4 | 42.4 | |
| 7.0 | 17.9 | 36.5 | L |
| 9.5 | 49.4 | 38.1 | |
| 8.4 | 10 23.1 | 58.7 | |
| 8.2 | 24.0 | 22.4 | *B* |
| 8.7 | 27.3 | 12.5 | |
| 9.5 | 34.0 | 31.5 | |
| 9.4 | 34.8 | 35.5 | |
| 9.3 | 50.2 | 43.6 | |
| 9.4 | 11 6.1 | 5.1 | |
| 9.5 | 15.5 | 54.8 | |
| 9.5 | 22.6 | 3.9 | |
| 9.2 | 46.9 | 11.4 | |
| 8.7 | 52.2 | 42.8 | |
| 9.1 | 53.4 | 2.5 | B |
| 9.3 | 55.0 | 3.5 | |
| 9.3 | 57.3 | 11.3 | *a* |
| 8.2 | 12 0.1 | 18.5 | K |
| 9.1 | 10.3 | 12.3 | K |
| 9.5 | 11.0 | 47.3 | |
| 9.5 | 20.8 | 22.2 | |
| 9.1 | 33.6 | 59.7 | |
| 8.8 | 48.2 | 42.2 | |
| 9.4 | 50.6 | 5.1 | |
| 9.5 | 13 5.6 | 2.9 | |
| 8.3 | 8.9 | 26.4 | |
| 8.9 | 12.7 | 57.8 | |
| 8.5 | 15.1 | 29.1 | K |
| 8.9 | 19.8 | 54.0 | |
| 9.4 | 47.4 | 11.2 | *a* |
| 9.4 | 49.1 | 27.6 | |
| 7.1 | 55.2 | 42.2 | K |
| 9.0 | 58.1 | 19.7 | |
| 9.2 | 14 9.0 | 42.2 | K |
| 9.5 | 15.8 | 57.0 | |
| 9.4 | 35.5 | 36.0 | |
| 9.1 | 41.0 | 47.8 | |
| 7.0 | 54.5 | 49.9 | L |
| 9.3 | 15 1.9 | 48.7 | |
| 9.4 | 2.5 | 4.3 | |
| 9.4 | 7.2 | 15.8 | |
| 8.6 | 7.9 | 49.8 | B |
| 8.9 | 14.2 | 5.9 | B |
| 9.5 | 36.9 | 1.1 | |
| 9.5 | 54.1 | 4.5 | |
| 9.3 | 56.4 | 32.9 | B |
| 9.0 | 16 1.3 | 23.2 | |
| 9.3 | 5.0 | 24.2 | *a* |
| 10pr. | 22.93 | 1.04 | |

| m | 19h | +31° | |
|---|---|---|---|
| | 3561—3620 | | |
| 9.5 | 16′ 7.3 | 40.3 | |
| 9.5 | 14.8 | 53.7 | |
| 8.4 | 38.0 | 51.8 | B |
| 8.5 | 17 0.1 | 4.1 | K |
| 9.4 | 1.0 | 21.7 | |
| 8.9 | 3.3 | 14.2 | K |
| 8.2 | 8.0 | 27.5 | S |
| 9.5 | 17.4 | 10.5 | |
| 9.5 | 30.8 | 36.0 | |
| 8.0 | 31.9 | 23.1 | B |
| 9.5 | 45.2 | 55.7 | |
| 9.5 | 49.7 | 16.7 | |
| 8.6 | 50.8 | 13.2 | K |
| 8.6 | 18 0.8 | 55.4 | |
| 9.5 | 7.5 | 18.0 | |
| 9.4 | 11.0 | 41.6 | B |
| 8.9 | 12.4 | 1.8 | |
| 9.4 | 29.2 | 15.3 | |
| 9.5 | 36.5 | 31.8 | |
| 9.4 | 39.3 | 49.4 | |
| 8.8 | 46.4 | 38.5 | K |
| 9.5 | 53.1 | 29.5 | |
| 9.0 | 19 1.0 | 22.7 | |
| 9.5 | 3.8 | 11.8 | |
| 9.5 | 14.0 | 6.3 | |
| 9.5 | 18.6 | 5.7 | |
| 8.2 | 21.5 | 31.3 | B |
| 9.3 | 47.3 | 35.5 | |
| 9.4 | 58.7 | 43.4 | |
| 9.5 | 20 3.6 | 2.7 | |
| 9.4 | 43.0 | 49.8 | |
| 7.9 | 58.6 | 2.5 | K |
| 9.2 | 21 0.5 | 0.3 | |
| 9.0 | 2.3 | 39.1 | |
| 9.5 | 3.2 | 49.7 | |
| 9.5 | 25.0 | 56.0 | |
| 9.5 | 25.1 | 17.7 | |
| 9.4 | 29.0 | 54.0 | |
| 9.5 | 32.0 | 48.1 | |
| 9.1 | 32.4 | 55.0 | aB |
| 9.3 | 32.6 | 7.7 | |
| 9.1 | 36.7 | 58.1 | |
| 9.1 | 53.2 | 30.5 | K |
| 9.5 | 56.2 | 35.2 | |
| 9.5 | 22 37.0 | 20.4 | |
| 9.3 | 44.2 | 15.2 | |
| 9.5 | 46.7 | 57.7 | |
| 8.1 | 23 3.1 | 2.8 | K |
| 7.5 | 10.1 | 46.9 | L |
| 7.8 | 11.6 | 2.4 | K |
| 9.5 | 18.0 | 32.8 | |
| 9.0 | 25.1 | 19.2 | |
| 9.5 | 28.5 | 1.3 | |
| 9.4 | 35.4 | 8.9 | |
| 9.5 | 39.3 | 0.4 | |
| 9.5 | 44.8 | 41.5 | |
| 9.5 | 45.2 | 35.6 | |
| 7.0 | 46.5 | 19.5 | K |
| 9.4 | 48.1 | 4.0 | |
| 9.3 | 53.1 | 6.5 | B |
| 10pr. | 23.03 | 1.15 | |

| m | 19h | +31° | |
|---|---|---|---|
| | 3621—3680 | | |
| 9.5 | 23′ 55.2″ | 51.7 | |
| 8.1 | 55.5 | 4.6 | K |
| 9.2 | 59.4 | 59.0 | |
| 9.3 | 24 6.2 | 0.9 | |
| 8.1 | 23.1 | 53.8 | B |
| 9.5 | 23.4 | 36.6 | |
| 9.5 | 32.6 | 16.3 | |
| 9.5 | 50.0 | 41.5 | |
| 9.5 | 55.7 | 20.3 | |
| 8.4 | 59.9 | 34.3 | K |
| 7.5 | 25 1.8 | 40.2 | K |
| 9.1 | 19.1 | 1.5 | K |
| 9.2 | 34.8 | 28.1 | |
| 9.5 | 36.1 | 46.1 | |
| 9.2 | 40.2 | 50.0 | K |
| 9.4 | 45.1 | 42.4 | B |
| 9.5 | 50.6 | 25.8 | |
| 9.2 | 51.2 | 52.5 | K |
| 9.5 | 57.7 | 25.8 | |
| 9.3 | 26 3.6 | 7.7 | |
| 9.4 | 4.3 | 18.7 | B |
| 9.5 | 11.1 | 56.0 | |
| 8.2 | 13.9 | 33.3 | *B* |
| 9.5 | 32.5 | 36.5 | |
| 9.1 | 34.0 | 43.9 | |
| 9.4 | 39.5 | 11.3 | |
| 8.8 | 49.6 | 14.3 | |
| 9.1 | 57.1 | 2.2 | B |
| 9.5 | 27 7.5 | 8.4 | |
| 8.8 | 11.6 | 21.2 | |
| 9.4 | 20.8 | 36.5 | |
| 9.4 | 34.7 | 14.7 | |
| 8.9 | 34.9 | 33.0 | B |
| 9.1 | 51.6 | 33.5 | |
| 9.4 | 52.5 | 10.4 | |
| 9.4 | 58.9 | 37.8 | |
| 9.5 | 28 11.0 | 31.5 | |
| 9.3 | 13.1 | 47.2 | |
| 9.3 | 20.8 | 5.7 | |
| 9.4 | 26.6 | 54.6 | |
| 9.5 | 30.0 | 2.7 | |
| 9.5 | 35.4 | 38.3 | |
| 8.8 | 38.7 | 20.5 | |
| 9.1 | 56.2 | 11.7 | aBb |
| 9.3 | 58.5 | 12.4 | |
| 9.0 | 29 12.2 | 50.8 | |
| 9.2 | 19.9 | 40.0 | |
| 9.3 | 24.8 | 4.7 | |
| 9.0 | 27.9 | 2.1 | |
| 9.2 | 40.5 | 17.2 | aB |
| 9.2 | 30 1.9 | 6.8 | |
| 8.8 | 10.0 | 3.0 | |
| 9.5 | 12.0 | 21.0 | |
| 9.4 | 16.8 | 30.5 | |
| 9.2 | 18.3 | 31.3 | |
| 9.1 | 20.1 | 2.0 | aB |
| 9.4 | 28.1 | 5.0 | |
| 8.0 | 35.6 | 12.5 | B |
| 9.5 | 38.9 | 32.8 | |
| 9.5 | 53.1 | 31.8 | |
| 10pr. | 23.11 | 1.24 | |

| m | 19h | +31° | |
|---|---|---|---|
| | 3681—3740 | | |
| 9.1 | 30′ 55.7″ | 25.4 | K |
| 9.5 | 58.5 | 45.3 | |
| 9.2 | 31 14.5 | 0.8 | |
| 9.5 | 19.5 | 10.5 | |
| 8.5 | 26.8 | 43.8 | |
| 9.5 | 33.6 | 19.6 | |
| 7.8 | 38.8 | 34.6 | B |
| 8.2 | 52.9 | 35.5 | K |
| 8.9 | 56.7 | 9.6 | B |
| 9.4 | 32 1.7 | 2.6 | |
| 8.1 | 9.9 | 25.4 | *B* |
| 9.5 | 12.1 | 49.4 | |
| 9.5 | 25.5 | 43.7 | |
| 7.5 | 40.8 | 25.5 | *B* |
| 8.8 | 47.4 | 33.3 | |
| 8.8 | 49.5 | 12.3 | K |
| 9.2 | 53.3 | 30.3 | |
| 9.3 | 33 5.5 | 20.7 | |
| 8.8 | 8.0 | 40.2 | |
| 8.2 | 13.8 | 30.1 | |
| 8.5 | 14.2 | 13.3 | |
| 9.1 | 21.0 | 5.6 | |
| 9.5 | 23.7 | 24.9 | |
| 9.1 | 35.8 | 16.3 | |
| 9.5 | 37.0 | 41.2 | |
| 9.5 | 38.6 | 13.0 | |
| 9.2 | 41.9 | 37.3 | |
| 8.7 | 44.9 | 32.4 | |
| 9.5 | 34 7.5 | 11.6 | |
| 9.4 | 12.2 | 53.6 | |
| 9.0 | 21.8 | 28.0 | |
| 9.5 | 28.0 | 47.7 | |
| 7.6 | 35.9 | 43.3 | B |
| 9.4 | 39.0 | 39.3 | |
| 8.5 | 43.4 | 1.7 | R |
| 8.5 | 59.6 | 11.6 | |
| 7.1 | 35 3.0 | 4.6 | K |
| 8.4 | 10.7 | 52.1 | |
| 8.7 | 15.8 | 45.2 | |
| 8.7 | 32.6 | 14.9 | |
| 9.5 | 58.8 | 29.8 | |
| 7.8 | 36 22.5 | 9.3 | K |
| 8.1 | 29.5 | 11.8 | K |
| 8.9 | 34.8 | 29.6 | K |
| 9.4 | 43.6 | 14.5 | |
| 9.5 | 46.9 | 33.6 | |
| 8.3 | 50.7 | 24.7 | K*b* |
| 9.5 | 37 4.4 | 1.2 | |
| 9.5 | 7.6 | 34.5 | |
| 9.4 | 17.9 | 35.1 | |
| 9.4 | 28.8 | 59.5 | |
| 9.3 | 31.5 | 43.0 | |
| 9.5 | 45.3 | 58.1 | |
| 9.4 | 46.7 | 21.6 | |
| 8.2 | 47.9 | 37.0 | K |
| 9.4 | 57.4 | 5.9 | |
| 9.0 | 38 1.3 | 58.3 | K |
| 7.8 | 4.0 | 43.7 | K |
| 9.5 | 5.2 | 52.3 | |
| 8.8 | 17.8 | 31.6 | |
| 10pr. | 23.21 | 1.34 | |

| m | 19h | +31° | |
|---|---|---|---|
| | 3741—3800 | | |
| 9.4 | 38′ 28.5″ | 2.9 | |
| 9.3 | 36.6 | 17.6 | |
| 9.4 | 43.9 | 33.6 | |
| 9.4 | 51.1 | 47.4 | |
| 9.0 | 57.9 | 36.0 | |
| 9.5 | 39 4.0 | 45.9 | |
| 9.4 | 8.0 | 3.4 | |
| 9.3 | 19.8 | 31.8 | *a* |
| 9.0 | 24.7 | 30.1 | |
| 9.5 | 28.4 | 40.0 | |
| 9.4 | 37.2 | 53.6 | |
| 7.3 | 37.9 | 4.5 | L |
| 9.5 | 46.1 | 45.6 | |
| 9.4 | 47.8 | 29.1 | |
| 9.5 | 49.3 | 57.3 | |
| 9.5 | 56.5 | 11.4 | |
| 9.4 | 40 2.3 | 59.3 | |
| 9.5 | 3.2 | 53.6 | |
| 9.5 | 14.0 | 40.2 | |
| 9.3 | 25.2 | 56.3 | |
| 9.5 | 32.0 | 23.1 | B |
| 9.5 | 33.5 | 4.0 | |
| 9.5 | 34.6 | 14.5 | |
| 9.4 | 36.9 | 36.2 | |
| 7.2 | 40.1 | 45.6 | K |
| 9.3 | 41.3 | 59.9 | |
| 9.2 | 41.4 | 40.8 | aB |
| 9.5 | 52.0 | 5.8 | |
| 9.4 | 41 5.4 | 2.6 | |
| 9.4 | 17.2 | 44.1 | aB |
| 9.5 | 19.2 | 49.3 | |
| 8.1 | 42.4 | 4.6 | K |
| 9.5 | 45.8 | 58.4 | |
| 9.0 | 56.1 | 48.3 | |
| 8.1 | 59.8 | 26.3 | *B* |
| 9.4 | 42 7.5 | 10.1 | |
| 9.1 | 16.1 | 46.0 | |
| 9.4 | 17.1 | 48.0 | |
| 6.5 | 20.5 | 8.7 | K |
| 9.1 | 23.5 | 0.3 | |
| 8.8 | 24.1 | 44.7 | |
| 9.1 | 32.1 | 45.7 | |
| 9.4 | 32.5 | 2.6 | |
| 9.5 | 37.7 | 22.7 | |
| 8.8 | 43.6 | 22.2 | |
| 8.5 | 52.4 | 17.0 | K |
| 8.7 | 57.1 | 13.0 | K |
| 9.5 | 58.7 | 26.4 | |
| 9.5 | 43 1.0 | 42.9 | |
| 9.1 | 16.0 | 39.7 | |
| 9.3 | 19.0 | 27.6 | aB |
| 9.5 | 20.0 | 26.4 | |
| 9.5 | 20.7 | 53.1 | |
| 9.5 | 25.0 | 58.5 | |
| 9.0 | 27.8 | 49.6 | |
| 8.9 | 42.7 | 24.9 | K |
| 9.1 | 49.5 | 5.7 | |
| 9.4 | 44 10.9 | 35.3 | |
| 9.2 | 14.8 | 30.6 | K |
| 9.5 | 24.9 | 36.0 | |
| 10pr. | 23.31 | 1.43 | |

| 3801—3860 | | | | 3861—3920 | | | | 3921—3980 | | | | 3981—4040 | | | | 4041—4100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵘ | | +31° | | 19ᵘ | | +31° | | 19ᵘ—20ᵘ | | +31° | | 20ᵘ | | +31° | | 20ᵘ | | +31° | |
| m | | ″ | ′ | | m | ″ | ′ | | m | ″ | ′ | | m | ″ | ′ | | m | ″ | ′ | |
| 9.0 | 44′ | 37.0 | 5.2 | K | 9.4 | 52′ | 33.7 | 49.6 | B | 8.6 | 58′ | 30.5 | 44.8 | B | 9.3 | 5′ | 26.4 | 32.6 | | 8.9 | 14′ | 42.8 | 58.3 | |
| 9.2 | | 38.4 | 7.9 | K | 9.1 | | 38.1 | 23.9 | B*b* | 9.3 | | 34.8 | 42.8 | | 8.5 | | 28.9 | 6.4 | *B* | 7.2 | | 44.7 | 33.8 | K |
| 8.8 | | 42.2 | 51.6 | K | 9.3 | | 39.0 | 24.8 | | 8.1 | | 35.7 | 31.7 | L | 9.5 | | 37.6 | 9.4 | | 8.8 | 15 | 12.7 | 35.4 | K |
| 8.4 | | 50.5 | 11.6 | K | 8.4 | | 43.4 | 5.2 | K | 8.3 | | 46.2 | 22.4 | *B* | 9.5 | 6 | 2.5 | 30.4 | | 8.5 | | 29.2 | 6.5 | |
| 9.2 | 45 | 15.5 | 8.6 | K | 9.5 | | 52.6 | 40.7 | | 6.0 | | 55.2 | 48.8 | K | 9.4 | | 19.7 | 44.9 | | 9.4 | | 30.5 | 4.3 | |
| 9.5 | | 24.8 | 28.4 | | 9.4 | 53 | 2.7 | 9.9 | | 9.0 | 59 | 2.6 | 38.0 | B | 9.2 | | 29.2 | 25.3 | K | 7.9 | | 46.6 | 51.2 | K |
| 9.5 | | 31.4 | 38.5 | | 9.3 | | 6.1 | 44.7 | | 9.5 | | 6.8 | 52.0 | | 9.4 | | 33.0 | 27.2 | | 9.3 | | 47.5 | 29.0 | |
| 9.5 | | 35.6 | 17.5 | | 9.1 | | 10.8 | 27.4 | | 9.3 | | 7.0 | 57.2 | | 8.0 | | 34.6 | 38.9 | K | 7.6 | | 51.8 | 59.8 | K |
| 9.3 | 46 | 2.3 | 29.1 | | 9.3 | | 12.9 | 34.3 | | 9.1 | | 11.7 | 34.7 | *a* | 9.4 | | 35.0 | 38.4 | | 9.5 | 16 | 2.7 | 6.6 | |
| 9.2 | | 6.6 | 7.7 | | 9.0 | | 13.8 | 13.5 | K | 8.8 | | 14.7 | 46.0 | K | 9.5 | | 37.7 | 51.0 | B | 9.5 | | 9.6 | 54.5 | |
| 9.3 | | 9.0 | 38.5 | | 9.4 | | 16.0 | 57.9 | | 9.3 | | 26.0 | 51.4 | | 8.8 | 7 | 2.6 | 52.9 | K | 8.9 | | 25.1 | 55.5 | |
| 9.4 | | 18.1 | 4.3 | | 9.5 | | 21.5 | 4.5 | B | 8.6 | | 45.6 | 33.6 | | 9.5 | | 4.0 | 47.0 | | 9.5 | | 29.8 | 59.3 | |
| 7.6 | | 19.0 | 13.6 | *B* | 9.5 | | 23.4 | 9.5 | | 9.5 | | 52.1 | 22.3 | | 9.5 | | 18.4 | 42.3 | | 8.6 | | 32.0 | 51.1 | |
| 7.5 | | 20.1 | 20.2 | B | 9.4 | | 24.4 | 10.4 | B | 9.5 | | 54.2 | 49.6 | B | 9.5 | | 25.5 | 12.9 | | 8.5 | | 37.2 | 51.1 | |
| 8.4 | | 28.7 | 25.4 | | 9.5 | | 41.9 | 55.8 | | 9.5 | 0 | 3.2 | 22.3 | | 8.9 | | 38.3 | 58.5 | | 9.5 | | 52.5 | 45.0 | |
| 9.3 | | 33.9 | 17.3 | *aB* | 8.3 | | 43.0 | 42.7 | *B* | 9.2 | | 19.7 | 59.8 | | 9.5 | | 56.0 | 38.7 | *aB* | 7.0 | | 56.9 | 4.9 | K |
| 9.4 | | 38.6 | 15.8 | | 9.3 | | 49.6 | 17.0 | | 9.5 | | 24.5 | 5.4 | | 9.5 | | 57.5 | 0.8 | | 8.0 | 17 | 20.3 | 58.7 | K |
| 9.5 | | 47.6 | 26.1 | | 6.9 | | 58.2 | 25.7 | K | 9.5 | | 28.7 | 59.0 | | 9.1 | 8 | 9.4 | 17.9 | | 8.1 | | 29.8 | 2.7 | K |
| 9.5 | | 49.0 | 26.7 | | 8.1 | 54 | 11.7 | 26.9 | K | 8.7 | | 33.8 | 22.9 | | 8.7 | | 21.7 | 7.8 | | 8.7 | | 33.8 | 35.6 | |
| 9.5 | | 58.6 | 17.3 | | 9.2 | | 12.4 | 28.8 | *aB* | 9.5 | | 35.0 | 56.5 | | 9.5 | | 26.9 | 17.2 | | 8.5 | | 39.6 | 56.3 | K |
| 9.4 | 47 | 1.2 | 47.7 | | 9.4 | | 29.7 | 43.6 | | 9.5 | | 39.6 | 12.7 | | 7.0 | | 29.7 | 32.8 | L | 8.0 | | 52.2 | 12.6 | K |
| 8.8 | | 2.9 | 35.0 | | 9.4 | | 52.9 | 58.3 | | 9.2 | | 53.4 | 32.2 | | 8.8 | | 30.9 | 54.5 | K | 5.0 | 18 | 4.5 | 43.0 | K*b* |
| 9.2 | | 12.3 | 20.5 | | 9.5 | 55 | 0.2 | 17.1 | | 9.1 | | 58.7 | 40.4 | | 8.0 | | 37.8 | 3.1 | | 9.0 | | 15.2 | 37.6 | |
| 9.1 | | 18.6 | 15.5 | K | 9.3 | | 0.7 | 6.0 | K | 9.0 | 1 | 1.7 | 39.3 | | 8.7 | | 49.8 | 41.1 | K | 9.5 | | 19.6 | 58.1 | |
| 9.5 | | 28.9 | 2.9 | | 9.5 | | 13.9 | 57.1 | | 9.5 | | 18.8 | 36.8 | | 9.5 | | 51.0 | 45.3 | | 9.3 | | 35.2 | 38.6 | *a* |
| 9.5 | | 37.8 | 41.3 | | 9.4 | | 19.0 | 27.1 | B | 8.9 | | 21.3 | 52.1 | K | 8.5 | 9 | 8.1 | 6.0 | K | 9.5 | | 37.3 | 8.2 | |
| 9.2 | | 38.8 | 29.1 | | 9.2 | | 38.4 | 54.6 | | 9.0 | | 26.4 | 43.5 | | 9.5 | | 39.0 | 48.5 | | 9.5 | | 40.0 | 30.7 | |
| 9.4 | | 40.6 | 13.8 | | 8.8 | | 40.7 | 7.5 | K | 9.5 | | 34.6 | 54.6 | | 9.3 | 10 | 4.1 | 50.0 | | 9.1 | | 44.7 | 32.7 | |
| 9.4 | 48 | 8.2 | 54.6 | | 8.9 | | 41.8 | 22.3 | | 9.5 | | 41.0 | 26.9 | | 8.8 | | 4.9 | 53.7 | | 8.6 | | 45.8 | 44.5 | K |
| 8.9 | | 25.5 | 5.7 | | 9.1 | | 46.1 | 41.5 | | 8.9 | | 41.7 | 8.2 | B | 9.0 | | 9.5 | 34.4 | | 9.4 | | 51.9 | 21.5 | B |
| 9.5 | | 25.6 | 56.6 | | 8.8 | | 48.2 | 43.3 | B | 9.5 | | 48.8 | 42.2 | | 9.5 | | 9.6 | 25.7 | | 9.5 | | 57.4 | 34.1 | |
| 9.3 | | 37.1 | 47.7 | | 9.3 | | 51.2 | 56.1 | | 9.3 | | 49.2 | 35.0 | | 8.6 | | 14.2 | 29.2 | K | 9.0 | 19 | 1.7 | 10.9 | |
| 9.5 | | 38.7 | 23.0 | | 9.5 | | 59.7 | 45.3 | | 8.0 | 2 | 0.6 | 39.7 | B | 8.9 | | 15.5 | 54.1 | | 9.5 | | 9.8 | 1.1 | |
| 9.3 | | 42.7 | 43.1 | | 9.5 | 56 | 0.0 | 47.8 | | 9.5 | | 7.4 | 18.6 | | 8.7 | | 21.7 | 28.7 | K | 9.3 | | 16.7 | 12.4 | |
| 8.9 | | 52.1 | 42.0 | B | 8.4 | | 9.7 | 14.7 | | 9.3 | | 8.1 | 42.8 | *a* | 9.4 | | 23.0 | 44.7 | | 7.8 | | 17.6 | 59.9 | L |
| 9.4 | | 57.9 | 32.4 | | 9.2 | | 22.5 | 49.0 | | 9.3 | | 9.8 | 2.5 | *aB* | 8.0 | 11 | 1.0 | 39.6 | K | 8.8 | | 18.5 | 30.1 | K |
| 8.8 | 49 | 1.8 | 27.5 | | 9.1 | | 26.6 | 45.5 | | 9.4 | | 15.5 | 55.4 | | 9.2 | | 3.0 | 4.0 | K | 9.1 | | 19.7 | 6.4 | |
| 9.5 | | 3.5 | 3.5 | | 9.0 | | 29.7 | 4.5 | | 9.3 | | 30.2 | 42.4 | *aB* | 7.2 | | 4.5 | 56.1 | K | 9.4 | 20 | 25.8 | 1.3 | |
| 9.5 | | 12.9 | 37.8 | | 9.5 | | 31.0 | 29.4 | | 9.2 | | 34.3 | 25.5 | *aBb* | 9.1 | | 5.1 | 50.0 | | 9.0 | | 26.2 | 0.6 | |
| 9.5 | | 22.5 | 11.1 | *a* | 9.3 | | 37.8 | 1.4 | | 9.5 | | 35.3 | 27.4 | | 6.5 | | 7.6 | 3.7 | K | 9.2 | | 28.9 | 25.4 | *aB* |
| 8.5 | | 35.7 | 22.9 | | 8.7 | | 38.2 | 12.8 | | 9.5 | | 40.8 | 49.6 | | 9.5 | | 9.9 | 40.9 | | 9.4 | | 52.4 | 5.1 | |
| 9.2 | | 36.6 | 7.7 | | 9.5 | | 45.1 | 3.7 | | 8.7 | | 43.7 | 41.3 | | 9.5 | | 10.7 | 44.5 | B | 9.4 | | 56.2 | 2.3 | |
| 8.8 | | 44.6 | 14.8 | | 9.1 | | 52.2 | 3.2 | | 9.4 | | 44.2 | 43.7 | *a* | 9.3 | | 14.5 | 22.5 | | 9.5 | 21 | 7.5 | 28.2 | |
| 9.5 | | 54.2 | 52.6 | | 8.8 | 57 | 4.2 | 17.8 | | 8.1 | | 53.9 | 7.4 | B | 9.2 | | 23.2 | 6.5 | K | 9.2 | | 8.0 | 20.8 | |
| 9.4 | | 56.5 | 4.7 | | 6.7 | | 7.0 | 33.4 | L*b* | 9.0 | | 58.3 | 2.7 | | 9.4 | | 46.7 | 7.5 | | 9.4 | | 23.5 | 33.2 | |
| 9.3 | 50 | 0.5 | 12.2 | B | 9.3 | | 22.4 | 38.6 | | 9.5 | 3 | 23.0 | 58.8 | | 9.5 | | 48.0 | 5.5 | | 9.5 | | 31.7 | 25.7 | |
| 8.6 | | 9.7 | 20.2 | | 8.0 | | 29.7 | 30.8 | B | 9.5 | | 29.8 | 55.0 | B | 8.8 | | 59.7 | 41.0 | | 9.5 | | 32.1 | 29.4 | |
| 9.4 | | 28.0 | 46.4 | | 9.3 | | 30.7 | 36.9 | | 9.2 | | 32.4 | 48.0 | | 9.1 | 12 | 2.0 | 3.7 | | 9.3 | | 32.4 | 13.0 | |
| 9.5 | | 37.3 | 24.9 | | 9.1 | | 32.8 | 32.9 | | 9.3 | | 49.1 | 5.0 | | 7.0 | | 38.7 | 39.5 | L | 9.0 | | 38.7 | 16.1 | B |
| 9.5 | | 46.4 | 7.4 | | 9.5 | | 33.2 | 38.8 | | 9.5 | | 55.9 | 52.7 | | 9.5 | | 51.2 | 59.0 | | 9.3 | | 44.8 | 22.8 | *aB* |
| 9.5 | | 52.9 | 33.3 | | 8.4 | | 49.6 | 51.9 | *B* | 9.0 | | 56.6 | 36.2 | | 9.4 | | 53.7 | 58.7 | | 9.5 | | 47.9 | 39.5 | |
| 8.0 | 51 | 2.0 | 38.7 | *B* | 9.5 | | 51.9 | 7.9 | | 8.6 | 4 | 9.5 | 42.6 | | 9.3 | | 57.5 | 48.5 | | 8.8 | | 50.2 | 55.1 | K |
| 9.5 | | 21.1 | 45.6 | | 8.9 | | 52.7 | 55.4 | | 9.4 | | 37.7 | 15.9 | | 7.0 | 13 | 44.8 | 35.5 | K | 9.5 | | 55.4 | 22.9 | *aB* |
| 9.4 | | 21.3 | 30.8 | | 9.0 | | 57.0 | 25.3 | | 9.5 | | 38.2 | 58.4 | | 9.5 | | 57.5 | 36.8 | | 9.2 | 22 | 9.7 | 40.2 | |
| 9.4 | | 21.5 | 12.1 | B | 8.2 | 58 | 0.9 | 20.4 | *B* | 8.3 | | 38.7 | 34.4 | | 9.5 | 14 | 1.3 | 36.0 | | 9.2 | | 14.7 | 51.2 | *aB* |
| 9.5 | | 50.3 | 2.2 | | *9.0 | | 2.7 | 27.1 | | 9.3 | | 58.0 | 53.6 | B | 9.0 | | 3.2 | 14.0 | K*b* | 9.3 | | 20.9 | 23.4 | |
| 9.2 | 52 | 22.1 | 44.7 | | *9.5 | | 7.7 | 12.2 | | 9.4 | 5 | 6.8 | 8.2 | | 9.4 | | 8.0 | 36.5 | | 9.4 | | 29.3 | 2.2 | |
| 9.1 | | 26.6 | 16.3 | | 9.4 | | 17.0 | 56.2 | | 9.3 | | 8.7 | 3.5 | | 9.4 | | 12.8 | 33.4 | *aB* | 8.5 | | 37.4 | 44.7 | K |
| 9.5 | | 27.4 | 30.4 | | 8.8 | | 28.4 | 16.5 | | 9.5 | | 17.9 | 22.8 | | 9.5 | | 15.1 | 31.9 | | 9.3 | | 53.6 | 11.3 | |
| 9.5 | | 28.2 | 54.9 | | 9.5 | | 28.7 | 21.4 | | 7.5 | | 22.5 | 51.6 | K | 9.2 | | 37.5 | 38.0 | | 8.9 | 23 | 1.0 | 29.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 23.42 | 1.52 | | 10pr. | | 23.55 | 1.62 | | 10pr. | | 23.65 | 1.69 | | 10pr. | | 23.81 | 1.81 | | 10pr. | | 23.99 | 1.91 | |

| 3916*a* | | | | |
|---|---|---|---|---|
| 9.5 | 58 | 2.7 | 44.6 | *a* |

| 4101—4160 | | | | | 4161—4220 | | | | | 4221—4280 | | | | | 4281—4340 | | | | | 4341—4400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | | +31° | | | 20ᵘ | | +31° | | | 20ᵘ | | +31° | | | 20ᵘ—21ᵘ | | +31° | | | 21ᵘ | | +31° | |
| m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | |
| 9.3 | 23 | 6.1 | 45.2 | | 8.2 | 31 | 53.9 | 53.1 | K | 7.8 | 41 | 48.0 | 22.8 | L | 8.7 | 51 | 20.5 | 54.9 | B | 9.4 | 1 | 24.6 | 17.1 | |
| 9.5 | | 8.4 | 24.5 | | 9.0 | | 56.7 | 53.9 | K | 7.8 | | 51.1 | 8.2 | K | 9.4 | | 32.6 | 14.4 | B | 9.5 | | 36.6 | 56.2 | |
| 9.4 | | 11.9 | 13.4 | | 9.2 | | 58.3 | 7.0 | aB | 9.1 | | 54.7 | 29.9 | | 9.3 | | 43.7 | 37.6 | | 9.1 | | 37.4 | 31.2 | aB |
| 8.8 | | 18.0 | 27.5 | | 8.6 | 32 | 2.1 | 29.4 | | 9.0 | | 56.3 | 42.3 | | 9.5 | | 47.3 | 28.1 | B | 8.3 | | 48.2 | 30.9 | K |
| 9.1 | | 28.4 | 12.4 | | 8.1 | | 8.2 | 15.5 | K | 8.5 | 42 | 1.0 | 36.6 | | 9.1 | | 53.2 | 6.5 | | 8.6 | 2 | 7.9 | 32.2 | K |
| 9.4 | | 37.8 | 19.3 | | 8.5 | | 18.0 | 34.3 | | 9.5 | | 48.6 | 27.2 | | 9.4 | | 53.6 | 55.4 | *a* | 9.5 | | 16.2 | 22.7 | |
| 9.5 | | 49.3 | 51.9 | | 8.8 | | 25.8 | 28.6 | K | 9.5 | 43 | 7.9 | 16.5 | | 9.4 | 52 | 2.8 | 8.2 | | 9.0 | | 21.1 | 12.1 | |
| 9.4 | | 56.3 | 39.6 | aB | 9.5 | | 27.9 | 47.5 | | 9.3 | | 9.9 | 17.3 | B | 9.4 | | 14.9 | 48.0 | | 9.0 | | 41.6 | 51.7 | |
| 9.5 | 24 | 0.5 | 43.2 | | 9.5 | 33 | 4.4 | 46.6 | | 9.5 | | 12.1 | 57.5 | | 9.2 | | 19.7 | 54.2 | K | 9.2 | | 52.7 | 4.0 | |
| 9.1 | | 15.0 | 52.9 | *b* | 9.5 | | 7.8 | 55.0 | | 8.3 | | 24.4 | 45.5 | K | 9.4 | | 29.3 | 4.6 | | 9.4 | 3 | 6.2 | 21.9 | |
| 9.5 | | 35.2 | 7.5 | | 9.3 | | 8.4 | 10.8 | | 9.4 | | 26.2 | 2.1 | aB | 9.0 | | 33.0 | 51.3 | K | 9.3 | | 7.1 | 27.0 | |
| 9.5 | | 39.8 | 35.2 | | 8.9 | | 45.7 | 6.0 | K | 9.5 | | 28.7 | 7.3 | | 7.0 | | 42.7 | 5.4 | L*b* | 9.3 | | 18.6 | 23.0 | |
| 9.5 | | 39.9 | 22.1 | | 9.5 | 34 | 1.0 | 49.1 | B | 9.5 | | 55.0 | 15.1 | | 9.5 | | 47.2 | 53.5 | | 9.1 | | 19.4 | 14.7 | |
| 9.5 | 25 | 4.0 | 57.0 | aB | 8.8 | | 31.7 | 23.0 | K | 9.4 | 44 | 0.5 | 48.5 | | 9.2 | | 49.8 | 2.2 | | 9.5 | | 42.3 | 40.8 | |
| 9.5 | | 17.6 | 28.4 | aB | 9.5 | | 37.1 | 21.3 | | 9.5 | | 4.8 | 16.9 | | 9.4 | 53 | 1.6 | 44.6 | B | 9.4 | | 43.4 | 0.6 | |
| 9.5 | | 28.1 | 21.9 | | 9.0 | | 44.2 | 55.6 | | 9.5 | | 14.5 | 39.9 | | 9.0 | | 2.6 | 10.8 | | 9.4 | | 43.4 | 8.6 | |
| 9.5 | | 50.9 | 48.0 | | 9.5 | | 47.0 | 36.6 | | 9.5 | | 34.9 | 25.3 | | 8.1 | | 3.5 | 40.5 | *B* | 8.4 | | 54.1 | 54.0 | K |
| 9.5 | 26 | 1.8 | 26.9 | | 9.4 | | 53.7 | 55.4 | | 9.1 | | 50.2 | 3.6 | K*b* | 8.6 | | 14.7 | 20.2 | B | 7.2 | | 59.6 | 37.8 | K |
| 9.5 | | 6.8 | 24.2 | | 9.5 | | 55.4 | 9.7 | | 9.5 | 45 | 0.4 | 41.1 | | 9.2 | | 18.1 | 59.9 | K | 9.5 | 4 | 0.8 | 15.3 | B |
| 9.5 | | 9.0 | 7.2 | | 9.5 | | 58.8 | 9.2 | | 9.5 | | 10.0 | 2.1 | B | 9.1 | | 31.0 | 37.8 | | 9.5 | | 1.7 | 11.7 | B |
| 9.5 | | 10.1 | 23.5 | | 6.0 | 35 | 10.7 | 47.5 | S*b* | 9.5 | | 18.3 | 59.8 | B | 9.3 | | 33.5 | 47.0 | | 9.1 | | 6.8 | 38.5 | K |
| 9.4 | | 44.7 | 12.2 | | 9.1 | | 28.6 | 21.6 | K | 9.5 | | 33.0 | 37.6 | | 9.2 | | 41.6 | 59.8 | K | 9.4 | | 8.7 | 4.6 | B |
| 9.5 | | 47.4 | 4.8 | | 9.2 | | 37.4 | 18.1 | K | 9.5 | | 39.2 | 42.3 | | 9.4 | 54 | 0.2 | 5.0 | | 9.4 | | 9.2 | 15.3 | B |
| 9.5 | | 56.6 | 5.0 | | 9.3 | 36 | 11.0 | 39.6 | | 9.5 | 46 | 9.1 | 54.9 | | 7.0 | | 1.6 | 56.2 | L | 9.0 | | 25.3 | 41.4 | K |
| 8.0 | 27 | 11.2 | 14.6 | K | 9.4 | | 20.9 | 10.9 | | 9.5 | | 27.4 | 37.4 | | 9.4 | | 5.3 | 56.4 | aB | 9.5 | | 31.3 | 1.1 | |
| 7.6 | | 13.5 | 10.2 | K | 9.4 | | 28.2 | 56.3 | | 9.5 | | 36.3 | 15.9 | | 9.5 | | 6.7 | 46.3 | | 9.5 | | 37.0 | 40.6 | |
| 9.3 | | 23.4 | 41.1 | | 9.5 | | 34.4 | 49.2 | | 8.1 | | 49.7 | 11.0 | L | 9.5 | | 35.2 | 37.9 | | 9.4 | | 39.6 | 4.1 | |
| 8.9 | | 40.7 | 46.7 | B | 9.5 | | 36.6 | 54.4 | | 9.0 | | 51.4 | 54.7 | | 9.4 | | 41.2 | 42.8 | | 9.5 | | 39.6 | 54.5 | |
| 8.5 | | 40.9 | 24.8 | B | 9.4 | | 43.5 | 9.7 | | 8.5 | | 57.6 | 15.9 | | 8.0 | | 46.8 | 36.4 | L | 9.1 | | 59.7 | 58.0 | B*b* |
| 9.5 | | 41.3 | 20.1 | | 9.5 | | 44.0 | 51.7 | *B* | 9.5 | 47 | 4.0 | 4.5 | | 9.5 | | 54.4 | 6.0 | B | 9.4 | 5 | 44.2 | 35.6 | |
| 9.4 | | 44.3 | 42.3 | | 9.5 | | 49.4 | 15.6 | | 9 2 | | 19.8 | 48.5 | | 9.2 | | 57.8 | 21.8 | B | 9.5 | | 46.1 | 54.5 | |
| 9.5 | | 55.6 | 24.0 | | 9.0 | | 56.1 | 39.1 | | 9.4 | | 24.1 | 37.9 | | 9.4 | 55 | 23.9 | 36.9 | | 9.3 | | 49.0 | 51.0 | |
| 8.6 | 28 | 2.6 | 41.6 | | 9.2 | | 57.3 | 1.6 | | 9.4 | | 27.0 | 34.2 | | 9.5 | | 35.4 | 36.9 | | 9.4 | | 51.9 | 56.0 | |
| 8.6 | | 7.4 | 35.0 | | 8.7 | 37 | 1.2 | 23.1 | K | 6.7 | | 33.7 | 5.0 | L | 9.2 | | 40.5 | 35.4 | | 9.4 | 6 | 2.1 | 2.3 | |
| 9.5 | | 14.0 | 16.7 | | 9.3 | | 2.5 | 13.2 | | 9.5 | | 38.5 | 48.0 | | 9.5 | | 50.9 | 58.4 | | 9.5 | | 23.2 | 34.6 | |
| 9.3 | | 28.2 | 52.8 | | 9.3 | | 6.2 | 30.5 | | 9.1 | | 48.7 | 20.9 | K | 8.7 | | 57.2 | 40.3 | L | 9.4 | | 26.2 | 41.6 | B |
| 8.5 | | 34.6 | 3.6 | | 9.5 | | 28.4 | 5.8 | | 9.3 | | 49.2 | 33.7 | | 9.5 | 56 | 15.6 | 30.4 | | 8.2 | | 27.0 | 26.2 | K |
| 9.3 | | 40.6 | 57.9 | | 9.3 | | 29.3 | 35.7 | | 9.5 | | 57.0 | 18.2 | | 9.2 | | 22.9 | 30.6 | | 9.5 | | 28.1 | 37.6 | |
| 9.0 | | 45.5 | 37.6 | | 9.5 | | 34.6 | 30.5 | | 9.4 | | 57.9 | 8.1 | | 9.2 | | 45.7 | 11.1 | | 9.4 | | 36.1 | 16.7 | B |
| 9.5 | | 52.9 | 22.6 | | 9.5 | | 36.0 | 41.1 | B | 9.5 | | 59.8 | 50.1 | | 7.2 | | 55.8 | 46.9 | K | 9.1 | | 42.9 | 43.1 | |
| 9.5 | 29 | 0.3 | 38.7 | | 9.2 | | 38.5 | 36.2 | | 9.5 | 48 | 27.3 | 35.0 | | 8.2 | 57 | 10.4 | 25.6 | K | 9.3 | 7 | 1.4 | 46.0 | |
| 8.5 | | 0.7 | 57.9 | L | 9.3 | 38 | 8.1 | 35.4 | | 9.3 | | 46.5 | 52.8 | | 9.5 | | 23.9 | 8.4 | | 9.5 | | 6.7 | 39.0 | |
| 8.2 | | 10.2 | 32.5 | L | 9.5 | | 23.9 | 21.4 | | 9.3 | | 46.5 | 25.6 | | 9.2 | | 27.6 | 54.3 | | 8.9 | | 45.0 | 49.3 | |
| 9.4 | | 15.1 | 58.4 | | 8.0 | | 31.1 | 10.4 | L | 9.5 | 49 | 10.6 | 57.9 | | 8.4 | 58 | 18.4 | 26.3 | K*b* | 8.3 | 8 | 1.7 | 24.3 | K |
| 9.0 | | 22.1 | 19.4 | | 9.5 | | 40.4 | 32.1 | | 9.5 | | 18.2 | 26.5 | | 8.1 | | 19.3 | 5.8 | K | 9.1 | | 9.1 | 11.3 | |
| 9.2 | | 25.6 | 26.8 | | 8.6 | | 44.8 | 20.0 | L | 9.5 | | 41.6 | 14.2 | | 9.5 | | 35.4 | 3.6 | | 9.4 | | 34.3 | 24.4 | aB |
| 9.5 | | 56.4 | 22.1 | | 8.5 | | 47.9 | 46.2 | | 7.8 | | 45.7 | 36.9 | L | 9.3 | | 46.6 | 53.7 | | 9.5 | 9 | 6.0 | 13.8 | |
| 9.4 | | 59.0 | 41.1 | | 9.5 | 39 | 4.4 | 34.8 | | 7.6 | | 54.8 | 32.7 | L | 9.3 | | 56.7 | 18.0 | | 8.7 | | 12.3 | 52.6 | K |
| 9.5 | 30 | 26.4 | 42.7 | | 9.5 | | 11.8 | 29.5 | | 9.5 | | 58.5 | 21.3 | | 9.0 | | 59.9 | 12.8 | | 9.3 | | 26.7 | 21.5 | |
| 9.1 | | 40.3 | 18.4 | | 8.0 | | 17.7 | 14.6 | K | 9.4 | 50 | 3.6 | 25.3 | B | 9.4 | 59 | 23.9 | 48.2 | | 9.5 | | 29.7 | 31.1 | |
| 9.3 | | 45.1 | 58.0 | | 9.5 | | 58.4 | 6.0 | | 8.9 | | 10.7 | 48.8 | K | 9.5 | | 33.0 | 12.1 | | 9.4 | | 34.5 | 9.7 | |
| 8.6 | | 56.4 | 56.9 | K | 9.0 | 40 | 5.8 | 39.3 | | 9.4 | | 17.0 | 24.9 | | 9.1 | | 43.4 | 40.0 | *b* | 9.5 | | 41.9 | 17.0 | |
| 8.7 | 31 | 4.2 | 11.7 | | 8.2 | | 14.1 | 45.2 | K | 9.5 | | 19.1 | 34.9 | | 9.5 | | 43.6 | 57.6 | | 7.3 | | 43.4 | 27.6 | K |
| 7.1 | | 8.5 | 51.2 | K | 8.8 | | 24.2 | 26.4 | K | 9.5 | | 20.0 | 9.0 | | 9.2 | | 45.0 | 52.5 | | 9.5 | | 57.0 | 41.5 | |
| 9.3 | | 14.7 | 46.6 | aB | 9.5 | | 33.7 | 3.4 | | 9.5 | | 21.6 | 58.9 | | 9.5 | 0 | 17.4 | 33.5 | | 9.3 | 10 | 8.3 | 39.9 | |
| 9.4 | | 16.7 | 41.4 | | 8.9 | | 37.8 | 26.2 | K | 9.2 | | 28.4 | 53.4 | | 9.3 | | 17.8 | 2.5 | | 9.5 | | 8.6 | 6.3 | |
| 9.5 | | 17.9 | 2.6 | | 7.2 | | 54.3 | 53.4 | K | 9.3 | | 42.5 | 22.5 | | 8.7 | | 27.3 | 51.9 | K | 9.4 | | 12.7 | 20.8 | B |
| 7.5 | | 36.0 | 32.9 | L | 8.8 | 41 | 7.8 | 37.3 | | 8.7 | | 43.3 | 49.7 | K | 9.5 | | 37.4 | 18.2 | | 9.2 | | 16.4 | 37.6 | |
| 6.2 | | 37.9 | 4.0 | K | 9.3 | | 12.3 | 2.0 | | 8.5 | | 43.8 | 2.3 | | 9.5 | | 50.6 | 42.9 | | 9.3 | | 41.2 | 13.8 | |
| 6.4 | | 38.8 | 1.0 | K*b* | 7.7 | | 13.7 | 38.1 | L | 9.2 | 51 | 3.0 | 15.1 | K*b* | 7.5 | 1 | 20.8 | 55.1 | L | 9.5 | 11 | 3.3 | 8.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *24.17* | *2.01* | | *10pr.* | | *24.37* | *2.11* | | *10pr.* | | *24.61* | *2.23* | | *10pr.* | | *24.80* | *2.31* | | *10pr.* | | *25.07* | *2.42* | |

4401—4460

| m | 21h | +31° | |
|---|---|---|---|
| 8.7 | 11′ 5.2 | 33.8 | |
| 7.8 | 14.4 | 17.6 | B |
| 8.8 | 15.0 | 27.1 | |
| 9.5 | 17.3 | 3.3 | |
| 9.0 | 22.3 | 22.0 | |
| 9.5 | 26.0 | 48.3 | |
| 9.5 | 12 11.7 | 51.8 | |
| 9.0 | 13.3 | 31.8 | K |
| 9.4 | 27.4 | 30.8 | B |
| 9.5 | 36.4 | 7.9 | |
| 9.4 | 39.1 | 13.7 | B |
| 9.4 | 42.2 | 40.3 | |
| 9.4 | 43.8 | 47.9 | |
| 9.5 | 50.7 | 26.0 | |
| 8.5 | 51.7 | 51.0 | |
| 7.3 | 52.1 | 34.9 | K |
| 9.5 | 13 5.9 | 33.8 | |
| 9.5 | 49.3 | 51.6 | |
| 9.5 | 53.5 | 8.4 | |
| 9.5 | 54.4 | 53.6 | |
| 9.0 | 14 26.1 | 28.0 | |
| 9.5 | 27.6 | 58.1 | |
| 9.2 | 37.1 | 3.5 | |
| 9.3 | 42.0 | 59.5 | |
| 6.7 | 43.8 | 50.9 | L |
| 9.1 | 15 24.4 | 5.5 | b |
| 9.5 | 46.8 | 7.9 | |
| 9.4 | 48.0 | 12.0 | |
| 9.4 | 49.1 | 49.6 | |
| 9.5 | 16 11.7 | 1.5 | |
| 8.5 | 24.0 | 20.9 | K |
| 8.3 | 52.5 | 24.8 | K |
| 9.1 | 57.7 | 6.5 | aB |
| 9.5 | 17 11.7 | 56.6 | |
| 8.8 | 16.8 | 39.7 | |
| 9.5 | 55.2 | 33.0 | |
| 8.6 | 18 10.7 | 9.0 | B |
| 9.5 | 14.7 | 11.2 | |
| 9.2 | 23.6 | 25.0 | K |
| 8.9 | 25.0 | 16.2 | K |
| 9.5 | 52.7 | 48.0 | |
| 9.3 | 19 1.0 | 2.5 | |
| 8.6 | 13.7 | 33.2 | Kb |
| 9.5 | 18.8 | 13.2 | |
| 9.5 | 25.1 | 27.0 | |
| 9.3 | 50.0 | 8.8 | B |
| 9.3 | 20 11.5 | 44.5 | B |
| 9.4 | 14.0 | 38.7 | |
| 9.2 | 17.5 | 1.9 | |
| 9.0 | 27.6 | 20.5 | |
| 8.8 | 31.4 | 30.7 | |
| 8.5 | 32.5 | 15.8 | K |
| 8.6 | 36.0 | 33.9 | L |
| 8.5 | 21 4.0 | 5.3 | |
| 9.5 | 9.0 | 52.5 | |
| 9.4 | 11.2 | 45.6 | |
| 9.0 | 18.0 | 23.3 | |
| 9.3 | 18.5 | 21.1 | a |
| 7.9 | 34.3 | 9.2 | B |
| 9.5 | 50.4 | 52.8 | |
| 10pr. | 25.35 | 2.52 | |

4461—4520

| m | 21h | +31° | |
|---|---|---|---|
| 9.2 | 21′ 53.1 | 12.8 | |
| 5.8 | 57.4 | 35.4 | K |
| 9.5 | 22 7.0 | 29.2 | |
| 9.0 | 17.8 | 1.6 | |
| 9.5 | 18.2 | 10.2 | |
| 8.4 | 37.2 | 40.3 | K |
| 9.5 | 39.1 | 24.3 | |
| 9.5 | 47.1 | 58.3 | |
| 8.6 | 47.2 | 54.9 | L |
| 8.9 | 51.1 | 45.2 | K |
| 9.0 | 23 26.5 | 31.9 | K |
| 8.4 | 38.3 | 28.0 | K |
| 9.5 | 45.0 | 53.5 | |
| 8.7 | 48.4 | 35.5 | K |
| 9.1 | 24 3.7 | 58.6 | |
| 9.5 | 9.5 | 52.3 | |
| 9.5 | 17.4 | 39.9 | |
| 9.5 | 19.5 | 46.8 | |
| 9.0 | 25.3 | 57.6 | |
| 9.5 | 34.5 | 48.9 | |
| 7.0 | 35.4 | 20.1 | K |
| 9.5 | 35.9 | 45.0 | |
| 9.3 | 45.0 | 27.9 | |
| 9.5 | 54.5 | 17.6 | |
| 9.4 | 59.4 | 8.8 | |
| 9.5 | 25 12.6 | 8.1 | |
| 9.5 | 26 0.4 | 35.4 | |
| 9.3 | 1.9 | 46.5 | |
| 9.0 | 3.5 | 0.6 | |
| 9.2 | 6.4 | 24.3 | b |
| 9.4 | 26.1 | 43.4 | |
| 9.5 | 56.1 | 47.1 | |
| 9.5 | 56.4 | 7.0 | |
| 8.6 | 27 6.6 | 1.5 | K |
| 9.5 | 7.8 | 36.8 | |
| 8.5 | 34.7 | 47.7 | K |
| 9.3 | 28 21.4 | 15.0 | |
| 9.5 | 31.2 | 25.4 | |
| 7.0 | 47.5 | 8.5 | K |
| 9.5 | 29 41.7 | 39.2 | |
| 9.5 | 59.2 | 44.6 | |
| 9.5 | 30 5.3 | 24.9 | |
| 9.5 | 12.8 | 55.2 | |
| 7.8 | 19.4 | 27.2 | K |
| 7.7 | 22.5 | 47.7 | K |
| 9.0 | 32.4 | 39.1 | |
| 9.3 | 34.1 | 24.4 | |
| 8.8 | 57.0 | 30.0 | |
| 9.3 | 57.7 | 2.4 | |
| 9.0 | 31 22.0 | 9.2 | |
| 9.3 | 28.0 | 53.0 | |
| 9.4 | 35.1 | 4.3 | |
| 9.2 | 39.7 | 28.9 | |
| 9.5 | 54.7 | 28.8 | |
| 9.4 | 32 0.8 | 5.0 | |
| 9.5 | 3.3 | 13.6 | |
| 9.2 | 4.3 | 7.0 | aB |
| 9.1 | 7.0 | 47.2 | b |
| 9.5 | 15.2 | 38.3 | |
| 9.5 | 29.2 | 27.5 | |
| 10pr. | 25.63 | 2.62 | |

4521—4580

| m | 21h | +31° | |
|---|---|---|---|
| 9.3 | 32′ 48.9 | 52.6 | |
| 8.2 | 55.5 | 3.1 | K |
| 8.8 | 33 1.9 | 22.7 | |
| 9.5 | 16.3 | 43.3 | |
| 9.2 | 34 6.9 | 32.3 | aBb |
| 8.9 | 36.7 | 57.9 | K |
| 9.2 | 56.3 | 53.2 | |
| 9.3 | 35 7.7 | 57.9 | |
| 8.8 | 31.9 | 25.4 | K |
| 9.3 | 40.5 | 55.4 | |
| 9.5 | 36 2.3 | 52.3 | |
| 8.3 | 11.5 | 12.7 | K |
| 9.5 | 22.9 | 32.3 | |
| 9.0 | 49.4 | 8.9 | |
| 9.4 | 54.5 | 18.9 | |
| 8.8 | 37 29.1 | 3.3 | K |
| 9.5 | 44.6 | 12.0 | |
| 9.5 | 38 8.5 | 0.1 | B |
| 8.9 | 34.3 | 4.5 | |
| 8.5 | 47.9 | 18.6 | K |
| 9.5 | 55.6 | 44.7 | |
| 9.5 | 39 2.7 | 10.2 | |
| 9.0 | 13.8 | 55.4 | |
| 9.5 | 35.3 | 45.0 | |
| 9.4 | 40 3.7 | 56.1 | |
| 9.4 | 25.2 | 51.5 | |
| 9.4 | 41.6 | 33.0 | aBb |
| 9.4 | 41 8.9 | 10.6 | |
| 9.5 | 17.8 | 5.2 | |
| 9.2 | 42 0.1 | 3.6 | |
| 9.5 | 3.4 | 56.4 | |
| 9.4 | 30.9 | 55.8 | |
| 9.4 | 56.8 | 40.2 | aB |
| 9.5 | 43 1.3 | 3.1 | |
| 9.3 | 30.7 | 19.6 | |
| 7.2 | 45.1 | 9.5 | L |
| 9.0 | 59.3 | 22.7 | |
| 6.7 | 44 13.2 | 58.8 | K |
| 8.4 | 34.5 | 59.1 | K |
| 8.4 | 36.0 | 58.8 | K |
| 9.5 | 45 15.2 | 55.9 | |
| 7.5 | 24.3 | 13.4 | K |
| 9.3 | 31.4 | 58.0 | a |
| 9.5 | 34.5 | 48.5 | B |
| 9.4 | 50.9 | 16.8 | |
| 9.5 | 57.6 | 38.5 | |
| 9.4 | 46 18.8 | 7.0 | |
| 9.1 | 39.6 | 21.3 | ab |
| 9.0 | 51.5 | 23.3 | |
| 9.5 | 47 9.1 | 47.1 | |
| 9.5 | 47.4 | 55.9 | |
| 9.1 | 48 1.6 | 33.3 | |
| 8.8 | 21.5 | 23.3 | B |
| 7.6 | 21.5 | 39.2 | B |
| 7.2 | 26.5 | 59.8 | L |
| 9.5 | 26.7 | 24.3 | |
| 6.8 | 33.1 | 39.3 | B |
| 9.3 | 53.8 | 7.1 | aB |
| 9.4 | 35.3 | 46.8 | |
| 8.3 | 37.3 | 34.4 | L |
| 10pr. | 26.08 | 2.76 | |

4581—4640

| m | 21h—22h | +31° | |
|---|---|---|---|
| 9.5 | 49′ 34.5 | 8.6 | |
| 9.1 | 50 6.9 | 47.8 | b |
| 9.0 | 7.0 | 21.7 | K |
| 9.3 | 21.6 | 33.0 | |
| 9.5 | 32.8 | 27.8 | |
| 7.7 | 33.0 | 9.5 | K |
| 9.5 | 41.3 | 7.5 | |
| 9.4 | 41.5 | 16.1 | |
| 8.2 | 56.1 | 59.6 | K |
| 8.7 | 57.6 | 12.1 | K |
| 9.5 | 51 14.3 | 4.4 | |
| 9.5 | 24.2 | 33.8 | |
| 9.5 | 51.4 | 11.3 | |
| 9.0 | 52 0.1 | 59.0 | |
| 9.1 | 29.5 | 56.8 | |
| 9.5 | 33.1 | 14.1 | |
| 7.5 | 37.0 | 46.5 | K |
| 9.5 | 53 16.2 | 57.8 | |
| 9.3 | 27.9 | 57.8 | |
| 9.0 | 29.0 | 43.6 | |
| 9.0 | 39.1 | 51.5 | |
| 9.4 | 54 18.8 | 26.5 | |
| 9.3 | 18.8 | 28.3 | aB |
| 9.2 | 32.9 | 57.2 | |
| 9.5 | 40.3 | 40.3 | |
| 9.5 | 51.4 | 20.3 | |
| 9.5 | 53.0 | 31.2 | |
| 9.5 | 55.8 | 5.0 | |
| 9.1 | 55 45.9 | 13.8 | |
| 9.1 | 50.7 | 26.1 | aBb |
| 9.5 | 56 7.5 | 29.3 | |
| 9.5 | 26.5 | 27.8 | |
| 8.8 | 42.5 | 9.9 | B |
| 9.5 | 57.7 | 36.1 | |
| 9.5 | 57 42.3 | 55.1 | |
| 9.5 | 58.3 | 44.7 | |
| 8.6 | 58 15.2 | 20.7 | K |
| 9.5 | 24.4 | 5.8 | |
| 9.5 | 40.3 | 4.0 | |
| 9.2 | 40.7 | 59.9 | |
| 9.2 | 49.5 | 56.7 | |
| 9.3 | 50.3 | 12.7 | |
| 9.2 | 51.5 | 54.7 | |
| 9.1 | 59 3.4 | 4.8 | K |
| 9.1 | 11.5 | 19.9 | aB |
| 9.2 | 14.9 | 40.8 | aB |
| 8.9 | 15.1 | 14.1 | |
| 9.2 | 20.7 | 28.3 | |
| 9.5 | 48.3 | 54.9 | |
| 9.5 | 0 9.4 | 53.0 | |
| 9.4 | 17.6 | 49.5 | |
| 9.2 | 18.2 | 57.3 | b |
| 9.3 | 18.8 | 4.3 | |
| 9.0 | 23.9 | 37.5 | K |
| 9.1 | 1 1.8 | 39.5 | |
| 8.8 | 24.2 | 18.9 | K |
| 9.3 | 38.0 | 52.3 | |
| 9.5 | 46.3 | 7.1 | |
| 9.2 | 50.0 | 19.5 | |
| 9.5 | 2 33.5 | 52.8 | |
| 10pr. | 26.50 | 2.86 | |

4641—4700

| m | 22h | +31° | |
|---|---|---|---|
| 9.5 | 2′ 48.3 | 22.0 | |
| 8.1 | 57.0 | 28.7 | K |
| 9.4 | 3 7.4 | 13.8 | |
| 7.8 | 39.9 | 38.3 | K |
| 7.1 | 49.5 | 35.1 | K |
| 9.0 | 4 2.3 | 53.5 | |
| 7.7 | 58.5 | 22.4 | B |
| 9.3 | 5 3.8 | 53.9 | |
| 9.0 | 8.3 | 5.8 | K |
| 8.8 | 19.8 | 50.4 | |
| 9.1 | 27.9 | 55.5 | |
| 9.5 | 41.0 | 19.1 | |
| 9.3 | 6 45.4 | 25.1 | |
| 9.0 | 7 2.9 | 22.3 | |
| 9.2 | 14.7 | 26.8 | |
| 9.0 | 16.2 | 31.0 | |
| 9.0 | 18.3 | 48.8 | |
| 9.2 | 22.1 | 28.8 | |
| 8.9 | 24.9 | 45.7 | |
| 9.3 | 25.8 | 38.8 | |
| 9.2 | 26.9 | 32.3 | aB |
| 8.5 | 28.0 | 12.7 | K |
| 9.5 | 31.7 | 28.3 | |
| 9.3 | 47.4 | 43.4 | a |
| 9.5 | 55.9 | 16.8 | |
| 9.2 | 8 15.3 | 18.9 | |
| 9.5 | 9 55.7 | 26.1 | |
| 7.3 | 10 1.4 | 53.9 | Kb |
| 9.5 | 15.6 | 29.0 | |
| 9.5 | 19.4 | 35.4 | |
| 9.0 | 36.2 | 22.4 | |
| 8.5 | 52.9 | 33.7 | K |
| 9.2 | 11 27.6 | 55.2 | |
| 9.5 | 33.2 | 10.1 | |
| 9.3 | 36.9 | 18.9 | |
| 9.2 | 57.5 | 0.2 | |
| 9.3 | 12 2.6 | 17.4 | aBb |
| 9.5 | 10.4 | 54.6 | |
| 9.5 | 58.5 | 54.6 | |
| 9.0 | 13 46.1 | 30.5 | Kb |
| 9.5 | 14 4.4 | 36.0 | |
| 8.5 | 22.0 | 45.7 | K |
| 9.3 | 49.2 | 48.4 | aB |
| 9.4 | 51.3 | 58.0 | |
| 9.5 | 15 22.4 | 15.6 | |
| 9.5 | 32.7 | 4.6 | |
| 8.8 | 17 7.8 | 50.9 | |
| 9.5 | 36.9 | 53.4 | |
| 8.0 | 18 4.4 | 44.0 | K |
| 8.8 | 14.9 | 44.4 | K |
| 8.6 | 40.5 | 49.6 | K |
| 9.4 | 43.5 | 26.3 | |
| 9.5 | 58.0 | 30.8 | |
| 9.4 | 19 10.8 | 36.8 | aB |
| 9.5 | 18.6 | 32.3 | |
| 9.1 | 21.6 | 42.3 | K |
| 9.5 | 56.9 | 4.4 | |
| *9.5 | 20 6.5 | 9.2 | |
| 9.5 | 36.4 | 29.1 | |
| 9.0 | 38.0 | 16.2 | |
| 10pr. | 26.95 | 2.96 | |

4698 a

| | | | | |
|---|---|---|---|---|
| 9.5 | 20 | 28.0 | 17.9 | a |

| 4701—4760 | | | | | 4761—4820 | | | | | 4821—4880 | | | | | 4881—4940 | | | | | 4941—5000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ʰ | | +31° | | | 22ʰ | | +31° | | | 22ʰ—23ʰ | | +31° | | | 23ʰ | | +31° | | | 23ʰ | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 6.2 | 21 | 9.1 | 5.7 | K | 9.5 | 34 | 42.0 | 5.3 | | 8.6 | 52 | 45.8 | 28.3 | B | 9.5 | 10 | 58.6 | 46.8 | | 8.8 | 30 | 29.9 | 39.6 | |
| 9.5 | | 21.9 | 11.4 | | 9.4 | | 59.4 | 55.4 | | 9.5 | 53 | 8.8 | 5.0 | | 9.1 | 11 | 1.1 | 6.7 | b | 8.8 | | 58.9 | 48.9 | B |
| 9.3 | | 44.5 | 0.8 | | 9.1 | 35 | 15.0 | 44.7 | b | 9.3 | | 39.4 | 21.7 | | 9.5 | | 1.8 | 36.2 | | 9.1 | 31 | 53.0 | 15.7 | |
| 9.1 | 22 | 33.4 | 44.0 | b | 9.3 | | 16.2 | 7.2 | | 9.1 | | 59.1 | 36.1 | | 9.5 | | 32.7 | 54.2 | | 9.5 | | 54.4 | 35.7 | B |
| 8.2 | | 42.5 | 6.9 | B | 8.3 | | 36.2 | 9.5 | | 9.3 | 54 | 26.0 | 4.6 | | 9.5 | | 33.0 | 47.1 | | 9.0 | 32 | 11.9 | 45.4 | K |
| 9.5 | 23 | 6.4 | 2.4 | | 9.4 | | 38.9 | 41.9 | | 7.4 | | 40.7 | 50.0 | Lb | 9.5 | 12 | 13.1 | 22.1 | | 8.8 | | 24.2 | 39.7 | K |
| 8.5 | | 15.3 | 26.4 | | 9.5 | | 53.3 | 46.6 | | 7.8 | 55 | 2.0 | 55.3 | K | 9.5 | | 16.2 | 19.7 | | 9.3 | | 24.8 | 46.9 | |
| 6.0 | | 22.9 | 49.9 | Lb | 9.5 | 36 | 4.2 | 18.9 | | 9.2 | | 22.5 | 2.6 | B | 9.5 | | 28.3 | 20.4 | | 9.0 | | 31.3 | 32.2 | B |
| 9.3 | | 27.1 | 4.8 | | 9.4 | | 23.2 | 3.7 | aB | 6.3 | | 39.7 | 0.0 | K | 9.0 | 13 | 5.4 | 55.5 | | 9.4 | | 33.4 | 50.6 | |
| 9.2 | | 35.7 | 58.9 | | 9.4 | | 48.3 | 21.4 | | 9.3 | 56 | 23.2 | 46.2 | | 9.5 | | 6.6 | 14.2 | | 9.3 | 33 | 22.2 | 37.5 | |
| 8.8 | | 37.8 | 15.2 | K | 8.3 | | 55.8 | 29.3 | | 9.5 | | 41.0 | 59.2 | | 9.4 | | 10.8 | 20.6 | B | 8.8 | | 31.7 | 49.1 | B |
| 9.0 | | 45.9 | 54.6 | | 9.5 | 37 | 5.1 | 48.0 | | 9.2 | 57 | 3.1 | 24.7 | B | 9.1 | | 24.1 | 42.6 | b | 7.0 | 34 | 4.2 | 45.1 | K |
| 9.3 | 24 | 9.4 | 30.2 | | 9.5 | | 19.9 | 8.2 | | 8.9 | | 4.8 | 14.1 | B | 8.8 | | 56.6 | 59.5 | | 9.3 | | 15.4 | 59.3 | |
| 9.4 | | 42.1 | 36.0 | | 9.5 | 38 | 15.6 | 14.0 | b | 8.5 | | 6.0 | 43.6 | | 9.5 | 14 | 2.2 | 20.1 | | 9.3 | | 18.9 | 21.3 | |
| 8.7 | | 45.2 | 11.6 | | 9.5 | | 23.9 | 56.9 | | 9.5 | | 6.5 | 4.2 | | 9.4 | | 18.0 | 0.6 | | 8.8 | | 59.7 | 39.6 | |
| 8.2 | | 47.5 | 6.5 | K | 9.3 | 39 | 17.7 | 5.4 | | 8.0 | | 8.0 | 21.0 | K | 9.5 | | 19.1 | 48.2 | | 9.5 | 35 | 10.2 | 34.8 | |
| 9.3 | 25 | 13.5 | 24.5 | | 9.5 | | 29.3 | 37.6 | | 9.5 | | 17.8 | 47.8 | | 5.8 | | 52.2 | 1.2 | Kb | 9.4 | | 38.5 | 55.3 | |
| 9.0 | | 13.8 | 38.7 | | 9.5 | | 30.9 | 3.4 | B | 9.4 | | 56.3 | 40.6 | | 9.5 | | 57.3 | 41.6 | | 9.5 | | 43.6 | 18.5 | |
| 8.5 | | 15.7 | 52.0 | K | 9.1 | 40 | 22.3 | 18.6 | | 9.1 | 58 | 29.9 | 56.5 | b | 9.5 | 15 | 4.5 | 13.9 | | 9.4 | | 47.7 | 41.2 | |
| 9.5 | | 19.0 | 27.5 | | 9.5 | | 41.8 | 41.0 | | 9.3 | 59 | 11.5 | 41.7 | B | 9.5 | | 57.9 | 31.2 | | 8.8 | 36 | 2.8 | 33.8 | K |
| 9.2 | 26 | 19.4 | 55.6 | | 8.8 | | 47.1 | 12.0 | | 9.5 | | 12.4 | 57.3 | | 6.7 | 16 | 42.0 | 43.0 | Kb | 9.3 | | 31.9 | 57.9 | |
| 9.5 | | 29.0 | 36.7 | | 9.5 | | 48.3 | 20.6 | | 9.5 | | 59.7 | 5.8 | | 9.5 | 17 | 41.9 | 28.5 | | 9.3 | | 33.8 | 46.8 | |
| 8.8 | | 37.2 | 13.5 | | 9.5 | 41 | 35.8 | 17.2 | | 8.8 | 0 | 6.5 | 12.8 | | 8.8 | | 43.8 | 19.7 | | 9.4 | | 55.3 | 20.2 | |
| 9.5 | | 44.4 | 55.5 | | 8.8 | | 56.5 | 31.0 | | 9.2 | | 15.0 | 43.4 | | 6.0 | | 45.9 | 35.0 | Kb | 9.5 | | 58.0 | 44.0 | |
| 9.2 | 27 | 44.1 | 49.3 | aBb | 8.8 | | 58.8 | 52.9 | | 9.5 | | 24.7 | 2.5 | | 8.9 | 18 | 13.4 | 39.0 | K | 8.5 | 38 | 5.9 | 23.0 | K |
| 9.4 | | 58.4 | 50.5 | a | *8.8 | | 58.9 | 55.6 | | 9.0 | | 33.6 | 17.0 | B | 9.0 | | 45.4 | 12.4 | K | 9.5 | | 15.5 | 6.0 | |
| 9.4 | 28 | 1.8 | 47.5 | aB | 9.3 | 42 | 30.7 | 51.9 | | 9.0 | | 39.8 | 55.3 | | 9.5 | 19 | 51.5 | 53.4 | | 9.0 | | 39.4 | 20.3 | |
| 9.0 | | 2.3 | 30.3 | B | 7.8 | | 34.3 | 46.0 | K | 9.0 | | 49.7 | 24.6 | | 7.9 | | 54.6 | 43.3 | K | 9.0 | 39 | 51.3 | 2.1 | |
| 9.5 | | 13.1 | 48.5 | | 9.5 | | 43.1 | 33.3 | | 9.2 | | 55.5 | 36.3 | | 9.5 | 20 | 4.9 | 0.2 | | 9.1 | | 52.6 | 4.1 | |
| 9.5 | | 24.2 | 53.3 | | 9.5 | | 43.3 | 23.5 | | 9.4 | 1 | 11.0 | 42.4 | | 9.3 | | 12.1 | 55.6 | | 9.5 | 40 | 19.2 | 47.9 | |
| 8.8 | | 24.4 | 13.2 | | 9.5 | | 44.5 | 39.8 | | 9.4 | | 18.9 | 35.0 | | 9.3 | | 16.2 | 43.0 | | 9.0 | | 46.8 | 48.5 | K |
| 8.8 | | 59.9 | 30.8 | | 9.5 | 43 | 16.9 | 43.1 | | 9.5 | 2 | 11.0 | 18.7 | | 9.0 | | 16.5 | 45.1 | | 8.3 | 41 | 39.3 | 13.4 | L |
| 8.3 | 29 | 27.6 | 48.5 | Kb | 8.0 | | 49.6 | 41.6 | L | 9.1 | | 14.1 | 12.1 | | 8.9 | 21 | 2.2 | 2.8 | | 8.5 | 42 | 17.4 | 45.5 | K |
| 9.5 | 30 | 12.9 | 0.6 | | 9.3 | 44 | 2.1 | 13.7 | | 9.2 | | 15.2 | 43.3 | aB | 9.3 | | 6.6 | 55.6 | B | 9.0 | | 35.5 | 12.0 | Lb |
| 9.5 | | 25.7 | 49.2 | | 9.5 | | 38.3 | 46.7 | | 8.5 | | 15.9 | 3.6 | B | 8.5 | | 9.8 | 28.5 | B | 9.3 | | 36.1 | 22.4 | a |
| 9.5 | | 37.5 | 2.0 | | 9.5 | | 40.1 | 6.6 | B | 9.3 | | 40.5 | 31.3 | | 9.3 | | 14.8 | 55.5 | B | 9.5 | | 37.7 | 37.8 | aB |
| 9.1 | | 42.4 | 16.2 | b | 9.1 | | 43.2 | 55.7 | | 8.3 | | 49.5 | 43.8 | K | 9.5 | | 31.9 | 21.3 | | 9.1 | | 56.4 | 20.6 | K |
| 9.4 | | 47.4 | 43.7 | | 9.5 | 45 | 18.4 | 43.8 | | 9.4 | 3 | 1.8 | 1.9 | | 7.8 | | 41.9 | 0.2 | L | 9.3 | 43 | 13.5 | 26.1 | |
| 9.5 | | 55.0 | 6.0 | | 9.5 | | 24.3 | 55.7 | | 7.2 | | 19.4 | 42.1 | B | 8.0 | 22 | 6.8 | 51.5 | Lb | 9.1 | | 15.2 | 46.1 | |
| 9.5 | | 57.1 | 13.2 | | 9.5 | | 56.8 | 35.2 | | 9.2 | | 23.3 | 42.3 | B | 9.5 | | 27.4 | 36.9 | | 9.5 | | 56.7 | 46.9 | |
| 9.5 | 31 | 13.3 | 34.1 | | 9.4 | | 58.6 | 18.6 | B | 9.5 | | 34.7 | 41.0 | | 8.9 | | 31.9 | 24.1 | | 9.5 | 44 | 21.5 | 39.6 | |
| 7.8 | | 22.4 | 29.6 | K | 9.0 | 46 | 1.5 | 24.4 | K | 9.5 | | 39.8 | 7.8 | | 9.5 | | 52.0 | 58.3 | | 8.8 | | 55.2 | 30.6 | |
| 9.5 | | 28.6 | 49.3 | | 8.5 | | 2.5 | 45.8 | | 8.3 | 4 | 27.2 | 56.2 | K | 9.5 | 24 | 46.5 | 13.8 | | 9.0 | 45 | 3.8 | 53.0 | |
| 9.2 | | 39.0 | 5.8 | | 9.5 | | 43.1 | 17.2 | | 9.0 | | 39.3 | 18.1 | B | 9.5 | | 49.9 | 32.0 | | 9.4 | | 5.9 | 31.0 | |
| 9.5 | | 50.9 | 32.2 | | 9.5 | | 44.4 | 36.2 | | 9.4 | | 45.8 | 28.0 | B | 9.5 | 25 | 8.1 | 52.1 | | 8.9 | | 13.6 | 56.9 | |
| 9.3 | | 56.9 | 27.7 | | 9.5 | 47 | 29.7 | 29.6 | | 9.4 | | 57.3 | 58.7 | | 9.0 | | 18.3 | 13.8 | | 9.5 | | 21.3 | 21.7 | |
| 9.5 | 32 | 8.9 | 44.7 | | 9.0 | | 33.3 | 34.1 | | 7.5 | | 57.3 | 53.6 | K | 9.1 | | 26.9 | 52.1 | b | 8.0 | | 38.9 | 14.6 | K |
| 9.5 | | 15.4 | 33.2 | | 9.5 | 48 | 0.4 | 48.3 | | 9.5 | | 57.9 | 28.7 | | 9.4 | | 49.6 | 26.6 | | 8.0 | | 50.3 | 36.2 | L |
| 9.5 | | 18.9 | 50.6 | | 9.1 | | 15.6 | 56.5 | | 8.8 | 5 | 1.5 | 38.4 | | 9.5 | 26 | 13.2 | 26.5 | | 7.3 | | 51.0 | 6.0 | K |
| 9.5 | | 19.4 | 57.2 | | 9.4 | | 19.3 | 13.7 | B | 9.1 | | 14.0 | 23.6 | | 9.4 | | 38.2 | 32.9 | aB | 9.5 | 46 | 25.5 | 38.6 | |
| 8.7 | | 44.7 | 59.5 | | 9.0 | | 40.8 | 37.3 | | 9.4 | | 40.5 | 28.5 | | 9.4 | 27 | 3.0 | 37.0 | | 9.0 | | 31.3 | 48.5 | |
| 8.7 | | 59.8 | 54.6 | | 8.4 | 49 | 4.4 | 23.4 | K | 9.2 | 7 | 18.3 | 9.5 | | 7.7 | | 48.8 | 1.7 | K | 9.3 | | 43.3 | 30.6 | |
| 9.1 | 33 | 11.9 | 45.6 | | 9.1 | | 22.8 | 10.3 | | 7.5 | | 18.8 | 43.3 | K | 9.5 | | 51.5 | 47.5 | | 8.8 | | 52.5 | 34.3 | B |
| 9.4 | | 13.5 | 4.3 | B | 9.5 | | 29.3 | 33.0 | | 9.3 | | 30.5 | 41.2 | | 9.5 | 28 | 17.9 | 18.8 | | 9.0 | | 56.9 | 2.3 | |
| 9.3 | | 13.6 | 29.9 | aB | 9.0 | | 34.8 | 39.3 | K | 9.1 | | 49.7 | 31.2 | b | 6.8 | | 20.5 | 24.0 | K | 8.2 | | 58.9 | 5.1 | L |
| 9.0 | | 17.7 | 58.3 | | 7.8 | 50 | 25.5 | 26.4 | K | 9.5 | 9 | 0.5 | 20.8 | | 9.5 | | 22.0 | 46.5 | | 9.5 | 47 | 33.5 | 21.7 | |
| 7.9 | | 34.5 | 2.0 | K | 8.8 | | 26.2 | 49.6 | | 9.5 | | 34.6 | 50.5 | | 8.5 | | 33.8 | 21.0 | K | 9.4 | | 37.7 | 48.2 | |
| 8.5 | 34 | 3.5 | 2.2 | K | 8.4 | | 28.7 | 11.9 | K | 9.5 | 10 | 8.9 | 54.6 | | 8.9 | | 58.1 | 54.2 | | 9.4 | | 39.1 | 41.3 | |
| 9.3 | | 31.4 | 36.0 | | 9.5 | 51 | 4.6 | 35.2 | | 9.3 | | 39.7 | 5.6 | | 9.0 | | 58.8 | 37.2 | Kb | 9.5 | 48 | 21.9 | 9.9 | |
| 8.3 | | 38.6 | 27.3 | | 9.5 | | 6.6 | 28.9 | | 9.3 | | 46.0 | 21.1 | | 9.5 | 29 | 59.2 | 20.3 | | 9.0 | | 56.7 | 9.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 27.54 | 3.08 | | 10pr. | | 28.01 | 3.15 | | 10pr. | | 28.64 | 3.23 | | 10pr. | | 29.31 | 3.29 | | 10pr. | | 30.03 | 3.33 | |

4786 a

| 9.5 | 42 | 21.5 | 29.3 | a |
|---|---|---|---|---|

| 5001—5008 | | | | | 5009—5016 | | | | | 5017—5024 | | | | | 5025—5032 | | | | | 5033—5039 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23h | | +31° | | | 23h | | +31° | | | 23h | | +31° | | | 23h | | +31° | | | 23h | | +31° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 49 | 34.6 | 2.6 | | 9.5 | 50 | 59.4 | 19.0 | | 9.4 | 53 | 44.2 | 15.1 | | 9.1 | 56 | 7.5 | 39.0 | K | 9.3 | 57 | 56.1 | 1.2 | |
| 9.5 | | 34.8 | 18.5 | | 8.7 | 51 | 4.6 | 1.9 | K | 9.0 | 54 | 4.6 | 7.4 | K | 8.5 | | 29.6 | 11.3 | K | 9.0 | 58 | 10.9 | 27.9 | K |
| 8.5 | | 37.1 | 31.0 | K | 8.2 | | 20.5 | 7.5 | K | 9.5 | | 16.9 | 3.3 | | 8.9 | | 40.6 | 29.2 | | 9.3 | | 16.8 | 58.3 | K |
| 9.5 | 50 | 6.7 | 44.4 | | 6.2 | | 26.9 | 33.3 | K | 9.5 | | 21.8 | 48.9 | | 9.5 | | 43.1 | 43.3 | | 9.5 | | 47.6 | 2.3 | |
| 9.3 | | 8.5 | 27.8 | | 9.5 | | 34.2 | 34.1 | | 9.5 | | 24.5 | 17.8 | | 9.5 | | 46.7 | 10.4 | αB | 9.1 | 59 | 7.2 | 29.6 | b |
| 9.5 | | 17.6 | 3.8 | | 9.0 | 52 | 25.9 | 43.0 | | 9.1 | 55 | 11.1 | 6.9 | K | 9.5 | 57 | 17.2 | 48.5 | | 9.5 | | 16.9 | 10.1 | |
| 8.2 | | 41.0 | 12.7 | K | 9.3 | | 31.0 | 50.3 | | 9.5 | | 33.7 | 52.3 | | 9.5 | | 51.0 | 41.9 | αB | 8.9 | | 52.2 | 45.5 | |
| 8.8 | | 46.5 | 27.6 | K | 9.3 | 53 | 5.8 | 48.6 | | 8.2 | | 39.6 | 3.9 | Kb | 9.5 | | 54.7 | 46.9 | | | | | | |
| | | | | | | | | | | | | + | + | | | | | | | | | | | |
| | | | | | | | | | | 10pr. | | 30.52 | 3.34 | | | | | | | | | | | |

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# Zone +32°

| 1—20 | | | | | 21—40 | | | | | 41—60 | | | | | 61—80 | | | | | 81—100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +32° | | | 0h | | +32° | | | 0h | | +32° | | | 0h | | +32° | | | 0h | | +32° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.5 | 0 | 26.9 | 35.9 | K | 6.5 | 6 | 32.3 | 24.4 | K | 9.5 | 11 | 54.4 | 19.3 | | 9.3 | 17 | 19.8 | 44.3 | | 9.0 | 23 | 48.1 | 46.9 | K |
| 9.5 | | 39.4 | 17.9 | | 9.3 | | 33.6 | 48.8 | | 9.0 | 12 | 8.9 | 33.9 | K | 9.5 | 18 | 12.5 | 44.3 | | 9.4 | | 59.7 | 9.6 | |
| 9.0 | | 55.8 | 41.5 | K | 9.1 | | 50.1 | 57.3 | | 9.5 | | 47.5 | 0.5 | | 9.3 | | 27.8 | 25.5 | | 9.1 | 24 | 34.0 | 5.4 | |
| 8.7 | 1 | 1.2 | 44.8 | K | 9.2 | 7 | 11.9 | 6.0 | | 9.4 | 13 | 10.3 | 14.9 | | 8.9 | | 58.4 | 26.5 | K | 9.5 | | 40.5 | 53.8 | |
| 9.5 | | 20.7 | 12.4 | | 9.1 | | 32.5 | 45.8 | b | 6.0 | | 11.0 | 6.3 | L | 9.5 | 19 | 2.7 | 35.9 | | 8.5 | | 40.8 | 40.7 | L |
| 8.9 | | 21.4 | 48.9 | K | 7.3 | | 35.4 | 13.3 | K | 9.5 | | 14.3 | 27.7 | | 9.2 | | 40.5 | 7.5 | | 9.0 | | 43.2 | 13.7 | Kb |
| 9.5 | 2 | 11.1 | 50.4 | | 9.4 | | 38.3 | 36.0 | αB | 9.5 | | 16.7 | 4.6 | | 8.8 | 20 | 6.5 | 52.9 | K | 9.5 | 25 | 6.6 | 18.2 | |
| 9.5 | | 14.9 | 29.3 | | 9.5 | | 57.0 | 45.9 | | 7.0 | | 19.3 | 10.4 | K | 9.5 | | 56.1 | 23.7 | | 9.0 | | 8.8 | 32.0 | K |
| 8.3 | | 35.4 | 43.8 | K | 8.5 | 8 | 19.8 | 32.1 | K | 9.2 | | 37.8 | 10.9 | K | 7.5 | | 58.0 | 49.7 | Kb | 9.4 | | 23.0 | 36.9 | |
| 9.5 | | 50.5 | 24.5 | | 9.3 | | 40.1 | 43.3 | | 8.0 | | 46.8 | 52.5 | B | 9.5 | 21 | 52.3 | 26.5 | | 8.4 | | 29.6 | 38.0 | K |
| 7.3 | 3 | 3.7 | 19.5 | K | 9.4 | 9 | 0.4 | 27.2 | | 9.5 | | 57.9 | 48.6 | | 7.5 | | 59.5 | 12.3 | K | 9.0 | | 45.6 | 17.6 | B |
| 9.3 | | 42.4 | 43.0 | | 9.5 | | 9.3 | 48.7 | | 9.0 | 14 | 9.0 | 20.0 | | 9.4 | 22 | 15.1 | 58.5 | | 7.9 | 26 | 7.0 | 4.2 | B |
| 8.2 | 4 | 5.8 | 52.7 | K | 9.5 | | 36.7 | 46.2 | B | 8.9 | | 43.5 | 15.9 | Kb | 8.6 | | 49.0 | 15.5 | K | 9.5 | | 13.5 | 8.6 | |
| 9.5 | | 35.0 | 39.7 | | 9.4 | | 40.5 | 28.5 | αB | 9.5 | | 45.2 | 32.3 | | 8.5 | | 53.5 | 39.0 | K | 9.5 | | 20.6 | 11.0 | |
| 9.5 | 5 | 4.4 | 36.5 | | 9.3 | | 52.0 | 14.9 | | 9.5 | | 54.8 | 4.6 | | 9.4 | 23 | 5.5 | 12.4 | | 9.5 | | 25.8 | 21.4 | |
| 9.4 | | 6.6 | 3.0 | | 8.6 | | 53.0 | 19.7 | K | 9.1 | 15 | 33.3 | 56.8 | b | 9.5 | | 21.1 | 1.2 | | 8.4 | | 48.0 | 28.3 | K |
| 9.5 | | 19.9 | 32.4 | | 9.3 | 10 | 5.6 | 9.6 | | 9.4 | | 42.5 | 1.7 | | 9.5 | | 26.4 | 9.5 | | 9.5 | 27 | 29.1 | 10.6 | |
| 9.3 | | 51.8 | 56.9 | | 9.3 | | 29.3 | 24.5 | | 9.2 | | 53.1 | 12.3 | K | 9.1 | | 33.6 | 37.0 | | 8.5 | 28 | 39.4 | 50.8 | K |
| 9.5 | 6 | 4.5 | 2.1 | | 9.5 | | 56.4 | 46.7 | | 8.9 | 16 | 49.0 | 13.5 | | 9.0 | | 41.2 | 1.6 | B | 8.7 | | 41.0 | 41.7 | K |
| 8.8 | | 30.9 | 32.2 | L | 9.5 | 11 | 10.5 | 29.0 | | 9.5 | | 58.6 | 32.3 | α | 6.0 | | 45.0 | 48.0 | K | 9.2 | 29 | 3.1 | 10.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 30.83 | 3.34 | | 10pr. | | 31.05 | 3.34 | | 10pr. | | 31.23 | 3.34 | | 10pr. | | 31.53 | 3.33 | | 10pr. | | 31.67 | 3.32 | |

| 101—160 | | | | | 161—220 | | | | | 221—280 | | | | | 281—340 | | | | | 341—400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0m | | +32° | | | 0m—1m | | +32° | | | 1m | | +32° | | | 1m | | +32° | | | 1m—2m | | +32° | |
| m | | ′ ″ | ′ | | m | ′ ″ | | ′ | | m | ′ ″ | | ′ | | m | ′ ″ | | ′ | | m | ′ ″ | | ′ | |
| 4.1 | 29 | 8.2 | 56.3 | K | 9.2 | 46 | 55.1 | 8.0 | | 9.4 | 8 | 6.1 | 55.9 | | 8.2 | 28 | 37.0 | 55.0 | | 9.4 | 47 | 9.3 | 3.2 | |
| 8.9 | | 8.7 | 54.3 | K | 9.5 | 47 | 13.6 | 16.7 | | 9.0 | | 10.1 | 45.9 | K | 9.0 | | 43.8 | 40.0 | K | 8.9 | | 19.5 | 51.6 | K |
| 9.5 | | 13.0 | 0.9 | | 8.6 | | 22.7 | 33.9 | K | 6.5 | | 13.9 | 22.1 | K | 9.1 | | 53.1 | 42.0 | K | 9.4 | | 31.1 | 6.0 | |
| 9.5 | 30 | 0.6 | 40.7 | | 9.5 | | 22.8 | 55.0 | | 9.5 | | 25.4 | 37.5 | | 9.5 | 29 | 20.9 | 7.7 | | 8.6 | | 39.0 | 52.6 | K |
| 9.3 | | 39.0 | 36.1 | | 9.5 | | 39.1 | 0.2 | | 9.1 | 9 | 14.8 | 27.5 | | 9.5 | | 24.4 | 50.5 | | 8.9 | | 59.5 | 12.2 | |
| 9.5 | | 59.7 | 38.0 | | 9.0 | 48 | 41.3 | 19.6 | *B* | 9.1 | | 32.4 | 6.4 | *b* | 9.5 | 30 | 36.9 | 8.5 | | 9.5 | 48 | 11.4 | 2.2 | |
| 8.5 | 31 | 19.1 | 23.5 | | 9.5 | 49 | 13.9 | 53.7 | | 9.5 | | 33.8 | 11.6 | | 9.3 | | 58.3 | 57.0 | | 9.2 | | 24.0 | 57.7 | |
| 9.5 | 32 | 11.0 | 36.5 | | 9.5 | | 16.8 | 38.0 | | 9.5 | 10 | 6.2 | 9.5 | | 9.2 | | 58.4 | 22.0 | K | 9.4 | | 36.2 | 16.8 | *B* |
| 9.1 | | 22.4 | 8.3 | K | 8.9 | 50 | 20.7 | 59.6 | K | 8.0 | | 33.3 | 59.5 | B | 9.0 | 31 | 8.3 | 24.2 | K | 9.1 | | 54.7 | 1.6 | K |
| 9.3 | | 22.8 | 14.5 | | 9.5 | | 23.3 | 55.8 | | 7.8 | | 48.8 | 45.4 | K | 9.5 | | 26.8 | 19.5 | | 9.5 | | 58.6 | 52.9 | |
| 9.3 | | 32.1 | 2.5 | *aB* | 8.0 | 51 | 35.0 | 5.6 | B | 9.5 | 11 | 1.3 | 7.4 | | 9.0 | | 53.2 | 40.3 | | 9.0 | 49 | 1.8 | 8.7 | |
| 9.5 | 33 | 26.6 | 49.0 | | 9.5 | 52 | 0.3 | 38.5 | | 9.5 | | 11.4 | 8.0 | | 9.5 | 32 | 16.7 | 2.2 | | 8.5 | | 5.4 | 43.0 | L |
| 9.5 | | 49.2 | 58.0 | | 7.9 | | 21.8 | 2.2 | L | 9.5 | | 20.7 | 30.5 | | 9.0 | | 32.1 | 19.9 | | 9.5 | | 14.1 | 32.2 | |
| 8.4 | 34 | 5.5 | 30.0 | | 9.2 | | 22.6 | 6.6 | | 9.6 | | 56.6 | 30.9 | | 9.4 | | 33.6 | 6.5 | | 8.2 | | 30.7 | 28.0 | K |
| 8.9 | | 34.0 | 33.5 | K | 9.1 | 53 | 38.8 | 31.7 | *b* | 9.4 | 12 | 13.3 | 15.0 | B | 9.4 | | 43.2 | 49.3 | *aB* | 9.5 | | 41.2 | 23.0 | |
| 9.0 | | 46.1 | 23.8 | | 9.2 | 54 | 13.0 | 48.2 | | 9.3 | | 44.8 | 38.5 | *B* | 9.5 | 33 | 14.4 | 33.3 | | 8.8 | | 43.4 | 14.7 | |
| 9.5 | | 54.8 | 57.5 | B | 8.0 | | 59.3 | 32.3 | K | 9.1 | 13 | 31.7 | 11.0 | | 9.5 | | 16.2 | 2.8 | | 8.1 | 50 | 9.4 | 51.8 | K |
| 9.3 | 35 | 30.6 | 6.3 | | 9.5 | 55 | 8.8 | 5.5 | | 9.2 | | 42.8 | 29.0 | | 8.1 | | 49.5 | 3.1 | L | 8.7 | | 17.8 | 8.8 | K |
| 9.5 | | 43.5 | 6.8 | | 9.5 | | 40.4 | 7.1 | | 8.7 | | 58.4 | 29.0 | K | 7.6 | 34 | 7.0 | 13.7 | B | 9.3 | | 32.3 | 14.7 | |
| 9.5 | | 48.1 | 58.4 | | 9.4 | | 43.0 | 53.3 | | 9.3 | 14 | 0.9 | 44.8 | | 9.5 | | 15.2 | 13.3 | | 7.0 | | 38.8 | 30.6 | K |
| 9.1 | 36 | 2.1 | 45.4 | | 9.5 | | 52.8 | 39.2 | | 9.5 | | 24.2 | 36.7 | | 9.1 | | 24.0 | 8.2 | | 9.4 | | 49.2 | 28.2 | |
| 6.8 | | 3.6 | 31.0 | K | 9.5 | 56 | 13.0 | 20.9 | | 9.2 | | 31.4 | 57.5 | | 9.5 | | 28.8 | 27.1 | | 9.1 | 51 | 5.4 | 14.3 | |
| 9.0 | | 11.5 | 32.4 | K | 9.4 | | 21.4 | 27.8 | | 9.5 | | 33.6 | 28.1 | | 9.5 | | 29.1 | 37.9 | | 8.5 | 53 | 3.7 | 36.4 | *Lb* |
| 7.5 | | 35.4 | 50.0 | S | 7.7 | | 42.9 | 25.4 | K | 9.5 | 15 | 2.2 | 55.4 | | 8.4 | | 31.4 | 55.4 | | 9.1 | | 23.6 | 27.9 | |
| 9.0 | | 36.0 | 44.8 | S | 9.5 | | 44.3 | 55.8 | | 7.7 | | 6.3 | 31.8 | *Kb* | 9.4 | 35 | 5.4 | 24.5 | *aB* | 8.0 | | 46.8 | 42.4 | L |
| 8.8 | | 39.9 | 28.9 | K | 9.1 | | 58.0 | 39.5 | | 9.3 | 16 | 12.1 | 59.7 | | 9.4 | | 10.4 | 18.3 | | 8.8 | | 51.3 | 2.4 | B |
| 9.5 | | 58.5 | 32.0 | | 9.2 | | 59.8 | 43.2 | K | 9.1 | | 31.4 | 14.9 | *b* | 8.4 | | 40.6 | 1.0 | *Kb* | 8.9 | | 52.9 | 10.0 | K |
| 9.0 | | 59.8 | 28.2 | K | 9.4 | 57 | 6.6 | 2.5 | | 9.5 | 17 | 5.8 | 30.4 | | 9.4 | | 42.3 | 7.2 | | 9.5 | 54 | 29.1 | 53.4 | |
| 8.5 | 37 | 11.4 | 53.1 | *Lb* | 9.5 | | 38.8 | 5.0 | | 8.0 | | 8.6 | 10.4 | *B* | 9.5 | 36 | 1.6 | 56.3 | | 6.5 | | 31.4 | 36.1 | *Kb* |
| 9.0 | 38 | 5.5 | 55.9 | | 9.4 | | 42.0 | 58.3 | | 9.4 | | 31.8 | 47.8 | | 9.4 | | 8.5 | 36.4 | | 9.0 | | 45.9 | 36.4 | K |
| 8.9 | | 18.4 | 44.8 | R | 7.8 | | 55.4 | 12.9 | B | 9.5 | | 55.8 | 4.5 | | 9.5 | | 14.2 | 3.5 | | 7.7 | 55 | 20.4 | 59.9 | B |
| 9.5 | 39 | 39.3 | 53.4 | | 9.2 | 58 | 1.3 | 42.7 | | 9.5 | | 56.2 | 25.5 | | 9.5 | 37 | 22.5 | 12.8 | | 9.1 | | 56.9 | 15.6 | |
| 9.5 | | 44.1 | 19.3 | | 9.4 | 59 | 53.8 | 38.0 | *aBb* | 9.3 | 18 | 38.6 | 34.9 | | 9.4 | | 31.6 | 0.0 | *a* | 8.5 | 56 | 7.6 | 7.4 | K |
| 9.2 | 40 | 11.4 | 25.8 | K | 8.5 | 1 | 39.4 | 57.7 | | 9.2 | 19 | 44.8 | 27.3 | *b* | 9.4 | | 55.2 | 14.7 | | 9.4 | | 59.8 | 25.9 | *aB* |
| 8.9 | | 25.0 | 15.8 | | 9.5 | | 57.6 | 9.9 | | 9.4 | 20 | 11.9 | 48.8 | *aB* | 9.3 | 38 | 14.8 | 34.7 | | 9.5 | 57 | 36.2 | 23.6 | |
| 8.4 | | 34.0 | 21.0 | K | 9.5 | 2 | 44.0 | 4.3 | | 9.5 | | 23.5 | 48.6 | | 8.7 | | 18.4 | 36.4 | K | 9.1 | | 38.5 | 29.5 | *b* |
| 9.5 | | 38.1 | 2.3 | | 9.5 | | 53.1 | 28.2 | | 9.5 | | 46.5 | 55.1 | | 9.0 | | 22.8 | 9.5 | K | 9.5 | 58 | 7.4 | 57.0 | |
| 7.5 | 41 | 6.0 | 8.2 | L | 9.1 | | 53.1 | 51.7 | | 9.5 | 21 | 7.0 | 52.8 | | 8.0 | | 24.4 | 26.8 | S | 9.5 | | 50.4 | 37.1 | B |
| 9.1 | | 19.0 | 59.2 | K | 9.5 | 3 | 2.5 | 59.8 | | 9.5 | | 17.6 | 38.4 | | 9.5 | | 49.1 | 35.4 | | 9.2 | 59 | 56.0 | 17.2 | |
| 8.8 | | 21.1 | 40.4 | K | 9.3 | | 10.0 | 55.4 | | 8.8 | 22 | 4.4 | 22.7 | K | 9.2 | 39 | 24.7 | 9.1 | | 9.3 | 0 | 1.4 | 33.0 | |
| 9.4 | | 25.8 | 36.9 | | 9.5 | | 19.8 | 10.9 | | 9.5 | | 39.2 | 34.2 | | 9.5 | | 26.8 | 22.9 | | 9.0 | | 1.7 | 37.9 | K |
| 9.0 | | 59.0 | 30.0 | K | 9.4 | 4 | 3.3 | 6.0 | | 9.5 | 23 | 22.6 | 33.9 | | 9.5 | | 59.6 | 40.6 | | 9.4 | | 23.5 | 24.0 | *aB* |
| 9.5 | 42 | 2.3 | 56.6 | B | 8.3 | | 56.8 | 34.8 | *B* | 9.3 | | 44.5 | 22.1 | K | 8.8 | 41 | 8.1 | 17.2 | K | 9.0 | | 26.4 | 16.6 | B |
| 9.2 | | 12.0 | 55.1 | B | 7.9 | 5 | 2.5 | 22.5 | *B* | 9.5 | | 49.4 | 30.5 | | 8.9 | | 26.2 | 21.3 | K | 9.4 | | 26.4 | 15.4 | |
| 9.5 | | 40.1 | 10.0 | | 8.8 | | 5.2 | 11.2 | | 9.4 | | 58.9 | 0.3 | | 9.4 | | 39.5 | 49.6 | | 9.5 | | 35.4 | 24.4 | |
| 9.5 | | 53.1 | 1.1 | | 8.4 | | 14.3 | 25.7 | B | 9.2 | 24 | 10.8 | 4.6 | | 9.5 | | 48.3 | 38.9 | *a* | 9.2 | 1 | 2.5 | 56.9 | |
| 9.0 | | 57.2 | 30.4 | K | 8.3 | | 32.9 | 43.5 | *Kb* | 9.1 | 25 | 57.5 | 16.1 | K | 9.5 | | 59.1 | 21.5 | | 9.3 | | 7.6 | 6.0 | |
| 8.8 | 43 | 9.3 | 22.7 | | 9.3 | | 43.4 | 2.8 | *B* | 9.5 | 26 | 33.8 | 4.7 | | 9.5 | 42 | 2.5 | 36.5 | | 9.5 | | 28.0 | 23.6 | |
| 8.0 | | 18.8 | 44.5 | *Kb* | 9.5 | 6 | 11.3 | 56.1 | | 9.3 | | 37.4 | 32.9 | | 9.5 | | 22.3 | 23.5 | *aB* | 9.4 | | 29.1 | 3.4 | B |
| 9.2 | | 34.2 | 2.6 | | 9.5 | | 26.5 | 22.8 | | 9.3 | | 38.3 | 11.2 | | 9.0 | | 26.7 | 39.1 | | 7.0 | | 45.4 | 39.6 | K |
| 9.0 | | 47.8 | 39.7 | B | 9.5 | | 29.0 | 28.9 | | 9.2 | | 43.8 | 23.6 | B | 9.5 | 43 | 22.4 | 0.6 | | 9.3 | 2 | 29.5 | 8.0 | |
| 8.4 | 44 | 46.3 | 9.9 | K | 9.5 | | 32.4 | 36.8 | | 7.2 | | 44.8 | 22.9 | K | 9.5 | 44 | 4.2 | 33.0 | | 9.2 | | 49.0 | 31.8 | |
| 9.5 | | 54.6 | 36.5 | | 8.8 | | 37.8 | 12.7 | *Kb* | 9.0 | 27 | 0.1 | 22.2 | K | 9.5 | | 23.4 | 29.6 | | 9.5 | | 58.0 | 36.8 | |
| 9.5 | | 55.2 | 28.6 | | 9.5 | | 50.5 | 31.0 | | 9.5 | | 13.2 | 40.6 | | 8.9 | | 31.4 | 10.0 | | 9.0 | 3 | 2.1 | 29.3 | B |
| 9.2 | 45 | 25.0 | 7.7 | | 8.8 | | 54.2 | 22.0 | K | 9.5 | | 38.8 | 36.5 | | 9.4 | | 36.1 | 48.0 | | 9.4 | | 14.4 | 25.4 | |
| 9.0 | | 25.8 | 16.5 | K | 9.5 | | 55.9 | 0.2 | | 8.8 | | 40.8 | 17.9 | K | 9.4 | | 42.4 | 2.4 | | 9.5 | | 15.9 | 37.5 | |
| 8.2 | | 38.5 | 43.9 | K | 9.5 | 7 | 1.9 | 4.7 | B | 9.0 | 28 | 6.0 | 14.7 | K | 9.5 | 46 | 29.1 | 2.5 | | 9.5 | 4 | 11.0 | 39.8 | |
| 9.2 | 46 | 10.6 | 13.0 | | 8.3 | | 2.6 | 59.3 | | 9.0 | | 8.7 | 36.1 | | 9.0 | | 41.8 | 13.7 | | 9.5 | | 18.6 | 48.5 | |
| 9.2 | | 11.5 | 15.5 | | 9.3 | | 41.0 | 6.4 | | 9.1 | | 30.9 | 12.5 | | 9.1 | | 43.5 | 39.8 | | 9.4 | | 37.7 | 39.7 | *B* |
| 7.3 | | 18.9 | 6.4 | L | 9.4 | | 54.3 | 52.2 | | 7.9 | | 34.3 | 6.7 | B | 9.5 | 47 | 5.9 | 36.2 | | 9.4 | | 47.6 | 0.7 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *32.13* | *3.29* | | *10pr.* | | *32.85* | *3.24* | | *10pr.* | | *33.55* | *3.15* | | *10pr.* | | *34.19* | *3.05* | | *10pr.* | | *34.82* | *2.92* | |

*266 a*
*9.5 | 24 44.2 | 47.8 |

| m | 2ᵉ | +32° | |
|---|---|---|---|
| | 401—460 | | |
| 8.4 | 4′ 56.8″ | 55.7 | K |
| 8.0 | 5 8.4 | 18.0 | K |
| 9.5 | 14.9 | 25.0 | |
| 8.3 | 58.9 | 5.1 | K |
| 8.0 | 6 7.0 | 37.9 | K |
| 9.5 | 44.7 | 44.6 | |
| 9.5 | 44.7 | 21.3 | |
| 8.8 | 47.9 | 16.0 | K |
| 5.2 | 7 22.5 | 42.4 | Kb |
| 9.5 | 8 20.4 | 51.3 | |
| 9.5 | 39.3 | 3.8 | |
| 9.5 | 41.5 | 28 9 | |
| 9.4 | 9 30.4 | 10.6 | |
| 9.5 | 53.4 | 12.4 | B |
| 8.5 | 10 7.6 | 54.0 | K |
| 9.4 | 27.9 | 12.3 | B |
| 8.1 | 43.9 | 55.7 | K |
| 9.5 | 59.5 | 57.0 | |
| 8.9 | 11 2.0 | 33.8 | B |
| 9.5 | 10.5 | 53.5 | |
| 9.5 | 48.5 | 7.0 | |
| 8.7 | 52.5 | 1.2 | |
| 8.5 | 58.0 | 51.0 | L |
| 9.4 | 12 42.4 | 12.1 | |
| 9.5 | 50.6 | 59.1 | |
| 9.2 | 13 2.4 | 49.3 | a |
| 8.8 | 3.6 | 48.6 | B |
| 9.4 | 32.5 | 42.0 | |
| 9.3 | 33.2 | 59.9 | |
| 9.0 | 14 27.9 | 21.3 | |
| 9.5 | 37.8 | 25.0 | |
| 8.0 | 51.2 | 1.9 | K |
| 8.0 | 15 16.9 | 50.7 | B |
| 9.4 | 19.9 | 49.8 | |
| 9.3 | 34.7 | 1.6 | aB |
| 9.2 | 16 3.0 | 0.7 | aB |
| 9.5 | 39.9 | 26.4 | |
| 9.3 | 17 21.2 | 3.7 | |
| 9.5 | 18 18.0 | 30.6 | |
| 9.5 | 19.4 | 36.8 | |
| 8.3 | 30.9 | 14.3 | B |
| 9.5 | 19 21.0 | 37.2 | |
| 9.2 | 27.0 | 11.8 | |
| 9.4 | 51.6 | 8.0 | |
| 9.4 | 55.7 | 9.7 | |
| 9.4 | 20 11.8 | 6.5 | B |
| 9.5 | 13.7 | 1.7 | |
| 9.5 | 26.1 | 54.4 | B |
| 8.8 | 51.0 | 50.4 | K |
| 8.8 | 52.6 | 31.3 | K |
| 9.5 | 21 14.4 | 36.2 | |
| 8.0 | 27.4 | 44.9 | K |
| 8.0 | 34.9 | 51.1 | K |
| 8.3 | 49.4 | 38.6 | K |
| 9.5 | 22 14.9 | 3.5 | |
| 9.1 | 45.5 | 13.6 | b |
| 8.4 | 48.9 | 46.6 | K |
| 9.4 | 50.0 | 54.7 | B |
| 8.2 | 23 9.0 | 54.5 | K |
| 9.4 | 33.9 | 36.8 | |
| 10pr. | + 35.44 | + 2.78 | |

| m | 2ᵉ | +32° | |
|---|---|---|---|
| | 461—520 | | |
| 9.2 | 23′ 40.2″ | 2.5 | |
| 9.2 | 24 2.0 | 53.6 | B |
| 9.1 | 24.6 | 27.4 | aB |
| 9.5 | 29.6 | 53.4 | B |
| 8.8 | 35.0 | 22.3 | K |
| 9.5 | 25 0.9 | 7.7 | |
| 9.4 | 26.5 | 21.5 | |
| 7.8 | 26 34.9 | 12.6 | K |
| 9.4 | 59.0 | 7.4 | |
| 9.5 | 27 17.5 | 42.8 | |
| 8.4 | 18.2 | 25.8 | K |
| 9.3 | 35.4 | 43.1 | |
| 6.5 | 28 24.9 | 15.3 | K |
| 8.9 | 38.3 | 1.1 | Kb |
| 9.5 | 59.8 | 52.0 | |
| 9.4 | 29 40.7 | 29.9 | |
| 9.4 | 54.9 | 7.0 | |
| 6.9 | 30 2.0 | 47.2 | K |
| 8.9 | 15 5 | 56.7 | Kb |
| 9.4 | 46.1 | 59.1 | B |
| 8.2 | 48.9 | 53.0 | K |
| 9.3 | 49.7 | 33.5 | B |
| 7.8 | 31 3.9 | 51.6 | K |
| 7.1 | 7.9 | 11.2 | B |
| 9.5 | 23.3 | 37.0 | B |
| 9.5 | 33.0 | 11.5 | |
| 9.5 | 32 40.5 | 0.3 | |
| 9.2 | 33 20.0 | 20.2 | |
| 9.5 | 29.4 | 14.6 | |
| 7.4 | 57.6 | 17.3 | K |
| 9.3 | 58.0 | 41.4 | |
| 8.0 | 34 3.5 | 14.5 | K |
| 9.5 | 12.9 | 2.5 | |
| 9.4 | 35 12.8 | 26.5 | |
| 9.5 | 17.9 | 50.2 | |
| 8.9 | 28.8 | 40.5 | |
| 9.4 | 36 17.7 | 4.7 | |
| 8.9 | 23.0 | 7.6 | K |
| 9.4 | 42.6 | 52.8 | |
| 9.4 | 56.2 | 13.0 | |
| 9.2 | 37 8.8 | 42.6 | b |
| 9.5 | 16.2 | 15.2 | |
| 9.5 | 33.9 | 0.5 | |
| 9.0 | 38 14.0 | 15.2 | |
| 9.5 | 14.0 | 25.9 | |
| 9.5 | 39 18.3 | 5.1 | |
| 7.8 | 40 18.6 | 34.3 | K |
| 7.5 | 20.0 | 14.4 | K |
| 9.3 | 41 34.6 | 28.4 | |
| 9.4 | 37.0 | 35.3 | |
| 8.2 | 37.8 | 14.2 | K |
| 9.5 | 42 12.8 | 0.7 | |
| 9.4 | 42.3 | 16 9 | |
| 9.5 | 50.6 | 42.3 | |
| 9.3 | 54.3 | 31.2 | |
| 9.5 | 43 2.6 | 57.6 | |
| 8.1 | 14.8 | 8.5 | K |
| 9.2 | 31.8 | 5.7 | K |
| 9.4 | 44 0.0 | 45.6 | |
| 9.5 | 11.2 | 49.4 | |
| 10pr. | + 36.01 | + 2.61 | |

| m | 2ᵉ—3ᵉ | +32° | |
|---|---|---|---|
| | 521—580 | | |
| 9.4 | 44′ 16.5″ | 53.4 | |
| 7.5 | 51.4 | 18.7 | L |
| 9.4 | 45 54.9 | 7.2 | |
| 9.5 | 57.7 | 15.5 | |
| 9.1 | 46 1.5 | 21.2 | |
| 9.1 | 1.6 | 11.7 | |
| 9.5 | 4.4 | 30.8 | |
| 9.1 | 5.9 | 24.5 | Bb |
| 9.0 | 18.6 | 0.4 | B |
| 9.5 | 35.7 | 1.9 | B |
| 9.3 | 47 48.0 | 23.2 | |
| 8.9 | 48 16.1 | 28.6 | |
| 9.1 | 29.3 | 26.2 | |
| 9.5 | 43.2 | 20.8 | |
| 8.3 | 46.9 | 8.6 | K |
| 9.3 | 49 26.5 | 9.9 | |
| 9.5 | 33.7 | 14.9 | |
| 8.5 | 56.1 | 31.6 | K |
| 9.3 | 50 0.8 | 2.8 | |
| 9.3 | 9.6 | 50.0 | |
| 8.8 | 38.3 | 19.4 | |
| 9.1 | 59.5 | 0.2 | b |
| 9.5 | 51 10.8 | 57.8 | |
| 9.4 | 16.9 | 28.8 | |
| 9.4 | 20.4 | 37.1 | |
| 9.5 | 51.1 | 32.2 | |
| 9.2 | 52 22.9 | 2.3 | |
| 9.5 | 55.8 | 0.7 | |
| 9.4 | 54 12.1 | 2.9 | |
| 8.0 | 24.3 | 34.4 | Kb |
| 9.5 | 37.7 | 8.6 | |
| 9.5 | 42.5 | 1.6 | |
| 9.5 | 55 13.6 | 24 2 | |
| 9.5 | 17.6 | 4.6 | |
| 8.8 | 20.5 | 23.2 | K |
| 9.5 | 35.3 | 42.4 | |
| 9.4 | 42.4 | 4.1 | |
| 9.6 | 44.7 | 32.3 | |
| 9.4 | 56 16.4 | 12.0 | |
| 9.5 | 22.0 | 49.6 | |
| 9.1 | 40.3 | 48.6 | b |
| 9.5 | 57 29.5 | 30.2 | |
| 8.3 | 58 15.2 | 6.0 | |
| 8.8 | 38.0 | 50.6 | |
| 8.9 | 47.0 | 17.5 | B |
| 9.0 | 54.8 | 29.8 | K |
| 9.5 | 59 4.0 | 17.5 | B |
| 9.4 | 17.1 | 17.6 | B |
| 9.2 | 37.7 | 1.6 | a |
| 9.5 | 0 11.8 | 48.2 | |
| 9.2 | 29.6 | 1.8 | Kb |
| 9.5 | 56.3 | 11.7 | |
| 9.5 | 59.0 | 58.2 | |
| 9.5 | 1 0.3 | 33.7 | |
| 9.5 | 24.2 | 24.3 | |
| 9.4 | 2 1.3 | 46.2 | |
| 8.3 | 27.3 | 19.1 | K |
| 9.4 | 3 3.8 | 31.2 | B |
| 9.5 | 26.8 | 15.9 | |
| 9.5 | 27.5 | 3.4 | |
| 10pr. | + 36.59 | + 2.41 | |

| m | 3ᵉ | +32° | |
|---|---|---|---|
| | 581—640 | | |
| 9.5 | 3′ 37.8″ | 25.0 | |
| 8.0 | 4 5.8 | 21.1 | K |
| 9.1 | 8.8 | 36.1 | B |
| 9.4 | 9.9 | 54.7 | |
| 8.0 | 5 11.6 | 58.2 | Kb |
| 9.5 | 14.5 | 6.1 | B |
| 9.4 | 23.3 | 23.9 | |
| 8.2 | 53.5 | 7.1 | Kb |
| 9.5 | 6 8.0 | 4.0 | |
| 9.5 | 13.4 | 55.1 | |
| 6.5 | 50.0 | 18.9 | B |
| 9.0 | 7 12.8 | 52.2 | |
| 9.0 | 17.0 | 46.5 | |
| 8.5 | 38.1 | 6.3 | K |
| 9.4 | 48.8 | 10.2 | B |
| 9.5 | 52.5 | 16.2 | B |
| 9.1 | 8 23.1 | 4.6 | |
| 9.5 | 41.8 | 17.3 | |
| 9.2 | 9 7.2 | 23.0 | Kb |
| 9.2 | 20.4 | 7.0 | |
| 9.4 | 52.8 | 8.8 | B |
| 7.8 | 10 4.8 | 9.0 | K |
| 8.8 | 8.9 | 47.6 | Kb |
| 9.3 | 13.5 | 23.9 | |
| 9.5 | 30.0 | 26.0 | |
| 8.3 | 11 12.7 | 26.4 | K |
| 9.5 | 30.8 | 24.3 | |
| 7.8 | 56.9 | 41.7 | B |
| 9.4 | 12 5.6 | 0.5 | |
| 9.5 | 8.8 | 48.0 | |
| 9.5 | 13.3 | 26.7 | |
| 8.0 | 40.3 | 33.7 | K |
| 8.0 | 43.8 | 24.8 | K |
| 9.5 | 13 5.9 | 49.0 | |
| 9.5 | 8.3 | 53.9 | |
| 9.5 | 11.1 | 13.1 | |
| 9.2 | 19.4 | 4.6 | |
| 9.5 | 14 4.9 | 3.2 | |
| 8.0 | 4.9 | 20.8 | B |
| 9.5 | 10.5 | 56.8 | |
| 7.6 | 11.8 | 32.9 | B |
| 7.3 | 26.3 | 48.8 | B |
| 7.5 | 36.1 | 28.4 | B |
| 9.5 | 38.8 | 40.6 | |
| 9.5 | 15 7.6 | 2.8 | |
| 8.0 | 16 38.3 | 46.9 | K |
| 9.5 | 49.3 | 30.5 | |
| 9.5 | 17 34.4 | 10.0 | |
| 7.5 | 19 11.8 | 18.3 | K |
| 9.5 | 20 4.5 | 39.6 | |
| 8.6 | 33.4 | 59.2 | B |
| 8.8 | 21 24.4 | 32.7 | Kb |
| 9.5 | 43.3 | 48.7 | |
| 9.3 | 44.9 | 35.9 | |
| 9.5 | 22 10.8 | 43.9 | |
| 9.5 | 45.7 | 0.2 | |
| 9.5 | 55.6 | 52.5 | |
| 9.5 | 24 4.8 | 32.3 | B |
| 7.5 | 7.3 | 51.3 | K |
| 9.2 | 15.7 | 49.8 | aB |
| 10pr. | + 37.06 | + 2.24 | |

| m | 3ᵉ | +32° | |
|---|---|---|---|
| | 641—700 | | |
| 9.4 | 24′ 27.1″ | 9.4 | |
| 9.5 | 25 16.6 | 36.0 | |
| 8.8 | 31.6 | 30.6 | Bb |
| 9.4 | 27 43.8 | 36.8 | |
| 9.5 | 28 45.2 | 3.3 | |
| 9.5 | 47.9 | 30.4 | |
| 9.5 | 49.4 | 35.8 | |
| 9.5 | 29 10.8 | 11.1 | |
| 9.4 | 32.8 | 23.7 | |
| 9.4 | 30 15.9 | 15.5 | |
| 9.0 | 17.0 | 4.1 | |
| 8.7 | 40.6 | 59.4 | K |
| 8.8 | 45.0 | 57.7 | |
| 8.9 | 59.1 | 19.1 | K |
| 9.5 | 31 21.5 | 23.6 | |
| 9.5 | 42.0 | 3.4 | |
| 9.5 | 55.1 | 40.5 | B |
| 9.5 | 32 6.0 | 43.5 | |
| 6.8 | 33 20.5 | 28.8 | K |
| 8.7 | 51.8 | 50.8 | |
| 8.8 | 34 35.5 | 9.7 | K |
| 8.8 | 49.4 | 9.2 | K |
| 9.4 | 35 55.3 | 27.5 | |
| 9.1 | 36 0.3 | 31.0 | Bb |
| 8.7 | 37 40.7 | 8.9 | |
| 9.0 | 38 16.0 | 51.9 | |
| 5.8 | 40 23.0 | 38.4 | Pb |
| 9.5 | 33.7 | 3.1 | |
| 8.4 | 41 54.1 | 6.8 | |
| 9.5 | 42 8.8 | 51.1 | |
| 9.5 | 29.4 | 8.4 | |
| 9.5 | 50.2 | 30.1 | |
| 9.4 | 43 3.1 | 14.0 | |
| 8.5 | 3.8 | 57.2 | K |
| 9.5 | 13.2 | 26.6 | |
| 9.0 | 20.4 | 41.2 | |
| 9.5 | 33.5 | 7.4 | |
| 9.4 | 44 1.2 | 23.1 | |
| 8.0 | 20.6 | 40.5 | K |
| 9.1 | 40.2 | 56.9 | |
| 9.5 | 56.6 | 8.0 | |
| 9.3 | 45 2.5 | 42.5 | |
| 8.8 | 8.4 | 30.6 | B |
| 9.5 | 48.7 | 19.3 | |
| 9.5 | 46 31.5 | 24.5 | |
| 8.5 | 56.7 | 37.3 | K |
| 9.4 | 47 3.7 | 30.8 | |
| 8.3 | 14.8 | 45.3 | K |
| 9.2 | 19.0 | 26.5 | B |
| 9.5 | 31.6 | 21.4 | |
| 8.3 | 48 8.1 | 27.7 | K |
| 9.5 | 12.2 | 44.0 | |
| 9.4 | 13.4 | 19.3 | |
| 9.0 | 39.6 | 12.6 | |
| 8.0 | 49 10.6 | 19.6 | K |
| 9.1 | 34.4 | 7.1 | |
| 8.0 | 44.6 | 21.0 | K |
| 9.3 | 50 0.7 | 16.8 | |
| 9.5 | 59.2 | 10.0 | |
| 9.0 | 51 2.4 | 17.0 | |
| 10pr. | + 37.75 | + 1.89 | |

| 701—760 | | | | | 761—820 | | | | | 821—880 | | | | | 881—940 | | | | | 941—1000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵘ—4ᵘ | | +32° | | | 4ᵘ | | +32° | | | 4ᵘ | | +32° | | | 4ᵘ—5ᵘ | | +32° | | | 5ᵘ | | +32° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.4 | | 51 12.5 | 52.9 | aB | 8.1 | | 7 41.5 | 52.6 | L | 9.5 | | 31 13.7 | 48.1 | | 9.1 | | 55 44.1 | 44.3 | | 8.9 | | 9 12.8 | 3.8 | |
| 9.1 | | 18.4 | 56.3 | *a* | 9.5 | | 8 4.7 | 51.7 | | 9.5 | | 33.0 | 41.8 | | 8.4 | | 55.1 | 27.3 | K | 9.0 | | 10 0.4 | 3.3 | K |
| 8.3 | | 46.1 | 0.4 | K | 9.1 | | 25.6 | 54.0 | aB | 9.5 | | 32 34.7 | 17.8 | | 9.5 | | 56 5.2 | 48.4 | | 8.9 | | 6.9 | 0.9 | K |
| 9.4 | | 52.4 | 47.1 | | 9.0 | | 52.7 | 15.8 | K | 8.4 | | 34 4.9 | 56.8 | K*b* | 8.9 | | 7.3 | 19.1 | K | 9.5 | | 22.0 | 5.3 | |
| 9.1 | | 52 8.2 | 14.1 | *b* | 7.4 | | 9 0.8 | 1.8 | K | 9.0 | | 10.5 | 10.8 | | 9.2 | | 54.4 | 4.3 | | 7.4 | | 34.4 | 37.9 | L |
| 9.0 | | 17.1 | 44.1 | B | 8.5 | | 53.5 | 41.0 | | 9.5 | | 24.8 | 50.1 | | 9.5 | | 56.0 | 56.0 | | 9.3 | | 35.4 | 36.9 | |
| 9.5 | | 53 5.5 | 23.6 | B | 9.3 | | 10 34.6 | 5.0 | | 6.5 | | 26 7 | 35.5 | K | 9.1 | | 58.5 | 12.5 | | 9.3 | | 37.7 | 26.6 | |
| 8.0 | | 24.1 | 30.7 | K | 9.3 | | 49.2 | 21.9 | | 9.5 | | 35 1.6 | 58.1 | | 9.5 | | 57 25.9 | 1.9 | | 9.4 | | 44.5 | 24.6 | |
| 9.1 | | 25.6 | 26.2 | | 9.4 | | 53.5 | 11.5 | B | 9.4 | | 48.1 | 33.5 | | 9.5 | | 49.1 | 55.5 | | 8.2 | | 11 13.4 | 7.5 | K |
| 9.4 | | 55 6.7 | 34.6 | | 9.5 | | 11 17.1 | 0.3 | | 8.7 | | 53.0 | 38.9 | K | 9.1 | | 59.0 | 42.8 | | 9.1 | | 25.1 | 55.8 | *b* |
| 9.1 | | 10.4 | 13.3 | | 8.9 | | 52.3 | 28.6 | | 9.2 | | 36 5.6 | 28.5 | B | 9.5 | | 58 1.9 | 6.0 | | 9.2 | | 30.3 | 58.6 | |
| 9.0 | | 16.7 | 37.7 | | 9.5 | | 53.8 | 33.9 | | 8.6 | | 24.8 | 10.5 | K | 7.5 | | 11.5 | 33.4 | K*b* | 8.2 | | 45.4 | 25.8 | K |
| 9.2 | | 29.9 | 52.1 | | 9.5 | | 12 1.4 | 38.8 | | 9.5 | | 55.0 | 49.8 | | 9.5 | | 12.6 | 51.8 | | 9.3 | | 12 5.6 | 58.8 | |
| 6.5 | | 31.4 | 9.9 | K | 9.5 | | 21.8 | 57.0 | B | 9.4 | | 37 16.0 | 22.3 | | 9.3 | | 46.5 | 17.3 | B | 9.1 | | 9.4 | 29.2 | |
| 9.5 | | 56.7 | 32.1 | | 9.1 | | 45.9 | 47.4 | *b* | 9.1 | | 47.3 | 50.5 | *b* | 9.5 | | 59 12.7 | 55.0 | | 8.7 | | 9.4 | 9.7 | B |
| 9.5 | | 56 6.6 | 48.2 | | 9.3 | | 13 5.7 | 24.1 | | 9.2 | | 38 17.7 | 29.6 | | 8.0 | | 16.4 | 30.5 | K | 8.8 | | 21.4 | 14.2 | |
| 9.1 | | 15.9 | 29.0 | *b* | 9.4 | | 9.5 | 50.6 | | 9.5 | | 23.5 | 41.5 | | 9.5 | | 31.0 | 34.2 | | 9.3 | | 22.3 | 21.4 | K*b* |
| 9.2 | | 44.9 | 36.8 | | 7.5 | | 17.8 | 7.1 | K | 9.5 | | 39 20.4 | 57.5 | | 8.4 | | 0 2.4 | 14.4 | K | 9.1 | | 38.4 | 35.5 | |
| 9.2 | | 49.9 | 35.0 | aB | 9.5 | | 19.6 | 50.8 | | 9.4 | | 41.3 | 44.2 | | 8.5 | | 19.5 | 43.8 | | 9.4 | | 42.2 | 53.3 | |
| 9.5 | | 58 2.5 | 54.0 | | 9.5 | | 49.9 | 53.2 | | 6.0 | | 56.7 | 21.1 | K | 9.0 | | 1 6.6 | 13.9 | | 9.2 | | 54.8 | 46.9 | |
| 8.6 | | 10.1 | 40.8 | K | 9.5 | | 14 16.4 | 48.5 | | 9.4 | | 40 32.0 | 4.0 | | 9.2 | | 12.7 | 36.9 | | 9.5 | | 58.4 | 3.2 | |
| 8.5 | | 23.2 | 40.1 | K | 9.1 | | 34.0 | 38.4 | *b* | 8.8 | | 41 38.1 | 11.3 | | 8.9 | | 36.3 | 12.9 | K | 9.5 | | 13 23.7 | 34.7 | |
| 9.0 | | 42.0 | 2.7 | | 9.5 | | 52.7 | 53.3 | | 9.1 | | 53.6 | 38.9 | K*b* | 9.3 | | 2 11.4 | 33.6 | | 8.5 | | 14 14.3 | 12.7 | |
| 9.5 | | 51.7 | 14.7 | | 8.9 | | 15 11.8 | 57.7 | K | 9.4 | | 42 0.1 | 43.2 | | 9.5 | | 19.3 | 14.0 | | 9.5 | | 20.4 | 33.5 | |
| 9.2 | | 56.3 | 56.0 | | 9.5 | | 36.4 | 28.5 | | 9.4 | | 18.7 | 36.3 | | 7.5 | | 41.9 | 42.9 | K | 9.2 | | 26.1 | 38.2 | |
| 7.5 | | 59 5.4 | 4.1 | L | 9.4 | | 39.7 | 7.0 | | 9.0 | | 25.5 | 1.9 | | 9.5 | | 51.0 | 0.4 | | 8.2 | | 33.9 | 29.0 | K |
| 9.2 | | 30.8 | 3.8 | B | 9.2 | | 16 12.7 | 32.1 | aB*b* | 9.5 | | 48.7 | 33.0 | | 8.9 | | 3 17.4 | 52.5 | K | 9.3 | | 37.0 | 41.1 | |
| 9.5 | | 0 20.2 | 51.0 | | 9.2 | | 14.6 | 47.4 | | 9.5 | | 43 8.4 | 6.3 | | 9.5 | | 27.8 | 16.7 | | 9.5 | | 56.7 | 37.2 | |
| 8.2 | | 20.9 | 46.4 | B | 9.5 | | 29.2 | 32.1 | *B* | 9.1 | | 44 28.6 | 6.7 | | 8.8 | | 32.9 | 9.3 | | 9.5 | | 57.0 | 44.5 | |
| 9.0 | | 32.1 | 40.8 | | 9.4 | | 52.8 | 52.9 | | 9.5 | | 49.0 | 4.0 | | 8.8 | | 4 46.4 | 4.3 | K | 9.5 | | 15 0.8 | 40.5 | B |
| 8.6 | | 35.9 | 24.9 | B | 9.5 | | 17 12.0 | 39.5 | | 9.4 | | 45 12.9 | 0.0 | | 9.0 | | 47.8 | 15.9 | | 9.5 | | 5.0 | 45.0 | |
| 9.3 | | 42.9 | 31.8 | | 8.7 | | 28.5 | 2.2 | | 9.5 | | 18.2 | 57.3 | | 9.5 | | 48.5 | 6.2 | | 9.5 | | 11.6 | 7.0 | |
| 9.0 | | 43.8 | 21.5 | B | 9.3 | | 28.9 | 35.0 | | 7.5 | | 46 6.1 | 33.0 | K | 9.4 | | 50.6 | 19.4 | | 8.8 | | 18.5 | 33.9 | K |
| 9.5 | | 46.0 | 24.4 | | 9.0 | | 34.0 | 40.5 | | 9.1 | | 47 5.6 | 31.2 | | 8.8 | | 51.4 | 54.7 | K | 8.8 | | 26.4 | 41.5 | K |
| 9.0 | | 52.2 | 38.7 | | 9.4 | | 18 5.2 | 2.5 | | 3.0 | | 32.8 | 56.2 | K | 9.3 | | 56.5 | 29.7 | | 9.4 | | 48.8 | 15.9 | |
| 9.5 | | 1 23.6 | 15.0 | | 9.0 | | 19.0 | 31.0 | B*b* | 9.5 | | 43.0 | 1.0 | | 9.5 | | 5 0.0 | 23.4 | *B* | 9.5 | | 49.4 | 32.5 | |
| 8.6 | | 58.7 | 2.2 | R | 9.5 | | 35.3 | 49.5 | | 9.3 | | 48 14.7 | 3.7 | | 9.3 | | 5.2 | 17.1 | | 9.2 | | 49.9 | 28.8 | |
| 9.3 | | 2 1.4 | 54.4 | | 9.3 | | 19 9.1 | 15.9 | B | 8.4 | | 49 19.3 | 11.2 | K | 9.5 | | 15.1 | 9.9 | | 9.2 | | 59.8 | 16.9 | B |
| 9.3 | | 53.1 | 42.6 | | 9.3 | | 22.2 | 12.9 | aB | 9.5 | | 37.3 | 44.0 | B | 9.1 | | 16.3 | 25.4 | | 9.4 | | 16 0.9 | 8.1 | |
| 9.3 | | 57.5 | 52.4 | | 9.2 | | 33.3 | 36.6 | | 9.0 | | 50.8 | 20.5 | K*b* | 9.5 | | 42.4 | 50.4 | | 9.3 | | 10.2 | 7.1 | |
| 9.0 | | 3 11.4 | 26.2 | B | 9.2 | | 38.0 | 42.1 | | 9.4 | | 51.9 | 49.2 | | 9.5 | | 48.9 | 32.9 | | 9.4 | | 15.8 | 9.6 | |
| 9.2 | | 18.6 | 33.6 | | 9.5 | | 20 1.1 | 27.8 | | 9.5 | | 50 10.0 | 4.3 | | 5.5 | | 57.5 | 30.9 | S*b* | 9.0 | | 39.4 | 40.2 | |
| 6.5 | | 44.7 | 9.2 | L | 9.5 | | 4.2 | 24.6 | | 9.4 | | 33.6 | 30.8 | | 9.5 | | 6 4.8 | 3.9 | | 9.5 | | 17 11.4 | 17.2 | |
| 9.5 | | 4 13.6 | 16.5 | | 9.1 | | 21.7 | 50.1 | *b* | 9.5 | | 51 17.5 | 48.3 | | 9.5 | | 19.3 | 1.3 | | 8.9 | | 24.2 | 51.3 | K |
| 9.5 | | 20.8 | 25.9 | | 7.3 | | 46.3 | 11.8 | K | 8.8 | | 31.6 | 32.3 | *b* | 9.3 | | 22.8 | 35.0 | | 8.8 | | 26.4 | 25.1 | K |
| 9.3 | | 41.0 | 37.1 | | 6.5 | | 21 20.3 | 8.0 | K | 9.4 | | 48.3 | 19.1 | | 9.2 | | 27.4 | 47.8 | | 9.5 | | 36.5 | 49.8 | |
| 9.2 | | 49.5 | 38.0 | aB*b* | 9.5 | | 53.7 | 10.1 | | 9.4 | | 52 8.6 | 41.2 | B | 9.3 | | 30.8 | 54.1 | | 9.3 | | 43.4 | 11.8 | |
| 9.5 | | 5 2.6 | 48.1 | | 9.5 | | 22 16.6 | 43.2 | | 8.4 | | 29.0 | 2.0 | | 9.5 | | 41.5 | 17.7 | | 9.1 | | 18 0.6 | 59.3 | |
| 9.5 | | 7.7 | 55.0 | | 9.5 | | 25.0 | 36.3 | | 9.5 | | 44.1 | 21.9 | | 8.9 | | 59.2 | 25.1 | | 9.0 | | 13.8 | 23.0 | |
| 9.4 | | 11.1 | 2.5 | | 8.3 | | 23 23.0 | 25.1 | | 9.1 | | 53 34.5 | 9.9 | | 9.5 | | 7 0.0 | 14.3 | | 8.8 | | 16.0 | 44.3 | |
| 9.2 | | 15.5 | 7.8 | | 8.5 | | 29.6 | 34.8 | | 9.1 | | 42.0 | 11.0 | | 8.8 | | 0.6 | 59.8 | | 9.4 | | 19.1 | 51.6 | |
| 9.5 | | 32.2 | 46.0 | | 9.2 | | 48.8 | 33.1 | | 9.3 | | 56.3 | 5.8 | | 9.3 | | 18.4 | 11.7 | | 9.5 | | 30.2 | 3.2 | |
| 9.2 | | 38.9 | 27.3 | | 9.4 | | 24 16.3 | 28.2 | | 8.8 | | 54 8.6 | 12.9 | K | 9.4 | | 44.2 | 48.5 | | 8.6 | | 42.7 | 24.1 | |
| 9.3 | | 50.7 | 39.4 | | 7.6 | | 26 9.2 | 57.6 | K | 9.1 | | 23.9 | 54.1 | B | 9.4 | | 45.3 | 36.5 | | 9.5 | | 19 3.9 | 55.3 | |
| 9.4 | | 57.5 | 41.1 | | 7.6 | | 15.3 | 16.7 | K | 9.3 | | 24.9 | 52.7 | | 9.2 | | 51.9 | 51.9 | | 8.5 | | 5.4 | 44.7 | |
| 9.4 | | 6 14.5 | 6.5 | | 9.3 | | 27 49.0 | 3.3 | aB | 8.3 | | 31.0 | 10.0 | K | 9.5 | | 58.5 | 11.8 | | 8.8 | | 26.1 | 21.7 | |
| 9.3 | | 34.9 | 15.8 | | 9.4 | | 28 15.7 | 8.8 | | 9.5 | | 32.8 | 13.0 | | 8.6 | | 8 2.9 | 57.7 | | 9.1 | | 29.4 | 11.3 | |
| 9.0 | | 7 5.0 | 55.6 | | 8.4 | | 29 24.0 | 22.9 | K | 9 2 | | 55 4.8 | 6.8 | B | 9.1 | | 38.5 | 43.8 | | 8.9 | | 32.8 | 1.6 | K |
| 9.2 | | 18.4 | 6.3 | *b* | 9.0 | | 30 26.3 | 9.8 | | 6.6 | | 13.6 | 6.8 | K | 9.1 | | 46.1 | 33.2 | aB | 9.4 | | 40.6 | 52.9 | |
| 9.5 | | 36.0 | 12.0 | B | 8.2 | | 44.9 | 50.8 | K*b* | 9.2 | | 44.1 | 9.5 | | 8.4 | | 51.8 | 36.4 | K | 9.5 | | 41.9 | 26.1 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *38.11* | *1.66* | | *10pr.* | | *38.39* | *1.45* | | *10pr.* | | *38.79* | *1.07* | | *10pr.* | | *38.99* | *0.80* | | *10pr.* | | *39.08* | *0.65* | |

| 1001—1060 | | | | 1061—1120 | | | | 1121—1180 | | | | 1181—1240 | | | | 1241—1300 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ʰ | +32° | | | 5ʰ | +32° | | | 5ʰ | +32° | | | 5ʰ—6ʰ | +32° | | | 6ʰ | +32° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 9.5 | 19 | 45.4 | 43.8 | | 8.7 | 30 | 54.4 | 29.0 | 8.7 | 44 | 59.3 | 28.1 | K | 9.5 | 55 | 59.2 | 31.0 | | 9.3 | 7 | 55.8 | 58.2 | |
| 9.5 | | 48.0 | 57.0 | | 8.6 | 31 | 13.8 | 1.6 | 9.5 | 45 | 27.2 | 44.9 | | 9.4 | 56 | 18.0 | 16.9 | | 9.5 | 8 | 0.5 | 24.8 | |
| 7.4 | | 52.8 | 4.8 | K | 9.2 | | 16.2 | 51.2 | 9.5 | | 35.4 | 32.0 | | 8.6 | | 43.3 | 19.7 | K | 8.0 | | 2.3 | 18.8 | K |
| 9.5 | | 59.9 | 23.3 | | 7.0 | | 27.5 | 48.7 | P | 9.5 | 46 | 31.8 | 41.3 | | 7.0 | | 48.8 | 0.3 | K | 9.2 | | 14.2 | 38.3 | |
| 9.3 | 20 | 5.8 | 55.7 | B | 9.1 | | 40.2 | 38.6 | | 9.1 | | 35.4 | 53.6 | K | 9.5 | | 49.3 | 44.9 | | 9.4 | | 22.3 | 16.4 | |
| 9.4 | | 18.4 | 30.9 | | 8.7 | | 44.1 | 49.0 | | 9.5 | | 54.4 | 48.7 | | 9.5 | 57 | 10.3 | 52.5 | | 8.0 | | 22.8 | 32.7 | K |
| 9.3 | | 31.9 | 25.0 | | 9.1 | 32 | 27.4 | 24.1 | K | 9.5 | | 57.4 | 38.8 | | 9.2 | | 22.1 | 39.4 | *b* | 9.0 | | 24.7 | 56.2 | K |
| 9.5 | | 34.3 | 11.7 | | 9.5 | | 38.0 | 40.6 | | 9.4 | | 59.4 | 38.1 | | 9.5 | | 36.2 | 29.5 | | 9.2 | | 44.3 | 13.0 | |
| 9.4 | | 44.4 | 35.9 | | 9.1 | 33 | 43.9 | 12.0 | K | 9.4 | 47 | 3.2 | 55.1 | | 9.3 | | 36.5 | 15.4 | | 9.5 | | 50.0 | 21.9 | |
| 9.4 | | 49.1 | 55.2 | | 9.5 | | 51.3 | 0.0 | | 8.9 | | 7.9 | 3.2 | K | 8.4 | | 43.3 | 12.7 | K | 9.1 | | 51.4 | 37.2 | |
| 9.2 | | 55.8 | 1.1 | | 9.2 | | 53.8 | 11.7 | | 9.0 | | 16.7 | 27.9 | B | 9.3 | 58 | 20.1 | 56.4 | | 8.8 | 9 | 7.8 | 21.4 | |
| 9.4 | 21 | 5.9 | 32.0 | | 9.5 | 34 | 10.7 | 11.5 | | 9.5 | | 17.4 | 37.4 | | 9.5 | | 34.4 | 47.2 | | 9.5 | | 18.3 | 36.5 | |
| 9.5 | | 14.4 | 56.0 | | 9.5 | | 26.5 | 53.0 | | 9.5 | | 24.5 | 26.6 | | 9.5 | | 45.8 | 54.4 | | 9.1 | | 41.4 | 47.8 | *b* |
| 9.5 | 22 | 0.8 | 3.5 | B | 9.5 | | 33.2 | 20.0 | | 9.4 | | 27.3 | 0.8 | *a* | 9.5 | | 49.0 | 52.7 | | 9.5 | | 50.7 | 17.7 | |
| 9.5 | | 5.3 | 31.1 | | 9.5 | | 44.1 | 56.4 | | 8.3 | | 42.6 | 53.4 | K | 9.4 | 59 | 10.3 | 9.0 | | 9.4 | 10 | 0.2 | 35.5 | |
| 9.0 | | 14.9 | 21.0 | K | 8.0 | 35 | 0.4 | 10.2 | L | 8.0 | | 46.4 | 39.8 | K | 9.5 | | 37.0 | 34.9 | | 9.5 | | 27.3 | 38.7 | |
| 9.1 | | 16.4 | 15.3 | | 8.3 | | 23.4 | 19.6 | S | 9.4 | | 57.8 | 7.9 | | 9.5 | | 59.0 | 25.5 | | 9.5 | | 33.3 | 12.5 | |
| 9.5 | | 24.0 | 59.3 | | 9.3 | | 48.3 | 19.6 | | 9.3 | 48 | 14.3 | 27.7 | B | 9.5 | 0 | 1.3 | 9.7 | | 9.5 | | 37.1 | 4.1 | |
| 9.4 | | 25.4 | 49.9 | | 9.4 | 36 | 0.0 | 56.4 | | 9.5 | | 31.8 | 26.2 | | 9.0 | | 9.2 | 8.0 | | 9.0 | | 37.6 | 25.3 | |
| 9.4 | | 43.7 | 6.7 | | 9.1 | | 2.4 | 53.2 | K | 9.4 | | 47.4 | 37.0 | | 9.4 | | 16.5 | 13.4 | | 9.4 | 11 | 5.3 | 38.4 | |
| 9.3 | | 46.4 | 10.0 | | 9.4 | | 20.3 | 21.2 | | 9.3 | | 53.4 | 28.6 | | 9.0 | | 29.6 | 54.7 | | 9.5 | | 19.0 | 54.0 | |
| 9.5 | 23 | 0.3 | 29.5 | | 9.5 | | 47.9 | 25.6 | | 9.5 | 49 | 15.3 | 34.5 | | 9.3 | | 50.5 | 31.5 | | 9.5 | | 25.4 | 43.8 | |
| 9.4 | | 13.1 | 39.4 | | 7.8 | | 57.5 | 35.0 | K | 9.0 | | 22.4 | 48.8 | K | 9.5 | | 57.6 | 47.6 | | 9.1 | | 51.3 | 54.3 | |
| 4.8 | | 18.4 | 4.8 | K*b* | 9.5 | 37 | 2.3 | 42.9 | | 9.5 | | 35.2 | 30.6 | | 9.3 | 1 | 3.3 | 39.4 | | 8.5 | 12 | 0.6 | 27.8 | K*b* |
| 8.4 | | 29.2 | 33.0 | | 9.5 | | 29.3 | 39.7 | | 9.0 | | 57.5 | 58.8 | | 9.5 | | 8.5 | 9.0 | B | 8.5 | | 3.4 | 47.6 | |
| 9.4 | | 33.7 | 14.2 | *a* | 9.4 | | 36.9 | 56.9 | | 8.7 | 50 | 1.4 | 52.3 | K | 9.5 | | 10.4 | 45.4 | | 9.4 | | 14.5 | 57.9 | |
| 6.7 | | 48.4 | 11.3 | K | 8.9 | | 50.3 | 16.7 | | 9.2 | | 3.5 | 11.7 | | 9.5 | | 11.2 | 30.7 | | 8.5 | | 23.8 | 0.4 | K |
| 6.7 | | 58.4 | 41.7 | K | 8.8 | 38 | 34.9 | 47.6 | K*b* | 8.0 | | 6.1 | 47.0 | K | 7.4 | | 12.9 | 4.1 | L | 8.0 | 13 | 5.3 | 49.7 | K |
| 9.4 | 24 | 11.9 | 6.2 | | 9.5 | | 39.4 | 11.8 | | 9.3 | | 17.4 | 24.0 | | 9.4 | | 33.3 | 18.6 | | 9.5 | | 20.7 | 58.6 | |
| 7.0 | | 14.4 | 38.3 | K | 9.4 | | 51.3 | 30.8 | | 9.4 | | 33.3 | 38.1 | | 9.4 | | 36.2 | 30.0 | | 9.2 | | 24.8 | 25.0 | |
| 9.5 | | 16.3 | 52.4 | | 9.3 | 39 | 0.1 | 43.2 | | 9.4 | | 34.0 | 11.2 | | 9.5 | | 43.7 | 45.5 | | 9.5 | | 30.9 | 32.0 | |
| 9.4 | | 27.8 | 21.5 | | 9.5 | | 19.4 | 7.4 | | 9.4 | 51 | 4.7 | 9.6 | | 9.3 | | 44.3 | 39.0 | | 9.5 | | 42.5 | 26.1 | |
| 9.5 | 25 | 3.0 | 38.3 | | 9.4 | | 32.4 | 45.4 | | 9.3 | | 6.1 | 50.0 | | 9.4 | 2 | 15.2 | 34.5 | | 9.1 | | 43.4 | 35.2 | |
| 9.5 | | 28.9 | 55.1 | *a* | 8.7 | | 35.5 | 57.8 | K | 9.3 | | 14.5 | 20.1 | | 9.4 | | 15.6 | 43.9 | | 9.5 | | 57.0 | 17.9 | |
| 9.3 | | 42.1 | 54.2 | K | 9.4 | | 40.2 | 24.0 | | 8.5 | | 17.4 | 6.5 | L | 9.4 | | 17.3 | 52.5 | | 8.8 | 14 | 11.5 | 24.1 | |
| 9.4 | | 44.9 | 23.2 | K*b* | 9.4 | 40 | 0.0 | 32.8 | | 9.0 | | 32.7 | 13.0 | | 9.5 | | 43.3 | 56.0 | | 9.3 | | 14.3 | 10.1 | |
| 8.7 | | 45.4 | 38.4 | L | 9.5 | | 15.2 | 22.8 | | 9.4 | | 49.1 | 57.4 | | 6.0 | | 50.3 | 43.4 | K | 8.2 | | 24.3 | 25.1 | K |
| 9.5 | | 45.8 | 29.8 | | 8.9 | | 15.4 | 55.5 | K*b* | 7.2 | | 54.4 | 37.4 | K | 8.9 | | 51.3 | 9.1 | K | 8.9 | | 25.5 | 41.4 | |
| 9.3 | | 50.3 | 48.6 | | 9.0 | | 20.9 | 55.5 | K | 9.2 | | 57.4 | 10.3 | | 9.2 | 3 | 0.2 | 25.4 | | 9.4 | | 51.3 | 11.3 | |
| 9.5 | | 57.1 | 24.1 | | 9.5 | | 21.6 | 35.0 | | 8.5 | 52 | 13.3 | 17.2 | K | 9.4 | | 3.4 | 30.0 | | 9.3 | | 58.1 | 39.5 | |
| 9.4 | 26 | 5.9 | 54.5 | | 9.3 | | 35.0 | 11.0 | | 9.5 | | 17.3 | 5.5 | B | 9.4 | | 8.1 | 55.3 | | 9.5 | 15 | 17.0 | 50.3 | |
| 9.1 | | 8.3 | 41.9 | K | 8.8 | | 48.9 | 6.8 | K | 9.4 | | 27.9 | 19.5 | | 9.2 | 4 | 0.9 | 33.6 | | 9.4 | | 21.7 | 54.3 | B |
| 9.5 | | 19.3 | 58.5 | | 9.4 | | 50.3 | 20.4 | | 8.9 | | 49.4 | 11.5 | K | 9.4 | | 18.0 | 32.4 | | 9.5 | | 25.6 | 53.5 | |
| 9.3 | | 19.4 | 26.6 | | 8.8 | | 54.4 | 49.8 | K | 8.4 | 53 | 2.2 | 46.3 | L | 9.5 | | 17.2 | 15.2 | | 9.0 | | 27.3 | 13.8 | |
| 9.3 | | 45.2 | 47.8 | | 9.3 | 41 | 10.7 | 23.0 | | 7.1 | | 7.8 | 34.9 | K | 9.5 | | 27.5 | 13.6 | B | 9.5 | | 29.9 | 0.5 | |
| 9.5 | | 45.7 | 51.3 | | 9.2 | | 16.9 | 19.5 | B | 6.5 | | 23.9 | 38.3 | K | 8.9 | | 58.4 | 30.6 | | 9.5 | | 40.7 | 16.6 | B |
| 9.4 | | 53.8 | 41.4 | | 8.4 | | 28.4 | 9.0 | K | 9.0 | | 27.4 | 47.0 | | 9.2 | 5 | 0.0 | 29.0 | | 7.5 | | 45.3 | 21.0 | K |
| 8.7 | | 55.4 | 14.0 | K | 9.5 | | 29.2 | 57.7 | | 9.2 | | 35.3 | 0.4 | | 9.5 | | 12.3 | 8.7 | | 9.3 | | 49.0 | 32.2 | |
| 9.4 | 27 | 35.3 | 39.4 | | 6.6 | | 59.4 | 4.9 | K | 9.5 | | 47.2 | 7.4 | | 9.0 | | 16.4 | 53.0 | | 9.5 | | 55.6 | 53.0 | |
| 9.2 | | 44.9 | 12.7 | | 9.5 | 42 | 0.8 | 14.3 | | 9.2 | | 51.3 | 2.7 | | 9.5 | | 43.1 | 54.7 | | 9.5 | | 57.3 | 39.9 | |
| 9.5 | | 46.2 | 24.1 | | 8.8 | | 27.4 | 11.8 | K | 9.2 | | 53.3 | 15.3 | | 9.5 | 6 | 1.5 | 59.7 | | 8.9 | 16 | 26.4 | 52.2 | |
| 9.5 | | 56.3 | 12.7 | | 9.4 | | 33.7 | 28.1 | | 9.2 | 54 | 11.2 | 20.4 | | 9.5 | | 18.6 | 59.7 | | 8.7 | | 30.3 | 33.4 | K |
| 9.0 | | 58.4 | 9.4 | | 9.0 | | 49.9 | 30.6 | B | 9.4 | | 25.3 | 32.0 | | 9.0 | | 38.0 | 59.9 | | 9.2 | | 46.8 | 35.4 | |
| 9.3 | 28 | 7.4 | 2.5 | | 9.5 | | 54.4 | 40.9 | | 9.5 | | 30.2 | 44.6 | | 8.0 | | 44.5 | 56.8 | L | 9.5 | | 58.0 | 15.6 | |
| 9.4 | | 35.8 | 11.1 | | 9.4 | 43 | 17.3 | 31.6 | | 9.1 | | 33.3 | 53.6 | | 9.4 | | 54.3 | 14.4 | | 9.4 | 17 | 11.8 | 15.0 | |
| 9.5 | | 53.9 | 46.4 | | 9.3 | | 18.6 | 30.5 | B | 9.4 | | 41.1 | 0.4 | , | 9.4 | 7 | 2.5 | 24.1 | | 9.4 | | 13.3 | 25.0 | |
| 9.5 | | 55.1 | 48.9 | | 9.5 | | 28.4 | 43.1 | | 9.5 | 55 | 15.6 | 59.5 | | 9.3 | | 11.0 | 47.7 | *a* | 9.5 | | 17.6 | 29.6 | |
| 8.0 | 29 | 9.3 | 35.0 | K | 8.7 | | 49.4 | 8.5 | K | 8.8 | | 23.3 | 11.0 | | 8.4 | | 15.3 | 17.6 | K | 9.1 | | 37.0 | 59.4 | |
| 7.7 | | 14.0 | 23.4 | K | 8.8 | 44 | 3.2 | 14.7 | K | 9.2 | | 33.3 | 39.9 | *b* | 9.0 | | 47.5 | 47.2 | | 9.4 | | 48.0 | 15.4 | |
| 9.4 | | 36.1 | 33.2 | | 9.5 | | 20.7 | 41.4 | | 9.4 | | 41.5 | 46.3 | | 9.0 | | 55.3 | 45.2 | | 6.5 | 18 | 5.5 | 38.6 | K |
| | | + | + | | | | + | + | | | + | + | | | | + | — | | | | + | — | |
| 10pr. | | 39.14 | 0.52 | | 10pr. | | 39.21 | 0.31 | | 10pr. | | 39.23 | 0.14 | | 10pr. | | 39.24 | 0.02 | | 10pr. | | 39.22 | 0.20 | |

1301—1360

| m | 6ʰ | +32° | |
|---|---|---|---|
| 9.0 | 18′ 11.8 | 42.3 | K |
| 8.4 | 23.1 | 57.4 | K |
| 9.5 | 54.5 | 5.3 | |
| 8.3 | 19 1.3 | 13.2 | R |
| 9.5 | 35.2 | 37.9 | |
| 8.4 | 35.9 | 30.5 | |
| 9.5 | 20 0.8 | 42.3 | |
| 8.8 | 22.8 | 31.5 | K |
| 9.1 | 27.9 | 49.8 | |
| 9.3 | 34.8 | 24.6 | |
| 8.6 | 40.4 | 52.5 | K |
| 9.2 | 53.8 | 57.4 | |
| 9.5 | 59.3 | 8.0 | |
| 8.4 | 21 9.3 | 52.0 | K |
| 9.4 | 18.5 | 1.8 | |
| 8.1 | 29.3 | 54.4 | K |
| 9.1 | 48.4 | 39.6 | |
| 9.5 | 50.5 | 29.5 | |
| 8.2 | 55.2 | 12.7 | K |
| 6.8 | 22 10.3 | 15.4 | K |
| 9.5 | 24.8 | 45.8 | |
| 9.3 | 52.6 | 46.8 | |
| 8.8 | 59.4 | 55.2 | R |
| 5.8 | 59.4 | 33.0 | K |
| 9.2 | 23 9.3 | 54.7 | R |
| 9.0 | 19.7 | 47.3 | |
| 9.5 | 40.3 | 33.2 | |
| 9.5 | 50.8 | 9.0 | B |
| 9.1 | 24 14.3 | 20.8 | K |
| 9.2 | 17.0 | 51.7 | aB |
| 8.8 | 32.3 | 10.0 | R |
| 9.3 | 33.1 | 1.2 | |
| 9.3 | 50.9 | 37.5 | B |
| 9.0 | 25 3.3 | 31.0 | |
| 9.5 | 20.2 | 54.7 | |
| 9.5 | 21.4 | 22.3 | |
| 9.4 | 26 0.3 | 48.5 | |
| 7.8 | 8.5 | 40.8 | L |
| 8.9 | 11.3 | 48.7 | Rb |
| 9.3 | 26.0 | 15.8 | |
| 9.5 | 26.8 | 7.7 | |
| 9.3 | 28.7 | 25.5 | B |
| 7.3 | 31.4 | 24.3 | L |
| 8.4 | 34.3 | 45.0 | L |
| 9.5 | 49.6 | 1.2 | |
| 9.5 | 27 4.3 | 12.6 | |
| 9.1 | 4.4 | 15.8 | R |
| 9.5 | 12.5 | 32.5 | |
| 9.4 | 14.1 | 1.3 | |
| 8.5 | 40.3 | 51.5 | Kb |
| 9.5 | 53.8 | 14.7 | |
| 9.3 | 58.2 | 22.2 | B |
| 9.5 | 28 25.3 | 22.6 | |
| 8.6 | 43.8 | 37.4 | K |
| 9.1 | 46.6 | 0.3 | |
| 9.3 | 29 3.2 | 12.2 | |
| 9.5 | 5.5 | 18.4 | |
| 9.5 | 13.6 | 57.9 | |
| 9.4 | 35.7 | 12.7 | |
| 9.5 | 42.0 | 10.7 | |
| | + | — | |
| 10pr. | 39.19 | 0.36 | |

1361—1420

| m | 6ʰ | +32° | |
|---|---|---|---|
| 9.5 | 30′ 11.1 | 12.0 | |
| 9.5 | 12.3 | 36.4 | |
| 9.1 | 12.8 | 4.0 | b |
| 9.5 | 19.8 | 17.7 | |
| 9.5 | 32.2 | 1.0 | |
| 9.2 | 53.3 | 52.4 | K |
| 9.4 | 56.3 | 40.1 | |
| 9.3 | 31 23.0 | 7.4 | |
| 9.2 | 38.3 | 46.5 | |
| 8.2 | 41.5 | 32.5 | L |
| 9.5 | 32 8.7 | 16.7 | |
| 7.5 | 19.5 | 45.8 | L |
| 9.0 | 24.8 | 24.1 | |
| 9.5 | 25.4 | 46.6 | |
| 9.3 | 44.3 | 3.9 | |
| 9.4 | 59.9 | 40.0 | |
| 8.7 | 33 9.2 | 37.2 | K |
| 6.6 | 16.8 | 41.9 | K |
| 9.5 | 26.2 | 22.3 | |
| 9.4 | 28.8 | 50.7 | B |
| 9.5 | 35.0 | 14.9 | |
| 9.5 | 48.2 | 58.6 | |
| 9.5 | 55.7 | 44.5 | |
| 9.5 | 34 6.8 | 31.4 | |
| 9.2 | 22.3 | 37.3 | |
| 9.5 | 48.6 | 59.5 | |
| 9.2 | 51.6 | 59.4 | |
| 9.4 | 35 2.0 | 3.8 | |
| 8.0 | 11.4 | 6.9 | B |
| 9.2 | 41.3 | 54.9 | |
| 9.4 | 43.6 | 0.1 | |
| 9.3 | 55.1 | 57.5 | |
| 9.5 | 55.9 | 27.2 | |
| 9.3 | 36 2.4 | 7.9 | |
| 8.7 | 19.3 | 12.7 | L |
| 9.4 | 25.0 | 15.2 | |
| 9.3 | 28.8 | 53.7 | B |
| 8.5 | 42.3 | 41.9 | K |
| 9.3 | 47.2 | 28.0 | |
| 9.1 | 37 37.6 | 3.8 | |
| 9.3 | 55.0 | 55.2 | |
| 9.5 | 38 28.1 | 21.3 | B |
| 9.5 | 28.1 | 16.8 | |
| 9.3 | 41.2 | 5.2 | B |
| 9.3 | 45.3 | 40.1 | |
| 8.7 | 49.0 | 2.6 | K |
| 9.4 | 54.4 | 20.9 | |
| 9.5 | 58.1 | 25.3 | |
| 9.2 | 39 9.3 | 43.3 | K |
| 9.5 | 20.7 | 29.7 | |
| 9.0 | 45.3 | 27.5 | |
| 9.2 | 46.6 | 10.0 | |
| 9.5 | 40 6.2 | 25.3 | |
| 5.8 | 14.3 | 45.6 | K |
| 9.2 | 16.3 | 50.5 | |
| 8.3 | 22.2 | 16.7 | K |
| 9.5 | 41 8.0 | 21.8 | |
| 8.3 | 20.0 | 55.1 | K |
| 9.1 | 28.9 | 5.3 | K |
| 9.1 | 51.8 | 6.1 | K |
| | + | — | |
| 10pr. | 39.14 | 0.52 | |

1421—1480

| m | 6ʰ | +32° | |
|---|---|---|---|
| 7.8 | 41′ 55.5 | 19.3 | K |
| 9.5 | 58.4 | 42.7 | |
| 9.5 | 42 14.5 | 35.1 | |
| 8.8 | 43 0.4 | 57.8 | K |
| 9.3 | 14.0 | 45.9 | |
| 9.5 | 15.7 | 0.7 | |
| 9.5 | 19.6 | 54.3 | |
| 9.4 | 21.4 | 1.0 | |
| 9.5 | 29.5 | 47.2 | |
| 9.5 | 43.7 | 21.4 | |
| 9.1 | 44 25.6 | 23.1 | |
| 9.2 | 26.5 | 16.9 | |
| 7.0 | 41.3 | 41.3 | K |
| 8.6 | 46.6 | 28.9 | K |
| 9.3 | 50.4 | 41.6 | B |
| 8.9 | 54.7 | 36.9 | |
| 8.0 | 45 27.9 | 40.3 | K |
| 9.5 | 47.5 | 52.8 | |
| 9.5 | 46 20.8 | 39.8 | |
| 9.2 | 40.4 | 34.8 | |
| 8.7 | 45.4 | 5.8 | |
| 8.6 | 52.7 | 36.4 | K |
| 9.2 | 57.3 | 40.8 | |
| 9.5 | 47 10.4 | 56.5 | |
| 9.5 | 18.4 | 56.7 | |
| 9.5 | 36.3 | 50.8 | |
| 8.3 | 40.8 | 26.9 | Kb |
| 9.1 | 48 16.6 | 2.3 | K |
| 9.3 | 55.5 | 32.9 | K |
| 9.0 | 58.7 | 46.0 | |
| 9.5 | 49 19.5 | 10.1 | |
| 9.5 | 50 4.9 | 4.2 | |
| 9.4 | 11.3 | 33.9 | |
| 9.5 | 53.8 | 19.4 | |
| 9.0 | 51 22.2 | 15.1 | K |
| 9.2 | 22.7 | 8.5 | K |
| 9.3 | 23.3 | 28.4 | |
| 8.3 | 40.1 | 37.3 | K |
| 9.3 | 49.3 | 52.2 | |
| 6.8 | 51.6 | 35.3 | K |
| 8.3 | 52 38.2 | 8.0 | K |
| 9.2 | 38.4 | 35.2 | aB |
| 9.3 | 40.1 | 20.9 | |
| 9.1 | 49.0 | 6.2 | |
| 8.8 | 49.1 | 37.3 | K |
| 9.3 | 53 6.6 | 14.5 | |
| 9.5 | 54 2.3 | 33.4 | |
| 9.4 | 28.6 | 43.6 | |
| 9.2 | 38.1 | 38.8 | |
| 9.1 | 42.1 | 29.3 | Kb |
| 9.5 | 55 0.8 | 5.5 | |
| 9.3 | 14.1 | 19.3 | aB |
| 9.4 | 19.3 | 14.4 | |
| 9.5 | 57.6 | 52.3 | |
| 9.1 | 58.5 | 6.8 | b |
| 9.2 | 56 30.0 | 15.9 | |
| 9.4 | 57 7.1 | 5.2 | |
| 8.3 | 29.5 | 39.8 | L |
| 9.1 | 42.3 | 55.1 | K |
| 9.0 | 45.8 | 19.2 | K |
| | + | — | |
| 10pr. | 39.05 | 0.71 | |

1481—1540

| m | 6ʰ—7ʰ | +32° | |
|---|---|---|---|
| 9.3 | 57′ 46.5 | 30.3 | |
| *9.1 | 58 39.1 | 55.1 | aB |
| 9.5 | 53.6 | 25.9 | B |
| 9.4 | 59 0.5 | 11.0 | aB |
| 9.4 | 0.7 | 51.6 | |
| 8.5 | 15.9 | 49.1 | K |
| 9.5 | 19.3 | 21.8 | |
| 9.5 | 57.8 | 40.7 | |
| 9.5 | 0 6.3 | 8.5 | |
| 8.6 | 1 10.7 | 12.4 | K |
| 7.0 | 18.4 | 50.9 | K |
| 7.3 | 26.0 | 27.4 | K |
| 9.5 | 34.2 | 55.9 | |
| 9.3 | 36.9 | 54.1 | B |
| 8.7 | 47.2 | 23.0 | K |
| 9.5 | 47.6 | 3.0 | |
| 8.2 | 51.2 | 51.1 | K |
| 9.5 | 3 25.7 | 24.9 | |
| 9.5 | 34.4 | 29.9 | |
| 6.8 | 42.6 | 11.5 | K |
| 9.0 | 4 3.6 | 15.4 | K |
| 7.0 | 8.8 | 22.4 | K |
| 9.4 | 47.0 | 16.1 | aB |
| 9.0 | 50.8 | 55.2 | Kb |
| 9.4 | 5 25.7 | 36.3 | |
| 9.5 | 37.1 | 5.4 | a |
| 9.4 | 6 1.8 | 42.9 | |
| 9.4 | 22.8 | 6.4 | B |
| 9.5 | 29.9 | 7.2 | |
| 8.3 | 35.9 | 41.3 | Kb |
| 9.3 | 7 5.2 | 7.4 | |
| 9.5 | 18.3 | 35.1 | B |
| 9.0 | 20.5 | 9.6 | |
| 9.2 | 28.8 | 14.0 | |
| 8.5 | 29.5 | 10.8 | |
| 7.8 | 51.6 | 12.0 | L |
| 8.5 | 8 28.8 | 36.8 | |
| 9.4 | 40.3 | 7.0 | |
| 9.2 | 57.8 | 5.3 | |
| 9.2 | 9 30.8 | 36.3 | K |
| 9.5 | 57.9 | 57.8 | |
| 9.2 | 10 8.0 | 41.3 | |
| 9.4 | 54.8 | 4.2 | |
| 9.5 | 59.4 | 23.0 | B |
| 8.8 | 11 25.6 | 34.0 | |
| 9.2 | 12 0.7 | 0.4 | |
| *9.4 | 44.7 | 20.0 | aB |
| 9.5 | 13 6.0 | 41.3 | |
| 8.7 | 6.4 | 33.4 | K |
| 9.5 | 22.4 | 0.2 | |
| 9.4 | 42.5 | 2.5 | |
| 9.2 | 14 45.2 | 13.4 | b |
| 9.3 | 59.3 | 24.3 | |
| 9.5 | 15 5.1 | 12.0 | |
| 9.5 | 23.0 | 17.2 | |
| 8.9 | 26.5 | 52.0 | |
| 9.5 | 28.4 | 4.8 | |
| 9.4 | 51.3 | 27.5 | |
| 9.5 | 16 10.4 | 39.1 | |
| 9.1 | 14.3 | 30.5 | |
| | + | — | |
| 10pr. | 38.88 | 0.97 | |

1541—1600

| m | 7ʰ | +32° | |
|---|---|---|---|
| 8.8 | 16′ 32.3 | 25.5 | L |
| 9.1 | 38.3 | 34.1 | |
| 9.4 | 39.2 | 46.7 | |
| 8.5 | 45.1 | 23.4 | B |
| 7.2 | 48.1 | 10.7 | K |
| 9.5 | 55.8 | 46.8 | |
| 8.6 | 58.4 | 37.6 | K |
| 9.5 | 17 24.4 | 42.4 | |
| 9.4 | 24.6 | 38.4 | B |
| 8.8 | 38.4 | 2.1 | L |
| 9.3 | 43.2 | 13.0 | |
| 9.1 | 18 8.4 | 39.7 | |
| 9.5 | 18.7 | 51.0 | B |
| 9.5 | 23.7 | 19.7 | |
| 9.5 | 24.0 | 55.2 | |
| 9.1 | 19 4.4 | 19.2 | B |
| 9.0 | 11.3 | 24.9 | |
| 9.3 | 11.7 | 2.6 | B |
| 8.7 | 17.1 | 9.6 | K |
| 8.5 | 37.6 | 57.8 | |
| 8.0 | 41.2 | 16.8 | K |
| 5.0 | 47.1 | 4.2 | K |
| 9.1 | 52.3 | 28.0 | a |
| 8.8 | 58.3 | 25.3 | R |
| 9.4 | 20 9.2 | 44.5 | B |
| 9.3 | 21 45.2 | 19.9 | |
| 9.5 | 54.5 | 53.5 | |
| 9.3 | 57.2 | 3.6 | |
| 9.3 | 22 3.1 | 15.2 | |
| 9.0 | 15.3 | 32.5 | |
| 9.5 | 32.1 | 9.5 | |
| 9.5 | 43.1 | 10.2 | |
| 9.3 | 49.2 | 15.1 | |
| 9.5 | 23 42.2 | 18.1 | |
| 9.3 | 44.1 | 5.5 | |
| 8.7 | 59.7 | 20.6 | |
| 8.0 | 24 10.5 | 55.6 | K |
| 8.9 | 11.4 | 35.4 | |
| 9.5 | 38.1 | 5.8 | |
| 9.3 | 25 8.6 | 9.5 | |
| 1.7 | 20.7 | 11.9 | K |
| 8.6 | 22.1 | 10.5 | |
| 9.5 | 41.0 | 47.7 | |
| 8.6 | 41.2 | 56.8 | K |
| 9.3 | 26 8.3 | 30.5 | |
| 9.5 | 35.0 | 45.2 | |
| 9.4 | 43.3 | 28.8 | |
| 9.5 | 51.5 | 9.8 | |
| 9.3 | 28 1.4 | 39.4 | |
| 9.5 | 19.4 | 39.6 | |
| 9.4 | 45.5 | 4.5 | |
| 7.5 | 52.4 | 45.5 | Kb |
| 8.8 | 29 2.7 | 20.5 | |
| 9.5 | 57.8 | 32.6 | |
| 9.4 | 30 9.1 | 8.4 | |
| 9.2 | 12.6 | 59.3 | |
| 9.5 | 25.1 | 42.2 | |
| 9.5 | 26.5 | 41.4 | aB |
| 7.0 | 37.2 | 19.8 | Kb |
| 9.5 | 31 6.6 | 0.2 | |
| | + | — | |
| 10pr. | 38.70 | 1.17 | |

1481 a
9.5 | 58 23.7 | 26.0 | B

1481 b
9.1 | 58 23.9 | 56.3 | B

1526 a
8.0 | 12 15.6 | 18.4 | L

| 1601—1660 | | | | 1661—1720 | | | | 1721—1780 | | | | 1781—1840 | | | | 1841—1900 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ | +32° | | | 7ᵘ—8ᵘ | +32° | | | 8ᵘ | +32° | | | 8ᵘ | +32° | | | 8ᵘ—9ᵘ | +32° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 9.5 | 31′ 13.1 | 7.4 | | 9.3 | 51′ 39.5 | 7.9 | a | 8.7 | 11′ 33.9 | 51.9 | | 9.2 | 34′ 59.9 | 8.5 | | 9.3 | 57′ 16.9 | 55.7 | |
| 9.3 | 36.4 | 44.3 | | 9.5 | 50.8 | 36.6 | | 8.0 | 12 20.6 | 55.7 | K | 6.8 | 35 17.5 | 34.9 | aK | 9.5 | 59 48.7 | 56.0 | |
| 9.4 | 52.2 | 58.1 | | 9.2 | 52.4 | 6.7 | B | 8.7 | 42.2 | 59.0 | K | 9.0 | 39.1 | 22.1 | | 9.2 | 0 30.1 | 52.2 | aB |
| 9.4 | 58.3 | 0.5 | aB | 9.4 | 52 15.8 | 0.6 | | 7.6 | 13 56.1 | 3.7 | K | 9.0 | 42.0 | 47.3 | | 9.5 | 56.5 | 55.7 | |
| 9.5 | 32 8.2 | 23.9 | | 9.0 | 17.5 | 7.5 | K | 7.0 | 14 47.0 | 46.1 | Kb | 9.5 | 36 4.1 | 16.6 | | 8.3 | 59.3 | 42.8 | K |
| 9.5 | 10.3 | 30.5 | | 8.0 | 36.4 | 32.8 | K | 9.2 | 15 36.7 | 3.4 | | 9.5 | 4.4 | 56.1 | | 9.1 | 2 33.6 | 44.2 | |
| 9.5 | 27.0 | 6.2 | | 8.4 | 53 32.6 | 34.5 | K | 9.3 | 42.1 | 53.1 | | 9.5 | 57.1 | 5.4 | B | 8.9 | 44.1 | 55.8 | K |
| 9.5 | 42.1 | 7.0 | | 9.3 | 54 18.4 | 2.3 | | 7.8 | 50.9 | 43.0 | K | 9.2 | 37 16.8 | 45.1 | | 9.5 | 4 31.9 | 7.7 | |
| 8.5 | 55.4 | 38.2 | K | 9.5 | 32.5 | 49.4 | | 9.5 | 16 42.0 | 9.6 | | 9.4 | 38 35.5 | 55.8 | | 9.5 | 40.7 | 57.3 | |
| 9.2 | 33 33.1 | 19.7 | B | 9.5 | 56 1.7 | 0.9 | | 9.5 | 17 8.3 | 17.3 | | 9.0 | 48.7 | 17.9 | B | 9.3 | 56.0 | 2.3 | |
| 8.7 | 39.5 | 21.1 | K | 8.5 | 5.0 | 20.8 | K | 8.8 | 52.5 | 39.4 | L | 9.1 | 39 39.5 | 5.3 | | 9.3 | 59.0 | 9.5 | |
| 9.5 | 34 2.0 | 8.2 | B | 8.5 | 14.5 | 22.8 | K | 8.3 | 53.8 | 41.8 | K | 9.4 | 40 15.6 | 25.5 | | 9.5 | 5 15.8 | 10.1 | |
| 7.8 | 12.0 | 46.2 | K | 9.2 | 18.9 | 34.6 | B | 9.5 | 18 6.3 | 7.5 | | 9.5 | 20.7 | 58.4 | | 9.1 | 39.6 | 41.0 | b |
| 9.5 | 38.1 | 13.2 | | 8.8 | 21.5 | 54.4 | K | 8.9 | 35.6 | 31.1 | | 9.4 | 41 51.6 | 28.1 | | 9.5 | 6 1.9 | 8.1 | |
| 8.3 | 35 27.6 | 40.3 | K | 9.5 | 23.5 | 34.7 | B | 9.5 | 45.5 | 18.5 | | 8.9 | 55.8 | 53.3 | | 9.5 | 43.5 | 24.2 | aB |
| 9.4 | 38.4 | 1.0 | | 9.4 | 35.6 | 13.1 | | 9.5 | 46.3 | 38.7 | | 8.8 | 42 26.1 | 16.3 | | 9.1 | 7 40.6 | 26.8 | Kb |
| 9.5 | 36 16.5 | 32.8 | | 8.1 | 43.5 | 50.3 | K | 8.4 | 19 10.8 | 41.7 | | 9.3 | 31.4 | 43.2 | | 8.3 | 50.3 | 46.4 | K |
| 9.4 | 24.1 | 48.5 | | 9.2 | 58.0 | 9.3 | | 8.5 | 16.7 | 6.1 | | 9.2 | 33.5 | 34.4 | aB | 9.5 | 8 45.7 | 14.2 | |
| 8.7 | 36.4 | 10.2 | B | 9.3 | 57 1.3 | 37.6 | | 8.9 | 20 1.6 | 15.8 | | 9.2 | 42.8 | 30.9 | | 9.3 | 9 12.1 | 21.1 | |
| 8.5 | 37 54.1 | 17.4 | K | 9.3 | 13.6 | 44.5 | | 9.4 | 23.1 | 6.9 | | 9.5 | 43 8.1 | 37.7 | | 9.5 | 18.7 | 59.7 | aB |
| 8.8 | 38 15.7 | 3.9 | | 8.8 | 29.5 | 35.5 | | 7.5 | 35.0 | 32.9 | K | 9.3 | 15.6 | 22.5 | | 9.0 | 10 6.8 | 55.0 | |
| 9.0 | 40.1 | 39.8 | | 9.1 | 30.6 | 25.5 | | 9.5 | 59.0 | 54.6 | | 9.2 | 44 5.7 | 53.5 | | 9.3 | 11 46.1 | 33.7 | |
| 9.3 | 47.0 | 50.3 | | 8.2 | 53.4 | 50.7 | K | 9.4 | 21 24.6 | 38.3 | | 9.5 | 45.0 | 4.6 | | 9.5 | 12 6.1 | 33.7 | |
| 9.5 | 39 15.6 | 6.4 | | 9.4 | 58 32.6 | 8.5 | | 9.5 | 22 1.8 | 55.2 | | 9.3 | 56.6 | 27.6 | aB | 9.5 | 8.2 | 46.0 | |
| 9.4 | 20.8 | 37.2 | | 9.5 | 50.5 | 9.0 | | 9.0 | 1.8 | 45.3 | | 8.7 | 45 47.1 | 32.0 | K | 7.0 | 55.7 | 52.5 | L |
| 9.0 | 40.9 | 50.0 | | 9.5 | 59 29.5 | 54.0 | | 8.5 | 22.6 | 24.9 | K | 9.5 | 46 0.2 | 52.5 | | 9.5 | 13 25.3 | 31.4 | |
| 8.8 | 40 18.1 | 36.2 | K | 9.1 | 54.8 | 59.3 | | 9.0 | 25.5 | 24.7 | K | 9.1 | 26.6 | 45.6 | | 9.4 | 26.5 | 4.3 | |
| 9.5 | 59.7 | 31.5 | | 9.5 | 0 4.7 | 49.0 | | 9.5 | 25.7 | 49.1 | | 9.4 | 48.1 | 28.6 | | 8.5 | 31.6 | 28.6 | K |
| 9.4 | 41 12.3 | 27.7 | B | 9.1 | 14.8 | 11.1 | b | 9.4 | 36.5 | 14.3 | B | 9.5 | 47 11.8 | 49.9 | B | 9.4 | 14 59.1 | 4.9 | |
| 9.4 | 24.0 | 58.0 | | 6.8 | 20.6 | 38.4 | K | 9.5 | 23 7.6 | 23.9 | a | 9.5 | 12.9 | 4.0 | | 8.1 | 15 11.1 | 49.0 | Kb |
| 9.4 | 26.8 | 10.9 | | 9.5 | 59.6 | 22.8 | | 7.5 | 12.4 | 38.8 | L | 7.2 | 48 24.1 | 59.8 | K | 9.5 | 15.0 | 38.0 | |
| 9.4 | 27.0 | 23.2 | | 9.1 | 1 19.7 | 49.3 | K | 8.5 | 30.0 | 56.4 | K | 9.0 | 24.4 | 8.2 | | 9.0 | 43.9 | 10.7 | |
| 8.8 | 42 6.2 | 50.9 | | 9.2 | 22.0 | 12.6 | | 9.5 | 52.5 | 11.9 | | 9.3 | 45.2 | 23.7 | | 9.2 | 50.4 | 5.0 | |
| 8.9 | 43 22.1 | 23.4 | K | 9.1 | 44.6 | 24.0 | b | 9.2 | 24 25.1 | 56.5 | | 8.5 | 52.5 | 3.3 | | 8.8 | 16 13.5 | 45.1 | K |
| 9.5 | 46.8 | 6.2 | | 6.7 | 2 33.9 | 54.6 | K | 9.4 | 25 37.7 | 3.2 | | 9.5 | 49 17.6 | 47.8 | | 9.3 | 14.2 | 46.7 | |
| 9.5 | 57.0 | 40.8 | ? | 9.2 | 3 14.4 | 30.9 | aB | 9.4 | 26 7.1 | 2.0 | | 7.7 | 46.5 | 54.9 | K | 8.8 | 17.9 | 55.8 | |
| 8.3 | 44 1.8 | 34.0 | K | 9.5 | 29.6 | 0.2 | | 9.4 | 12.8 | 23.0 | a | 8.2 | 50 15.1 | 28.6 | K | 9.5 | 28.6 | 10.5 | |
| 9.4 | 8.1 | 34.1 | | 9.5 | 4 4.0 | 38.8 | | 9.5 | 13.2 | 52.0 | | 9.2 | 30.2 | 56.7 | aB | 9.5 | 41.7 | 20.3 | |
| 9.5 | 8.9 | 57.8 | B | 8.9 | 5 50.8 | 36.0 | | 9.5 | 45.0 | 39.0 | | 9.0 | 30.6 | 43.6 | | 9.3 | 52.3 | 56.5 | |
| 8.0 | 37.5 | 42.7 | K | 8.2 | 6 0.1 | 16.5 | L | 8.5 | 55.9 | 18.8 | K | 8.7 | 31.3 | 59.3 | B | 9.0 | 17 9.8 | 30.6 | |
| 9.3 | 46.0 | 55.2 | | 9.4 | 27.2 | 54.4 | aB | 9.2 | 27 22.5 | 4.0 | | 5.5 | 38.9 | 59.0 | Kb | 9.3 | 46.6 | 30.1 | |
| 9.3 | 56.1 | 14.6 | | 9.4 | 33.1 | 14.4 | | 9.0 | 37.1 | 45.6 | | 9.2 | 51 5.6 | 45.3 | a | 9.5 | 53.5 | 56.9 | |
| 8.9 | 45 35.4 | 51.8 | | 9.0 | 35.2 | 12.4 | B | 9.0 | 28 33.6 | 44.5 | B | 8.1 | 14.5 | 1.6 | K | 9.5 | 18 24.2 | 17.5 | B |
| 8.0 | 41.6 | 40.6 | Kb | 7.5 | 43.5 | 38.0 | K | 8.3 | 34.5 | 20.2 | Kb | 9.4 | 18.5 | 36.4 | B | 8.5 | 19 14.3 | 5.8 | K |
| 9.5 | 46 2.0 | 26.2 | | 9.5 | 7 36.1 | 42.4 | | 7.5 | 47.2 | 48.2 | K | 8.0 | 21.6 | 39.2 | K | 9.5 | 39.0 | 54.4 | |
| 9.0 | 54.8 | 27.7 | | 8.9 | 44.5 | 54.1 | | 9.1 | 49.1 | 48.7 | B | 8.5 | 36.1 | 58.3 | K | 8.9 | 40.3 | 0.2 | K |
| 9.5 | 47 8.6 | 24.8 | | 9.5 | 8 47.6 | 28.1 | | 8.0 | 59.5 | 44.4 | K | 8.6 | 49.0 | 41.8 | K | 9.5 | 20 19.6 | 55.0 | |
| 7.2 | 15.1 | 4.8 | K | 9.5 | 57.8 | 11.1 | | 9.5 | 29 1.6 | 5.1 | | 9.5 | 52 9.1 | 22.2 | | 9.3 | 21 20.8 | 5.3 | |
| 9.5 | 37.3 | 41.9 | | 9.1 | 9 11.0 | 11.3 | b | 9.5 | 31.0 | 27.3 | | 6.3 | 30.8 | 48.9 | Kb | 7.5 | 23.6 | 40.5 | K |
| 9.5 | 58.5 | 28.1 | | 9.5 | 11.6 | 53.7 | | 8.9 | 33.9 | 54.4 | | 8.8 | 49.7 | 11.8 | | 9.4 | 22 31.6 | 42.4 | |
| 9.5 | 48 26.0 | 52.2 | | 8.3 | 30.6 | 15.3 | K | 9.0 | 54.6 | 33.2 | | 9.2 | 58.6 | 48.6 | | 8.8 | 39.1 | 22.5 | |
| 9.2 | 39.1 | 58.6 | | 9.5 | 10 17.2 | 28.5 | | 8.5 | 30 8.8 | 18.4 | | 9.0 | 53 6.8 | 42.7 | K | 9.2 | 23 30.7 | 16.8 | |
| 9.3 | 46.4 | 5.1 | | 8.5 | 18.4 | 57.6 | K | 9.5 | 26.3 | 10.3 | | 9.5 | 11.1 | 50.5 | | 8.1 | 37.1 | 29.9 | K |
| 9.3 | 49 15.8 | 34.7 | | 9.5 | 39.3 | 40.2 | | 8.0 | 39.0 | 33.5 | K | 9.5 | 26.0 | 2.0 | | 8.9 | 24 2.1 | 46.5 | K |
| 9.5 | 55.5 | 24.3 | | 9.5 | 42.0 | 18.4 | | 9.4 | 39.7 | 46.9 | | 9.5 | 54 9.6 | 7.4 | | 8.5 | 39.0 | 14.7 | K |
| 9.2 | 59.6 | 34.6 | b | 9.5 | 45.0 | 12.0 | | 6.5 | 31 20.2 | 27.9 | K | 9.5 | 17.1 | 22.9 | | 9.5 | 25 30.3 | 52.5 | |
| 9.5 | 50 21.1 | 33.0 | | 8.0 | 11 0.9 | 46.8 | K | 9.4 | 44.2 | 18.4 | | 6.8 | 56 2.8 | 57.0 | K | 9.4 | 26 2.6 | 31.0 | |
| 9.2 | 56.8 | 27.3 | | 9.5 | 1.3 | 39.4 | | 8.6 | 33 43.5 | 51.9 | K | 9.4 | 11.7 | 35.6 | | 9.4 | 10.1 | 3.2 | |
| 9.3 | 51 5.6 | 28.8 | | 8.7 | 5.5 | 53.7 | L | 7.0 | 46.6 | 22.5 | K | 8.9 | 25.6 | 43.1 | Kb | 9.3 | 17.6 | 14.5 | |
| 9.4 | 10.0 | 31.4 | | 9.5 | 26.0 | 16.0 | | 8.9 | 54.4 | 14.5 | K | 9.0 | 57 2.8 | 17.8 | | 9.2 | 35.4 | 44.0 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10pr. | 38.42 | 1.43 | | 10pr. | 38.09 | 1.68 | | 10pr. | 37.63 | 1.95 | | 10pr. | 37.05 | 2.24 | | 10pr. | 36.32 | 2.51 | |

| 1780 a | | | |
|---|---|---|---|
| 9.1 | 34 | 1.5 | 17.4 |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ᵐ | | +32° | | | 9ᵐ—10ᵐ | | +32° | | | 10ᵐ | | +32° | | | 10ᵐ—11ᵐ | | +32° | | | 11ᵐ | | +32° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 26 | 35.6 | 52.8 | | 8.3 | 51 | 19.5 | 9.5 | K | 8.6 | 14 | 3.5 | 16.2 | K | 9.4 | 44 | 49.1 | 11.6 | aB | 8.8 | 14 | 58.3 | 12.7 | K |
| 9.5 | 27 | 35.0 | 55.6 | | 8.8 | | 35.9 | 56.9 | K | 9.3 | | 7.1 | 54.1 | | 9.5 | 45 | 35.6 | 51.0 | | 7.7 | 15 | 6.2 | 36.9 | K |
| 8.5 | 28 | 5.6 | 46.4 | K | 9.5 | 52 | 1.5 | 24.8 | B | 9.0 | 15 | 38.7 | 45.0 | K | 9.5 | | 52.1 | 24.1 | | 9.3 | | 24.9 | 44.8 | K |
| 9.5 | | 24.9 | 34.7 | | 5.8 | | 39.8 | 37.9 | Kb | 9.5 | 16 | 39.4 | 22.4 | | 9.5 | 46 | 15.6 | 23.4 | | 9.4 | | 32.4 | 9.1 | aB |
| 9.3 | 29 | 49.6 | 16.3 | | 8.4 | | 42.9 | 14.1 | | 9.3 | 17 | 12.2 | 59.8 | B | 8.1 | | 27.9 | 30.1 | B | 9.5 | 16 | 57.7 | 2.9 | |
| 9.4 | | 51.2 | 29.1 | | 9.4 | | 51.4 | 59.9 | | 9.3 | | 54.4 | 52.5 | | 9.4 | | 42.6 | 44.1 | | 8.0 | 17 | 11.4 | 37.6 | K |
| 9.4 | 30 | 6.9 | 54.6 | | 8.9 | 53 | 5.3 | 33.2 | K | 9.5 | 18 | 2.0 | 17.0 | | 9.2 | 47 | 17.5 | 6.0 | K | 9.4 | 18 | 18.2 | 26.9 | |
| 9.5 | 31 | 19.3 | 11.0 | | 8.8 | | 12.0 | 37.8 | K | 9.3 | | 4.2 | 4.4 | | 9.5 | | 33.5 | 30.2 | | 9.2 | 19 | 1.2 | 23.5 | K |
| 9.5 | | 20.1 | 44.4 | | 9.5 | | 19.6 | 40.7 | | 9.5 | | 32.0 | 38.0 | | 9.4 | 48 | 52.1 | 46.1 | | 9.1 | 20 | 2.7 | 21.5 | Kb |
| 9.5 | | 43.0 | 56.8 | B | 7.5 | | 40.5 | 14.0 | K | 9.3 | | 35.5 | 59.7 | Kb | 9.4 | | 59.2 | 38.2 | | 9.5 | 22 | 7.3 | 48.4 | |
| 9.5 | | 53.5 | 48.5 | | 9.5 | 54 | 25.7 | 56.9 | | 9.0 | | 50.3 | 27.2 | | 9.5 | 49 | 49.6 | 29.8 | | 9.4 | | 19.1 | 11.9 | |
| 8.6 | 32 | 6.1 | 14.3 | | 8.3 | 55 | 33.0 | 10.9 | | 9.4 | 19 | 8.6 | 45.5 | | 9.3 | | 55.1 | 36.4 | b | 9.5 | | 19.7 | 46.3 | |
| 9.5 | | 29.6 | 20.0 | B | 9.2 | | 45.6 | 32.8 | | 9.5 | | 45.7 | 52.0 | | 9.4 | 50 | 13.3 | 54.7 | | 9.3 | 24 | 41.9 | 5.2 | |
| 9.3 | | 39.6 | 34.9 | | 9.5 | 56 | 5.5 | 39.0 | | 9.4 | | 46.5 | 21.7 | | 9.5 | | 29.8 | 25.5 | | 9.1 | | 51.1 | 4.3 | b |
| 9.2 | | 46.4 | 34.3 | aBb | ~~9.5~~ | | ~~24.6~~ | ~~10.2~~ | | 9.4 | 20 | 17.2 | 41.8 | | 9.4 | | 39.1 | 45.8 | | 9.0 | 25 | 7.5 | 34.9 | B |
| 9.1 | 33 | 19.3 | 6.1 | | 9.1 | | 59.7 | 0.4 | Kb | 8.8 | 21 | 9.0 | 44.6 | K | 9.5 | 51 | 28.4 | 2.1 | | 8.9 | | 20.6 | 33.0 | B |
| 9.4 | | 26.1 | 15.0 | aB | 9.5 | 57 | 8.5 | 39.1 | | 8.9 | 22 | 2.7 | 9.4 | | 9.5 | 52 | 24.6 | 24.1 | | 9.5 | | 21.0 | 31.1 | |
| 9.4 | | 33.7 | 17.8 | B | 9.5 | | 26.5 | 52.4 | | 9.5 | | 28.0 | 17.8 | | 8.0 | 53 | 29.7 | 2.5 | K | 9.5 | 26 | 30.2 | 20.4 | |
| 9.5 | | 47.5 | 22.9 | | 9.0 | 58 | 26.0 | 21.0 | K | 9.3 | | 50.2 | 49.3 | | 9.0 | 55 | 22.6 | 4.8 | | 9.5 | | 35.4 | 8.1 | |
| 6.9 | 34 | 18.3 | 56.1 | K | 9.5 | | 53.6 | 47.2 | | 8.6 | 23 | 45.4 | 55.7 | | 8.6 | | 51.5 | 0.7 | K | 9.4 | | 45.7 | 59.6 | |
| 9.5 | | 24.6 | 24.7 | | 9.1 | | 58.4 | 55.1 | K | 9.3 | | 49.6 | 59.0 | | 9.5 | 56 | 30.6 | 44.8 | | 9.1 | 27 | 6.1 | 28.7 | |
| 8.6 | | 30.2 | 16.2 | | 6.5 | 59 | 54.2 | 19.4 | K | 9.3 | | 58.7 | 59.5 | | 6.8 | | 44.4 | 12.8 | K | 8.0 | | 8.7 | 58.6 | Kb |
| 9.0 | | 41.9 | 7.4 | | 9.3 | 0 | 21.5 | 23.1 | K | 9.5 | 24 | 10.0 | 33.1 | | 7.8 | 57 | 20.5 | 42.9 | K | 8.9 | | 16.6 | 19.4 | |
| 9.4 | 35 | 12.6 | 3.3 | | 8.8 | | 34.1 | 3.1 | K | 9.0 | | 15.7 | 41.8 | K | 9.5 | | 30.5 | 43.9 | | 9.5 | | 42.7 | 9.7 | |
| 9.5 | | 33.7 | 16.1 | | 9.5 | 1 | 5.5 | 24.4 | | 8.4 | | 18.3 | 10.2 | B | 9.4 | | 49.6 | 36.5 | | 9.4 | 28 | 4.8 | 21.8 | |
| 9.5 | | 58.9 | 1.9 | | 9.2 | | 9.7 | 17.9 | Kb | 9.3 | | 25.8 | 49.6 | | 9.1 | | 53.3 | 55.2 | Kb | 9.5 | | 15.9 | 48.7 | |
| 9.3 | 36 | 3.1 | 25.9 | | 9.2 | | 16.5 | 27.6 | | 9.3 | | 27.5 | 12.5 | | 9.4 | 58 | 10.0 | 33.8 | | 9.1 | 29 | 36.1 | 10.4 | Bb |
| 9.5 | | 4.6 | 57.7 | | 8.5 | 2 | 2.0 | 57.4 | K | 9.4 | | 38.4 | 15.7 | | 9.4 | | 10.4 | 15.8 | | 9.3 | 30 | 7.1 | 29.3 | |
| 9.4 | | 34.8 | 55.2 | | 8.8 | | 55.5 | 38.8 | K | 9.0 | | 55.5 | 18.9 | | 9.3 | | 52.7 | 12.8 | K | 7.5 | | 28.0 | 42.1 | K |
| 9.0 | 37 | 41.6 | 43.9 | K | 7.8 | | 59.7 | 55.0 | K | 9.1 | 26 | 20.5 | 19.9 | | 9.4 | 59 | 4.1 | 1.8 | | 9.2 | | 28.9 | 2.4 | K |
| 9.5 | 39 | 17.0 | 26.5 | | 9.1 | 3 | 31.0 | 14.6 | | 8.4 | | 20.7 | 25.8 | Kb | 9.5 | | 58.1 | 56.8 | | 8.6 | 31 | 25.2 | 32.8 | K |
| 9.2 | | 17.2 | 2.7 | | 9.5 | | 55.4 | 29.0 | | 9.1 | | 59.5 | 38.2 | | 9.5 | 0 | 41.8 | 53.4 | | 8.8 | | 30.1 | 52.9 | K |
| 8.8 | | 32.8 | 46.3 | K | 9.5 | 4 | 1.7 | 16.1 | | 7.8 | 27 | 17.9 | 32.6 | K | 9.3 | 1 | 3.0 | 54.4 | aBb | 9.5 | 32 | 13.7 | 40.6 | |
| 9.4 | 40 | 35.8 | 31.0 | | 9.3 | | 4.4 | 10.9 | | 9.5 | | 32.0 | 44.6 | | 9.5 | 2 | 5.1 | 16.8 | | 9.1 | | 26.4 | 10.9 | K |
| 9.3 | | 38.8 | 8.8 | | 8.5 | | 9.0 | 3.3 | K | 9.0 | | 37.5 | 31.0 | K | 9.3 | 3 | 30.5 | 15.2 | | 8.6 | | 36.9 | 10.7 | K |
| 9.4 | | 46.5 | 57.0 | | 7.8 | | 56.0 | 5.0 | K | 9.5 | 28 | 3.5 | 39.0 | | 9.5 | | 34.7 | 23.8 | | 8.9 | 33 | 5.7 | 8.6 | K |
| 9.5 | 41 | 14.7 | 45.3 | | 8.7 | 5 | 3.5 | 14.9 | K | 9.3 | | 59.4 | 0.7 | | 9.4 | | 41.6 | 40.3 | | 9.0 | | 23.8 | 38.2 | K |
| 9.5 | | 15.0 | 41.7 | | 8.7 | | 36.3 | 0.2 | K | 9.4 | 29 | 13.0 | 18.6 | | 8.9 | 4 | 34.6 | 19.3 | Kb | 9.2 | | 53.4 | 33.7 | R |
| 9.4 | | 17.1 | 55.5 | | 8.3 | | 45.0 | 16.6 | K | 8.5 | | 16.0 | 24.0 | K | 9.3 | | 36.1 | 51.3 | | 6.0 | 34 | 0.9 | 33.0 | K |
| 9.1 | 42 | 12.7 | 18.7 | b | 7.8 | | 51.4 | 9.1 | K | 8.5 | 30 | 11.7 | 45.4 | K | 9.5 | | 48.4 | 53.6 | | 7.2 | 35 | 55.1 | 33.8 | K |
| 7.2 | | 14.8 | 4.5 | K | 9.5 | 6 | 11.5 | 27.5 | | 4.8 | | 34.3 | 43.2 | Kb | 9.2 | | 52.1 | 21.4 | K | 8.6 | 36 | 13.4 | 33.5 | K |
| 9.5 | | 26.5 | 2.5 | | 9.3 | | 25.1 | 9.5 | B | 9.5 | | 54.2 | 3.6 | | 9.4 | 6 | 20.0 | 58.2 | | 8.9 | | 24.8 | 7.5 | |
| 8.3 | 43 | 11.0 | 7.2 | K | 9.0 | | 38.7 | 30.6 | K | 9.5 | 31 | 15.6 | 56.2 | | 9.1 | 7 | 22.5 | 56.8 | Kb | 9.4 | 37 | 15.7 | 42.0 | |
| 9.5 | | 19.9 | 36.7 | | 9.4 | | 39.0 | 42.2 | | 8.5 | | 19.1 | 26.9 | K | 7.9 | | 30.0 | 23.7 | K | 9.4 | | 44.9 | 4.8 | aB |
| 9.5 | | 32.0 | 11.4 | | 6.3 | | 47.0 | 11.7 | Kb | 9.3 | 32 | 44.6 | 39.3 | K | 8.7 | 8 | 24.1 | 23.9 | K | 9.4 | | 54.8 | 59.6 | |
| 9.2 | | 47.3 | 0.9 | | 9.5 | 7 | 40.0 | 28.4 | | 6.5 | 34 | 5.8 | 28.2 | K | 9.5 | | 41.8 | 19.5 | | 9.5 | 38 | 43.3 | 19.0 | |
| 7.7 | | 56.9 | 12.8 | L | 8.9 | | 48.6 | 59.3 | K | 9.5 | | 6.4 | 45.7 | | 9.5 | | 54.0 | 8.2 | | 9.5 | | 54.1 | 52.8 | |
| 9.0 | 44 | 13.5 | 34.0 | | 9.1 | 8 | 3.5 | 20.5 | | 9.5 | | 19.8 | 51.0 | B | 9.1 | 9 | 7.0 | 22.1 | K | 9.5 | 39 | 26.7 | 38.3 | |
| 9.5 | 45 | 48.5 | 0.3 | | 9.3 | | 44.5 | 13.4 | | 9.2 | | 36.3 | 49.5 | K | 9.1 | | 16.1 | 28.5 | aB | 9.4 | 40 | 38.1 | 42.5 | |
| 8.3 | | 52.6 | 56.6 | K | 9.5 | 9 | 5.0 | 20.3 | | 9.5 | | 51.1 | 38.5 | | 9.1 | | 31.5 | 46.1 | | 9.2 | 41 | 3.7 | 41.4 | b |
| 9.5 | 46 | 31.7 | 36.3 | | 8.0 | | 45.7 | 51.9 | K | 9.5 | 36 | 44.6 | 54.8 | | 9.3 | | 50.3 | 37.1 | | 8.6 | | 12.4 | 0.1 | L |
| 8.5 | | 40.9 | 5.0 | | 9.5 | | 56.9 | 16.0 | | 8.5 | 37 | 22.4 | 55.3 | K | 3.7 | 10 | 26.9 | 21.8 | K | 9.1 | | 39.9 | 15.3 | K |
| 8.6 | 47 | 42.5 | 57.1 | K | 9.5 | 11 | 6.3 | 56.0 | | 8.5 | | 39.5 | 50.2 | K | 9.5 | | 30.0 | 53.1 | | 9.4 | 42 | 43.9 | 53.2 | |
| 9.3 | | 59.7 | 25.0 | | 9.1 | | 22.0 | 44.8 | K | 9.5 | 39 | 58.4 | 3.0 | | 9.5 | 11 | 17.9 | 3.8 | | 9.3 | | 53.0 | 33.1 | |
| 9.5 | 48 | 52.0 | 47.0 | | 9.5 | 12 | 1.5 | 59.3 | | 9.5 | 40 | 23.7 | 53.8 | | 9.4 | 12 | 44.4 | 29.7 | | 9.5 | | 55.8 | 47.5 | B |
| 9.5 | 49 | 47.5 | 2.3 | | 8.8 | | 22.3 | 9.7 | K | 7.3 | 42 | 29.4 | 47.6 | K | 9.5 | | 55.5 | 50.3 | | 9.5 | 44 | 5.4 | 23.4 | |
| 9.5 | 50 | 25.3 | 6.3 | | 9.3 | | 55.6 | 52.8 | Kb | 9.5 | | 38.0 | 3.2 | | 8.2 | | 58.2 | 32.1 | K | 9.5 | | 18.3 | 11.1 | |
| 9.4 | | 41.3 | 46.8 | B | 9.5 | 13 | 2.7 | 57.9 | | 9.5 | | 52.1 | 28.9 | | 9.5 | 13 | 21.6 | 21.1 | | 9.5 | 45 | 51.3 | 13.8 | |
| 9.0 | | 50.4 | 29.2 | | 9.4 | | 42.0 | 50.5 | | 7.6 | 43 | 56.1 | 7.8 | Kb | 8.7 | | 47.7 | 50.7 | Kb | 8.7 | 46 | 20.2 | 1.9 | |
| 9.0 | | 52.4 | 24.8 | | 9.5 | | 42.5 | 36.8 | | 9.5 | 44 | 2.0 | 43.8 | | 9.5 | 14 | 49.1 | 48.6 | | 9.4 | | 22.0 | 28.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.65 | 2.73 | | 10pr. | | 34.87 | 2.91 | | 10pr. | | 34.10 | 3.07 | | 10pr. | | 32.96 | 3.23 | | 10pr. | | 31.79 | 3.31 | |

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11ᵘ—12ᵘ | | +32° | | | 12ᵘ—13ᵘ | | +32° | | | 13ᵘ | | +32° | | | 13ᵘ—14ᵘ | | +32° | | | 14ᵘ | | +32° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 46 | 37.9 | 33.2 | aBb | 9.1 | 29 | 21.9 | 22.8 | | 9.0 | 1 | 23.0 | 49.0 | Kb | 9.4 | 37 | 20.1 | 17.1 | aB | 9.5 | 4 | 50.2 | 29.1 | |
| 9.4 | 47 | 4.5 | 1.9 | | 9.0 | 31 | 4.8 | 43.8 | | 9.5 | 2 | 55.8 | 18.4 | | 9.5 | | 39.2 | 10.3 | | 9.5 | | 55.2 | 14.1 | |
| 9.5 | | 5.5 | 27.3 | | 8.9 | | 15.3 | 54.1 | Kb | 9.5 | | 59.5 | 37.7 | | 9.5 | 38 | 29.5 | 53.4 | | 6.5 | | 56.1 | 58.5 | K |
| 9.3 | 48 | 8.3 | 33.1 | | 9.3 | | 23.8 | 17.3 | | 9.0 | 3 | 0.4 | 8.4 | S | 9.4 | | 30.7 | 38.0 | | 9.5 | 5 | 43.2 | 27.4 | |
| 8.7 | | 31.8 | 1.0 | K | 9.5 | | 42.9 | 8.6 | | 9.5 | 4 | 54.0 | 20.8 | | 8.6 | | 45.2 | 13.5 | K | 8.4 | 6 | 39.0 | 16.1 | |
| 9.5 | 49 | 39.8 | 58.4 | B | 9.5 | | 47.8 | 44.5 | | 9.5 | 5 | 10.6 | 7.8 | | 9.5 | 40 | 5.8 | 13.5 | | 9.3 | | 50.3 | 49.7 | Kb |
| 8.7 | 51 | 0.3 | 43.4 | K | 9.2 | 32 | 40.3 | 47.2 | K | 6.7 | | 12.6 | 52.6 | K | 9.4 | | 39.7 | 19.4 | | 9.4 | 7 | 56.5 | 5.0 | |
| 8.3 | | 4.4 | 7.3 | L | 9.4 | 33 | 38.4 | 38.3 | | 9.5 | 6 | 14.2 | 23.9 | | 9.0 | | 59.9 | 40.8 | | 9.2 | 8 | 11.6 | 6.8 | |
| 9.2 | 52 | 46.4 | 59.6 | aB | 9.1 | | 43.4 | 53.9 | K | 9.4 | | 32.0 | 36.3 | | 9.0 | 41 | 24.5 | 50.4 | Kb | 9.0 | 9 | 29.2 | 38.8 | K |
| 9.4 | 53 | 3.3 | 20.2 | B | 9.5 | 36 | 10.0 | 0.7 | | 8.9 | | 38.8 | 59.8 | K | 8.5 | | 25.8 | 11.2 | K | 9.1 | | 54.8 | 7.1 | b |
| 9.2 | | 17.4 | 40.7 | K | 9.5 | | 12.3 | 13.5 | | 8.6 | | 39.0 | 25.9 | K | 8.0 | | 48.9 | 7.8 | K | 7.0 | 10 | 16.1 | 53.3 | K |
| 8.5 | 54 | 41.9 | 1.5 | K | 9.5 | | 51.3 | 17.6 | | 9.1 | 7 | 16.0 | 42.1 | | 9.5 | 42 | 34.7 | 24.0 | | 8.6 | | 24.0 | 50.2 | K |
| 8.5 | 55 | 18.3 | 19.4 | K | 9.2 | 38 | 35.7 | 59.0 | b | 9.5 | 8 | 18.0 | 14.5 | | 9.5 | | 35.4 | 22.2 | | 9.0 | 11 | 12.4 | 15.7 | Kb |
| 9.5 | | 54.8 | 24.1 | | 9.1 | 40 | 18.0 | 0.5 | b | 9.5 | | 55.1 | 47.3 | | 9.4 | | 46.4 | 23.2 | aB | 9.5 | | 28.9 | 52.6 | |
| 9.3 | 56 | 11.7 | 58.1 | | 9.5 | | 50.8 | 13.7 | | 8.7 | 9 | 41.5 | 17.8 | Lb | 9.5 | 43 | 20.8 | 53.4 | | 9.3 | 12 | 24.2 | 59.4 | |
| 9.5 | 57 | 15.3 | 19.7 | | 9.5 | | 50.9 | 55.1 | | 9.5 | 10 | 44.6 | 55.4 | | 9.5 | 44 | 10.6 | 39.4 | | 9.5 | | 36.9 | 47.7 | |
| 9.5 | | 32.0 | 8.7 | | 9.5 | 41 | 15.7 | 56.4 | | 7.5 | 11 | 25.0 | 23.5 | K | 9.5 | 45 | 7.7 | 52.2 | | 9.5 | | 43.3 | 14.1 | |
| 7.9 | | 58.6 | 1.0 | K | 9.5 | 42 | 53.4 | 23.8 | | 8.0 | 12 | 0.0 | 55.4 | K | 9.5 | | 34.6 | 7.6 | aB | 9.0 | 13 | 59.3 | 22.3 | Kb |
| 8.9 | 58 | 15.3 | 47.9 | K | 9.5 | 43 | 10.7 | 58.1 | | 9.5 | | 7.9 | 59.5 | | 9.4 | | 54.3 | 27.0 | | 8.5 | 15 | 49.4 | 32.2 | K |
| 8.6 | | 42.2 | 58.0 | K | 9.5 | | 41.8 | 2.0 | | 9.5 | | 29.0 | 13.8 | | 9.5 | 46 | 18.2 | 52.7 | | 8.6 | 16 | 2.3 | 28.0 | K |
| 9.2 | | 44.2 | 3.9 | | 7.5 | | 59.9 | 15.2 | K | 9.3 | | 40.8 | 41.7 | B | 9.5 | | 26.5 | 6.8 | | 9.5 | | 9.0 | 2.5 | |
| 9.5 | | 53.4 | 20.2 | B | 9.5 | 44 | 11.4 | 59.6 | | 9.4 | 13 | 42.0 | 3.7 | b | 8.4 | 47 | 15.8 | 24.1 | K | 9.4 | | 35.0 | 0.0 | aB |
| 9.1 | 59 | 40.7 | 49.2 | K | 9.4 | | 13.5 | 42.4 | | 9.5 | | 59.4 | 43.7 | | 9.3 | | 16.5 | 12.8 | | 9.4 | | 53.0 | 0.3 | |
| 9.5 | | 46.7 | 59.3 | | 9.5 | | 33.9 | 38.2 | | 9.2 | 16 | 15.8 | 26.9 | b | 9.2 | | 31.4 | 52.6 | b | 9.4 | 17 | 19.4 | 59.2 | aB |
| 8.1 | 0 | 14.8 | 50.0 | K | 9.5 | | 34.3 | 57.9 | | 9.5 | | 29.7 | 54.9 | | 9.5 | | 32.9 | 46.6 | | 9.5 | | 34.8 | 17.8 | |
| 9.5 | 1 | 11.7 | 37.9 | | 9.5 | | 49.0 | 37.0 | B | 7.3 | 17 | 40.7 | 50.6 | K | 9.5 | 48 | 35.3 | 3.4 | | 9.3 | | 42.9 | 52.7 | |
| 8.6 | | 45.8 | 43.4 | Kb | 8.8 | 45 | 1.7 | 33.5 | K | 9.5 | 18 | 29.0 | 44.5 | | 9.4 | | 47.9 | 10.4 | | 9.3 | 18 | 13.8 | 18.1 | |
| 8.2 | 4 | 3.3 | 47.2 | Kb | 9.5 | | 26.9 | 42.7 | | 9.4 | | 44.7 | 15.2 | B | 9.3 | | 54.6 | 8.9 | aB | 9.1 | | 28.5 | 55.3 | K |
| 7.5 | 5 | 32.1 | 35.9 | Kb | 9.5 | 46 | 44.0 | 0.5 | B | 9.5 | | 50.0 | 56.0 | | 8.8 | 49 | 25.3 | 22.5 | | 8.9 | | 47.9 | 22.0 | |
| 9.5 | 6 | 54.4 | 2.0 | | 9.5 | 47 | 54.0 | 49.0 | B | 8.3 | 19 | 14.0 | 37.3 | K | 8.5 | | 29.2 | 34.0 | L | 9.5 | 20 | 2.1 | 9.1 | |
| 9.5 | 7 | 5.0 | 2.2 | | 9.4 | | 56.8 | 10.1 | | 9.5 | | 22.0 | 44.2 | | 6.5 | | 45.2 | 43.8 | K | 9.3 | | 17.7 | 53.6 | |
| 9.5 | 9 | 26.3 | 21.1 | | 9.5 | 48 | 8.3 | 3.4 | | 9.5 | | 26.5 | 50.4 | | 8.2 | | 52.7 | 35.2 | L | 9.5 | | 27.4 | 30.5 | |
| 9.0 | 10 | 34.8 | 47.2 | K | 8.5 | | 26.7 | 51.4 | K | 9.4 | 21 | 22.2 | 29.0 | | 9.3 | 50 | 43.3 | 37.3 | K | 9.3 | 21 | 3.8 | 55.0 | |
| 8.3 | 13 | 54.5 | 6.0 | Kb | 9.3 | | 34.5 | 35.5 | | 9.4 | | 29.5 | 58.1 | | 9.3 | | 50.8 | 53.5 | | 9.5 | | 36.3 | 22.0 | aB |
| 8.7 | 14 | 1.2 | 54.4 | K | 9.1 | | 39.4 | 28.3 | | 9.3 | | 50.6 | 44.2 | | 9.4 | 51 | 30.5 | 14.6 | aB | 9.0 | | 49.6 | 56.5 | K |
| 8.5 | | 4.9 | 58.5 | K | 7.2 | | 47.2 | 47.3 | B | 8.0 | 22 | 14.0 | 46.9 | K | 9.5 | | 51.3 | 57.7 | | 8.0 | | 50.1 | 26.4 | B |
| 9.3 | | 49.3 | 39.0 | | 9.4 | 49 | 11.5 | 26.6 | | 8.8 | | 45.0 | 15.9 | Kb | 9.5 | 53 | 57.5 | 5.7 | | 9.4 | | 50.3 | 34.9 | |
| 9.1 | | 53.5 | 53.4 | K | 9.3 | | 14.8 | 57.1 | | 9.5 | 24 | 41.7 | 22.1 | | 9.4 | 54 | 40.6 | 26.6 | | 9.4 | 22 | 38.8 | 8.0 | |
| 8.0 | 15 | 25.8 | 3.5 | K | 9.4 | | 26.7 | 39.1 | B | 9.2 | 25 | 14.0 | 31.4 | Kb | 7.0 | | 55.2 | 14.9 | K | 9.1 | 23 | 4.9 | 55.5 | b |
| 9.5 | 16 | 23.8 | 39.0 | | 9.4 | | 41.0 | 55.0 | | 9.5 | 26 | 27.5 | 34.4 | | 9.3 | | 57.8 | 59.6 | aB | 9.5 | | 12.0 | 2.5 | |
| 8.6 | 17 | 18.2 | 4.8 | K | 9.2 | | 44.9 | 42.8 | K | 8.8 | 27 | 13.1 | 17.7 | | 9.4 | 55 | 22.1 | 51.6 | | 9.2 | | 13.1 | 30.3 | |
| 9.5 | | 32.8 | 8.0 | | 9.3 | 50 | 31.8 | 4.8 | aB | 9.5 | | 45.5 | 18.3 | | 9.0 | | 41.5 | 35.6 | | 6.5 | | 36.9 | 26.1 | K |
| 8.1 | | 37.8 | 37.6 | K | 9.3 | | 36.8 | 9.6 | | 9.0 | 28 | 9.6 | 1.4 | | 9.1 | | 56.2 | 3.1 | K | 9.4 | 25 | 27.2 | 37.7 | K |
| 8.9 | 18 | 8.8 | 41.7 | K | 9.5 | | 39.3 | 20.7 | | 9.5 | 29 | 24.7 | 4.3 | | 7.5 | 56 | 8.3 | 22.5 | K | 9.5 | | 30.9 | 7.5 | |
| 9.3 | | 22.2 | 4.8 | | 9.5 | 51 | 9.9 | 17.4 | | 9.5 | | 40.5 | 56.2 | | 9.2 | 58 | 2.2 | 28.1 | b | 8.5 | 26 | 8.9 | 16.8 | K |
| 9.5 | 19 | 14.0 | 2.0 | | 9.5 | | 48.4 | 9.8 | | 9.3 | 30 | 18.3 | 20.9 | a | 9.5 | | 25.0 | 51.5 | | 9.5 | | 15.2 | 25.1 | |
| 9.3 | 21 | 15.1 | 44.4 | | 9.4 | 52 | 24.8 | 44.9 | | 9.0 | | 21.7 | 21.6 | K | 9.3 | | 41.7 | 17.1 | | 9.3 | | 17.3 | 22.1 | aB |
| 9.3 | | 16.8 | 27.5 | | 9.5 | | 34.3 | 30.0 | | 9.3 | | 55.4 | 30.4 | | 9.1 | 59 | 31.7 | 30.5 | b | 9.5 | | 41.0 | 6.1 | |
| 9.5 | | 36.3 | 43.4 | | 9.5 | | 36.8 | 37.9 | | 9.4 | 32 | 23.9 | 0.6 | | 9.5 | 0 | 46.6 | 26.0 | | 9.3 | 27 | 20.9 | 23.4 | |
| 7.9 | | 53.3 | 11.1 | K | 7.5 | 53 | 7.6 | 52.8 | K | 8.8 | | 45.9 | 29.2 | K | 9.5 | | 51.5 | 32.8 | aB | 9.5 | | 51.3 | 44.3 | |
| 9.5 | 23 | 48.4 | 55.0 | | 6.8 | | 30.3 | 33.1 | K | 9.1 | | 51.0 | 50.8 | K | 9.5 | 1 | 2.2 | 14.9 | | 9.5 | 28 | 45.4 | 10.1 | |
| 7.4 | | 49.5 | 13.5 | L | 9.1 | | 58.9 | 23.4 | K | 9.3 | 33 | 5.5 | 3.6 | | 9.5 | | 20.7 | 4.3 | | 9.5 | 29 | 42.7 | 30.3 | |
| 9.4 | | 58.9 | 6.6 | | 9.1 | 54 | 31.9 | 8.6 | | 9.5 | | 15.5 | 52.1 | | 9.0 | | 39.8 | 54.3 | Kb | 9.5 | 30 | 24.7 | 26.2 | |
| 9.1 | 24 | 26.9 | 48.5 | b | 9.5 | 55 | 22.5 | 52.8 | | 9.5 | 34 | 7.3 | 24.5 | | 9.5 | 2 | 21.7 | 47.3 | | 9.3 | | 26.7 | 29.0 | |
| 8.4 | 26 | 11.3 | 50.5 | K | 9.5 | | 58.8 | 57.9 | | 9.1 | | 15.2 | 29.1 | K | 8.6 | | 33.7 | 42.8 | K | 9.1 | 31 | 10.7 | 4.9 | |
| 8.2 | | 57.4 | 48.9 | K | 9.4 | 56 | 4.4 | 3.3 | | 9.1 | | 24.4 | 33.8 | K | 9.5 | | 46.6 | 3.7 | | 9.4 | | 12.2 | 51.4 | aBb |
| 9.5 | 28 | 5.3 | 13.1 | B | 9.5 | 58 | 0.0 | 30.5 | | 8.5 | 35 | 31.0 | 35.6 | K | 9.0 | 3 | 57.5 | 12.8 | | 7.8 | | 27.0 | 14.5 | K |
| 7.7 | | 50.8 | 31.8 | L | 8.5 | | 13.5 | 48.0 | Kb | 9.2 | 36 | 33.3 | 45.7 | K | 9.0 | 4 | 3.0 | 52.7 | K | 9.5 | 32 | 10.8 | 44.7 | |
| 2.4 | | 52.9 | 47.6 | L | 9.5 | | 20.5 | 12.8 | | 8.9 | | 41.2 | 44.8 | K | 9.3 | | 24.6 | 11.3 | B | 9.5 | | 16.5 | 4.5 | |
| 8.2 | 29 | 15.7 | 59.6 | L | 9.5 | 1 | 6.0 | 31.4 | | 9.4 | | 48.9 | 49.3 | | 7.7 | | 38.2 | 33.9 | K | 9.4 | 34 | 6.8 | 36.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 30.46 | 3.34 | | 10pr. | | 28.95 | 3.27 | | 10pr. | | 27.83 | 3.14 | | 10pr. | | 26.80 | 2.96 | | 10pr. | | 25.83 | 2.74 | |

2250 a
var | 23 1 | 18.3 |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14ᵐ—15ᵐ | | +32° | | | 15ᵐ | | +32° | | | 15ᵐ—16ᵐ | | +32° | | | 16ᵐ | | +32° | | | 16ᵐ | | +32° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 34 | 10.9 | 58.8 | | 6.5 | 8 | 9.8 | 19.4 | K | 6.2 | 38 | 16.4 | 59.0 | K | 9.2 | 1 | 53.8 | 42.9 | B | 9.5 | 28 | 3.4 | 4.7 | |
| 9.5 | | 50.5 | 26.9 | | 9.0 | | 14.5 | 17.6 | K | 9.3 | | 37.8 | 36.5 | | 9.5 | 2 | 7.9 | 12.8 | | 9.4 | | 5.8 | 17.9 | |
| 9.5 | | 58.8 | 42.5 | | 9.3 | | 17.7 | 56.2 | | 9.3 | | 46.2 | 17.2 | | 9.5 | | 11.5 | 57.3 | | 9.5 | | 7.6 | 32.4 | |
| 8.0 | 35 | 5.8 | 10.6 | K | 8.7 | | 24.8 | 45.7 | K | 9.5 | 39 | 17.6 | 13.5 | | 9.0 | | 32.3 | 51.7 | K | 9.1 | | 40.3 | 44.8 | K |
| 8.4 | 36 | 1.8 | 32.4 | K | 9.5 | 9 | 0.3 | 1.8 | | 9.5 | 40 | 49.4 | 8.1 | | 9.5 | | 40.7 | 56.7 | | 9.5 | | 41.5 | 50.0 | |
| 9.5 | | 39.0 | 12.1 | B | 9.2 | 10 | 38.8 | 24.1 | Kb | 9.5 | 41 | 6.8 | 35.8 | | 9.2 | 3 | 22.0 | 58.7 | | 8.8 | | 50.8 | 19.3 | K |
| 9.5 | | 53.5 | 19.0 | | 9.4 | 11 | 21.4 | 13.9 | B | 9.5 | | 11.9 | 58.5 | | 9.2 | 5 | 15.0 | 50.9 | K | 9.5 | 29 | 11.3 | 23.5 | |
| 9.5 | 37 | 27.2 | 49.8 | | 9.4 | | 23.6 | 6.9 | | 8.8 | | 47.8 | 55.1 | K | 7.8 | | 18.5 | 23.4 | Rb | 9.4 | | 22.6 | 0.8 | |
| 9.2 | | 59.2 | 14.5 | b | *var* | 12 | 16.5 | 9.4 | Kb | 9.5 | 42 | 9.2 | 50.8 | | 9.4 | 6 | 30.1 | 43.8 | | 9.3 | | 35.7 | 13.2 | |
| 9.4 | 38 | 24.8 | 47.9 | | 9.3 | | 24.3 | 27.2 | | 9.0 | | 9.6 | 46.4 | B | 9.0 | | 37.3 | 7.0 | Kb | 8.7 | | 48.3 | 15.4 | K |
| 7.9 | | 40.8 | 44.8 | K | 9.5 | | 58.8 | 55.8 | | 7.1 | | 16.7 | 11.2 | B | 7.8 | 7 | 15.9 | 59.0 | K | 9.5 | | 55.3 | 50.3 | |
| 9.5 | 39 | 58.5 | 12.5 | | 9.0 | 13 | 48.0 | 22.1 | | 9.5 | | 27.0 | 47.2 | aB | 9.5 | | 42.8 | 56.9 | | 9.2 | 30 | 2.8 | 44.1 | K |
| 9.5 | 40 | 1.7 | 42.7 | | 8.9 | 14 | 28.0 | 33.6 | | 8.8 | | 35.0 | 21.3 | | 9.1 | | 52.1 | 23.4 | K | 9.2 | | 21.3 | 43.0 | |
| 9.0 | | 8.9 | 22.8 | K | 9.2 | 15 | 20.8 | 42.9 | Bb | 8.8 | 44 | 37.4 | 50.9 | K | 8.6 | 8 | 9.2 | 51.4 | K | 9.0 | | 42.8 | 48.5 | K |
| 9.0 | 42 | 8.8 | 42.8 | K | 8.1 | 16 | 35.2 | 31.5 | B | 9.0 | | 43.1 | 9.2 | | 9.5 | | 15.3 | 59.4 | | 9.1 | | 53.0 | 8.8 | K |
| 8.6 | | 20.8 | 42.8 | K | 9.5 | | 42.8 | 42.8 | | 8.5 | | 51.8 | 39.6 | K | 9.5 | | 59.5 | 5.1 | | 9.5 | 31 | 38.9 | 2.2 | |
| 9.5 | 43 | 20.6 | 30.7 | | 8.1 | | 57.6 | 3.7 | K | 8.8 | 45 | 22.0 | 10.1 | K | 8.3 | 9 | 39.1 | 32.4 | K | 9.5 | | 42.6 | 22.7 | B |
| 8.7 | | 52.8 | 35.5 | K | 7.8 | 17 | 30.0 | 20.3 | K | 9.4 | 46 | 14.1 | 17.6 | | 9.5 | | 53.8 | 59.4 | | 9.5 | | 52.9 | 16.5 | |
| 9.5 | 44 | 23.0 | 28.9 | | 9.3 | | 52.6 | 48.6 | K | 9.5 | | 35.4 | 54.6 | | 9.5 | 10 | 21.4 | 0.3 | | 9.3 | 32 | 3.9 | 3.3 | aB |
| 9.5 | 45 | 8.1 | 19.6 | B | 9.5 | 18 | 24.8 | 44.4 | | 8.5 | | 40.8 | 33.4 | K | 9.0 | | 27.5 | 54.9 | K | 9.5 | | 56.8 | 8.2 | |
| 9.4 | | 18.9 | 40.7 | | 7.3 | 20 | 10.6 | 59.3 | K | 9.5 | | 59.5 | 26.5 | | 8.5 | 11 | 11.7 | 58.0 | K | 9.2 | 33 | 5.9 | 45.8 | aBb |
| 9.4 | | 19.6 | 35.2 | | 9.2 | | 32.8 | 54.6 | K | 8.3 | 48 | 33.8 | 45.8 | K | 7.2 | 12 | 7.1 | 9.0 | K | 9.4 | | 23.0 | 42.3 | |
| 6.7 | 46 | 40.8 | 30.7 | Lb | 9.0 | | 44.0 | 58.3 | K | 9.5 | 49 | 40.1 | 53.0 | | 9.5 | | 43.1 | 14.2 | | 9.3 | | 24.6 | 55.1 | |
| 8.2 | 47 | 52.4 | 59.8 | K | 9.3 | | 46.6 | 20.7 | b | 9.5 | | 47.1 | 0.2 | | 9.4 | | 51.8 | 44.4 | | 9.0 | 34 | 48.7 | 4.0 | K |
| 7.5 | 48 | 16.8 | 36.7 | Kb | 9.3 | 21 | 16.9 | 27.2 | | 9.5 | 50 | 29.8 | 2.1 | | 9.5 | 13 | 4.8 | 25.1 | | 9.5 | | 51.3 | 9.2 | |
| 8.2 | | 20.9 | 20.7 | K | 9.5 | | 53.5 | 54.8 | | 9.5 | 51 | 32.5 | 38.9 | | 9.1 | | 11.5 | 16.2 | K | 9.5 | 35 | 32.8 | 11.4 | |
| 9.1 | | 44.7 | 6.0 | K | 8.7 | | 54.9 | 13.1 | K | 8.7 | | 59.6 | 49.9 | K | 8.1 | | 23.6 | 58.9 | K | 9.4 | | 47.1 | 35.0 | B |
| 8.7 | | 48.1 | 0.7 | K | 9.5 | 22 | 14.4 | 22.4 | | 9.5 | 52 | 4.2 | 27.9 | | 9.5 | | 35.1 | 42.9 | B | 9.3 | 36 | 3.6 | 7.1 | |
| 9.2 | 49 | 13.5 | 25.6 | | 8.5 | | 47.2 | 52.0 | K | 8.9 | | 12.4 | 17.9 | R | 9.4 | | 50.9 | 0.9 | | 9.3 | | 40.5 | 25.3 | B |
| 9.5 | | 46.8 | 30.7 | | 9.5 | 23 | 12.0 | 1.9 | | 9.5 | | 20.9 | 8.6 | | 9.3 | 14 | 40.3 | 9.3 | | 8.5 | | 50.4 | 42.3 | |
| 6.3 | | 59.3 | 53.6 | K | 9.4 | | 32.5 | 24.0 | | 9.5 | | 37.1 | 11.7 | | 9.5 | 15 | 16.0 | 50.5 | | 9.4 | 37 | 7.9 | 55.9 | |
| 9.5 | 51 | 23.9 | 57.5 | | 9.5 | 24 | 10.0 | 34.1 | | 9.5 | | 55.5 | 46.8 | | 8.8 | 16 | 5.3 | 23.3 | K | 9.5 | | 12.3 | 43.3 | |
| 9.4 | | 52.0 | 4.0 | B | 9.4 | 25 | 26.5 | 8.8 | | 9.5 | 53 | 7.0 | 32.0 | | 8.9 | | 35.2 | 22.1 | K | 8.5 | | 31.3 | 40.7 | |
| 9.5 | 52 | 49.4 | 5.3 | | 9.3 | | 30.0 | 10.3 | Bb | 8.8 | | 16.9 | 10.8 | K | 9.5 | 17 | 10.3 | 35.1 | | 7.7 | 38 | 11.0 | 58.0 | K |
| 9.5 | 53 | 41.7 | 36.8 | | 9.3 | | 56.8 | 6.8 | | 9.1 | | 29.5 | 49.6 | K | 9.4 | | 20.5 | 3.6 | | 8.8 | | 45.3 | 5.8 | K |
| 7.3 | 54 | 26.8 | 11.3 | K | 9.4 | 26 | 5.9 | 5.3 | | 9.0 | 54 | 19.8 | 25.1 | K | 6.5 | | 23.8 | 39.6 | Kb | 8.6 | | 54.8 | 25.1 | K |
| 6.7 | 56 | 29.0 | 15.2 | L | 9.5 | 27 | 27.0 | 18.5 | | 9.5 | | 30.0 | 8.5 | | 7.8 | | 29.6 | 58.3 | K | 9.5 | 39 | 10.1 | 4.2 | |
| 9.4 | 57 | 21.7 | 5.5 | | 8.8 | | 31.7 | 58.9 | K | 9.4 | | 47.4 | 5.0 | B | 9.5 | | 38.3 | 22.3 | | 8.6 | | 15.2 | 51.3 | K |
| 9.0 | | 21.8 | 36.3 | K | 9.5 | | 59.8 | 16.2 | | 9.4 | | 50.1 | 8.3 | | 9.2 | 18 | 44.3 | 24.8 | B | 8.8 | | 30.8 | 32.7 | K |
| 9.5 | | 28.7 | 44.5 | | 9.5 | 28 | 30.8 | 32.4 | | 7.2 | 55 | 3.2 | 27.2 | K | 9.4 | | 53.4 | 23.6 | | 9.3 | | 39.3 | 54.5 | B |
| 9.4 | 58 | 24.5 | 16.3 | | 8.8 | | 38.5 | 30.3 | K | 9.4 | | 10.2 | 9.4 | aB | 8.0 | | 59.3 | 49.1 | K | 9.4 | 40 | 9.0 | 8.3 | |
| 8.0 | 59 | 23.4 | 54.8 | K | 9.4 | | 48.1 | 27.1 | | 9.3 | | 28.5 | 4.6 | B | 9.1 | 19 | 30.2 | 4.5 | Kb | 9.2 | | 14.8 | 25.1 | K |
| 9.5 | | 49.9 | 11.0 | | 9.2 | 29 | 35.4 | 15.2 | K | 7.8 | 56 | 5.4 | 17.6 | K | 9.3 | | 31.5 | 32.3 | B | 9.0 | | 25.8 | 46.8 | |
| 9.5 | 0 | 7.9 | 50.7 | | 9.4 | 30 | 12.5 | 12.4 | | 9.4 | | 7.7 | 12.0 | | 8.9 | 20 | 18.6 | 56.5 | K | 9.5 | | 59.5 | 40.4 | |
| 9.5 | | 35.2 | 16.6 | | 9.3 | | 54.0 | 15.5 | | 8.5 | | 23.8 | 27.6 | K | 9.2 | | 21.6 | 51.9 | K | 8.9 | 41 | 8.2 | 32.7 | |
| 9.2 | | 40.0 | 24.2 | b | 9.1 | 31 | 35.4 | 5.7 | K | 9.5 | | 40.7 | 12.8 | | 9.0 | | 37.8 | 23.7 | Kb | 9.0 | | 32.6 | 56.0 | |
| 9.5 | 1 | 46.2 | 57.9 | | 7.6 | 32 | 54.3 | 1.5 | K | 8.3 | 57 | 6.2 | 57.2 | Lb | 9.5 | | 52.3 | 45.9 | | 9.2 | 42 | 35.5 | 56.4 | |
| 7.8 | | 49.0 | 48.6 | K | 9.5 | 33 | 2.8 | 37.9 | | 9.5 | 58 | 2.7 | 58.1 | | 9.3 | | 58.0 | 1.8 | | 8.0 | | 44.0 | 41.0 | K |
| 9.5 | 2 | 25.1 | 2.5 | | 9.4 | | 25.6 | 7.6 | | 9.5 | | 4.5 | 53.8 | | 9.2 | 21 | 33.8 | 28.9 | L | 9.3 | 43 | 12.5 | 57.6 | |
| 9.2 | 3 | 33.2 | 0.7 | b | 8.4 | | 26.4 | 10.1 | Kb | 9.3 | | 42.1 | 49.0 | | 9.3 | | 44.8 | 16.1 | K | 9.0 | | 59.4 | 4.9 | K |
| 9.5 | 4 | 13.4 | 49.5 | | 9.3 | | 43.7 | 29.2 | B | 8.1 | | 42.5 | 55.1 | K | 9.5 | | 45.3 | 40.7 | | 9.1 | 44 | 9.0 | 51.6 | |
| 8.5 | | 18.8 | 41.0 | K | 9.5 | 34 | 0.0 | 10.9 | | 8.5 | 59 | 1.7 | 33.1 | K | 9.2 | 22 | 16.9 | 12.2 | aB | 9.4 | | 34.7 | 15.2 | a |
| 9.5 | | 28.7 | 30.3 | | 9.5 | | 39.5 | 20.0 | | 9.5 | | 16.0 | 59.5 | | 9.3 | 23 | 37.8 | 31.4 | K | 9.5 | | 40.1 | 27.3 | |
| 8.5 | 5 | 27.8 | 34.5 | K | 9.5 | 35 | 39.6 | 16.4 | | 9.5 | | 47.8 | 18.7 | | 9.3 | 24 | 11.5 | 33.5 | K | 9.4 | | 44.0 | 14.7 | aB |
| 9.4 | | 38.7 | 26.2 | | 9.1 | | 49.9 | 19.4 | aBb | 7.0 | 0 | 9.1 | 38.3 | K | 9.1 | 25 | 10.3 | 30.0 | K | 6.8 | 45 | 16.0 | 48.7 | K |
| 9.5 | 6 | 8.0 | 26.6 | | 9.5 | 36 | 29.9 | 27.9 | | 9.5 | | 55.1 | 23.1 | | 9.5 | | 30.8 | 40.3 | | 9.1 | | 18.5 | 8.2 | |
| 9.0 | | 23.9 | 22.8 | | 9.3 | | 43.9 | 44.1 | | 9.1 | 1 | 11.5 | 33.8 | K | 9.5 | | 48.5 | 4.0 | | 9.4 | | 38.4 | 6.6 | B |
| 8.0 | | 25.7 | 0.6 | K | 9.3 | | 53.5 | 38.1 | aBb | 9.5 | | 27.3 | 38.9 | | *9.5 | 26 | 2.5 | 16.1 | | 9.0 | | 49.2 | 8.3 | |
| 9.2 | | 59.6 | 0.5 | B | 7.3 | | 55.2 | 10.8 | K | 9.0 | | 32.8 | 46.1 | K | 9.4 | | 23.9 | 51.3 | | 9.0 | 46 | 16.5 | 5.8 | |
| 9.3 | 8 | 5.5 | 7.2 | | 8.8 | 37 | 15.0 | 7.0 | K | 9.4 | | 37.9 | 17.6 | aB | 9.1 | 27 | 33.8 | 44.5 | ab | 9.0 | | 17.1 | 13.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *24.96* | *2.46* | | *10pr.* | | *24.11* | *2.11* | | *10pr.* | | *23.48* | *1.77* | | *10pr.* | | *23.08* | *1.48* | | *10pr.* | | *22.75* | *1.18* | |

*2737 a*
*9.5* | *26* | *1.4* | *6.1* | *b*

2801—2860

| m | 16ʰ—17ʰ | +32° | |
|---|---|---|---|
| 8.4 | 46′ 20.4″ | 27.3 | K |
| 9.2 | 52.3 | 4.9 | |
| 9.2 | 47 8.6 | 41.5 | |
| 9.1 | 25.3 | 37.4 | B |
| 9.0 | 25.6 | 13.5 | |
| 8.8 | 27.3 | 50.4 | K |
| 9.5 | 48 48.8 | 22.1 | |
| 9.5 | 49 18.2 | 57.9 | |
| 9.5 | 18.3 | 25.1 | |
| 8.4 | 21.4 | 54.2 | K |
| 9.2 | 28.7 | 26.9 | aBb |
| 9.5 | 31.0 | 37.2 | |
| 8.9 | 51.0 | 54.2 | K |
| 9.0 | 50 6.1 | 52.5 | K |
| 9.5 | 51.6 | 50.0 | |
| 9.5 | 52.5 | 6.4 | |
| 9.4 | 55.1 | 8.2 | aB |
| 9.4 | 51 1.4 | 6.2 | |
| 9.4 | 44.5 | 3.5 | |
| 8.0 | 45.3 | 27.8 | K |
| 9.5 | 52 8.5 | 27.8 | a |
| 9.5 | 13.6 | 29.3 | aB |
| 9.0 | 30.5 | 27.6 | K |
| 8.8 | 45.2 | 1.1 | K |
| 9.3 | 55.6 | 23.1 | |
| 9.5 | 58.0 | 44.2 | |
| 9.3 | 53 55.6 | 40.7 | |
| 9.0 | 54 19.5 | 48.3 | |
| 9.0 | 21.9 | 57.8 | K |
| 9.5 | 55 4.0 | 6.1 | |
| 8.8 | 56 4.3 | 15.6 | |
| 9.2 | 16.0 | 57.6 | |
| 8.5 | 20.1 | 29.7 | K |
| 7.9 | 28.5 | 43.8 | K |
| 7.4 | 49.0 | 6.1 | K |
| 9.5 | 57 35.5 | 15.9 | B |
| 9.0 | 42.0 | 42.8 | |
| 9.0 | 46.1 | 46.3 | |
| 9.0 | 50.1 | 49.4 | |
| 8.8 | 58 0.2 | 8.1 | K |
| 9.2 | 12.8 | 5.3 | K |
| 9.5 | 31.3 | 3.9 | |
| 9.3 | 38.4 | 50.5 | aB |
| 8.5 | 43.1 | 46.1 | Kb |
| 9.5 | 57.8 | 8.3 | |
| 9.0 | 59 41.5 | 13.4 | B |
| 9.4 | 0 0.3 | 18.0 | |
| 8.5 | 40.5 | 22.5 | K |
| 9.3 | 1 12.6 | 26.3 | |
| 9.5 | 57.2 | 25.9 | |
| 9.5 | 2 2.2 | 56.4 | |
| 7.2 | 30.7 | 17.9 | B |
| 9.3 | 32.8 | 46.9 | |
| 9.3 | 38.7 | 35.1 | aB |
| 8.8 | 3 9.8 | 19.3 | K |
| 9.3 | 43.1 | 32.0 | aK |
| 9.4 | 53.6 | 18.9 | aB |
| 9.3 | 4 16.5 | 12.5 | |
| 9.4 | 27.5 | 8.3 | |
| 9.5 | 31.9 | 12.8 | |
| 10pr. | | + 22.53 | — 0.93 |

2861—2920

| m | 17ʰ | +32° | |
|---|---|---|---|
| 9.1 | 4′ 32.7″ | 32.4 | b |
| 7.0 | 5 21.4 | 22.1 | L |
| 9.5 | 36.2 | 30.0 | |
| 9.2 | 6 28.4 | 8.1 | |
| 9.1 | 34.7 | 14.8 | K |
| 9.4 | 43.4 | 26.3 | |
| 9.5 | 7 4.1 | 15.6 | |
| 9.2 | 17.4 | 46.1 | K |
| 9.4 | 47.8 | 7.7 | |
| 8.8 | 54.7 | 20.0 | |
| 8.9 | 8 37.6 | 33.8 | K |
| 9.4 | 9 44.8 | 27.4 | |
| 7.9 | 58.3 | 44.0 | B |
| 8.0 | 10 2.7 | 15.2 | K |
| 9.4 | 7.3 | 23.7 | |
| 9.4 | 31.7 | 39.3 | |
| 8.3 | 48.6 | 59.8 | K |
| 8.4 | 11 13.8 | 38.6 | K |
| 9.4 | 30.1 | 58.1 | |
| 9.4 | 42.0 | 58.4 | |
| 9.1 | 43.1 | 5.9 | |
| 9.5 | 56.2 | 36.8 | |
| 8.4 | 12 4.2 | 14.4 | |
| 9.0 | 33.4 | 37.6 | K |
| 8.8 | 40.2 | 29.0 | |
| 8.7 | 51.9 | 50.8 | K |
| 9.2 | 58.9 | 54.1 | |
| 8.7 | 59.9 | 48.6 | K |
| 9.3 | 13 35.3 | 17.8 | |
| 9.3 | 40.9 | 7.0 | aB |
| 9.1 | 50.4 | 29.3 | |
| 9.5 | 55.3 | 59.6 | |
| 9.1 | 14 21.5 | 16.3 | |
| 9.3 | 40.7 | 48.4 | |
| 9.3 | 15 12.4 | 16.5 | |
| 5.7 | 15.2 | 39.6 | Kb |
| 9.4 | 16.0 | 5.7 | |
| 7.0 | 21.7 | 49.9 | K |
| 9.0 | 47.4 | 40.3 | K |
| 9.5 | 16 6.6 | 4.7 | |
| 9.3 | 25.4 | 40.0 | |
| 8.3 | 38.8 | 8.1 | R |
| 9.5 | 47.5 | 55.5 | |
| 9.5 | 18 21.5 | 52.1 | |
| 9.2 | 22.0 | 6.5 | K |
| 9.2 | 49.5 | 54.9 | |
| 8.7 | 19 3.9 | 58.3 | K |
| 9.5 | 6.4 | 17.3 | |
| 8.8 | 11.3 | 23.4 | K |
| 8.8 | 14.1 | 25.5 | K |
| 7.0 | 15.7 | 47.9 | K |
| 9.5 | 26.7 | 8.4 | |
| 9.5 | 27.2 | 29.3 | |
| 9.5 | 20 3.9 | 52.8 | |
| 9.5 | 36.2 | 16.3 | |
| 9.5 | 46.4 | 53.2 | |
| 8.9 | 47.1 | 39.0 | K |
| 9.3 | 21 9.5 | 58.6 | |
| 9.3 | 10.7 | 10.9 | |
| 9.3 | 17.6 | 37.9 | K |
| 10pr. | | + 22.37 | — 0.67 |

2921—2980

| m | 17ʰ | +32° | |
|---|---|---|---|
| 9.5 | 21′ 36.5″ | 6.3 | |
| 9.4 | 51.4 | 42.4 | aB |
| 8.0 | 22 9.4 | 55.4 | Kb |
| 9.5 | 36.1 | 49.3 | |
| 9.4 | 23 58.6 | 9.5 | aB |
| 9.5 | 59.5 | 11.5 | |
| 9.4 | 59.7 | 48.6 | |
| 9.4 | 24 2.4 | 51.9 | |
| 8.2 | 4.6 | 49.4 | K |
| 9.4 | 11.3 | 7.2 | |
| 9.0 | 27.4 | 24.1 | |
| 9.4 | 51.1 | 29.0 | |
| 9.3 | 26 6.4 | 23.2 | |
| 9.4 | 7.2 | 48.6 | |
| 9.2 | 31.3 | 16.4 | aB |
| 8.5 | 32.7 | 47.5 | K |
| 9.3 | 48.2 | 12.9 | |
| 9.0 | 27 14.2 | 39.7 | K |
| 9.5 | 14.7 | 21.6 | |
| 9.5 | 30.7 | 41.7 | |
| 8.6 | 38.6 | 4.3 | |
| 9.4 | 40.0 | 29.6 | |
| 9.5 | 45.8 | 58.1 | |
| 9.1 | 28 19.0 | 2.3 | K |
| 9.2 | 21.2 | 1.0 | aB |
| 9.2 | 22.8 | 6.6 | K |
| 9.5 | 29 13.2 | 9.4 | |
| 7.7 | 20.0 | 31.4 | K |
| 9.5 | 36.7 | 49.5 | |
| 9.2 | 45.7 | 21.0 | K |
| 8.5 | 30 7.2 | 44.4 | K |
| 9.3 | 29.5 | 11.1 | K |
| 9.3 | 36.0 | 7.1 | K |
| 9.5 | 36.2 | 29.6 | |
| 9.3 | 58.5 | 53.8 | K |
| 8.9 | 31 7.7 | 48.5 | K |
| 9.5 | 19.7 | 14.9 | |
| 9.4 | 54.1 | 44.7 | B |
| 8.9 | 32 10.5 | 22.7 | Kb |
| 9.5 | 41.7 | 50.8 | |
| 9.5 | 46.2 | 7.7 | |
| 9.4 | 33 5.1 | 46.2 | aB |
| 8.8 | 14.9 | 10.7 | |
| 7.0 | 28.2 | 49.3 | Kb |
| 9.4 | 28.9 | 46.1 | B |
| 9.2 | 35 0.2 | 31.8 | K |
| 9.5 | 11.2 | 57.1 | |
| 9.3 | 34.2 | 26.2 | Kb |
| 9.4 | 36 21.7 | 19.0 | |
| 9.3 | 43.3 | 51.7 | |
| 9.3 | 56.2 | 44.5 | |
| 9.3 | 37 14.5 | 59.9 | |
| 8.6 | 26.7 | 21.7 | K |
| 9.4 | 51.2 | 14.9 | |
| 9.5 | 38 15.7 | 7.3 | |
| 9.3 | 28.4 | 54.2 | |
| 9.4 | 41.2 | 49.6 | |
| 9.4 | 46.9 | 12.5 | |
| 9.4 | 52.2 | 32.7 | |
| 9.1 | 40 29.0 | 53.6 | |
| 10pr. | | + 22.27 | — 0.44 |

2981—3040

| m | 17ʰ | +32° | |
|---|---|---|---|
| 9.2 | 40′ 57.7″ | 48.6 | |
| 9.2 | 41 3.2 | 19.3 | K |
| 9.4 | 37.4 | 23.8 | |
| 9.3 | 43.4 | 24.6 | B |
| 9.3 | 45.7 | 37.9 | |
| 9.3 | 42 11.3 | 53.3 | |
| 8.3 | 39.2 | 42.7 | K |
| 9.5 | 59.9 | 1.3 | B |
| 9.5 | 43 17.2 | 53.8 | |
| 9.5 | 30.2 | 41.3 | |
| 9.5 | 52.4 | 45.2 | |
| 9.4 | 54.2 | 38.9 | |
| 8.7 | 45 45.2 | 33.4 | |
| 8.7 | 46 45.7 | 44.1 | |
| 7.0 | 48.9 | 3.0 | B |
| 9.3 | 51.1 | 6.2 | |
| 9.5 | 47 19.7 | 41.3 | |
| 9.5 | 49.2 | 44.2 | |
| 7.7 | 48 5.1 | 24.1 | B |
| 9.5 | 41.7 | 32.1 | |
| 9.5 | 51.6 | 5.5 | |
| 9.4 | 49 22.2 | 15.2 | |
| 9.5 | 41.5 | 52.8 | |
| 7.0 | 50 3.9 | 29.0 | L |
| 8.5 | 27.7 | 40.0 | L |
| 8.5 | 30.4 | 42.0 | L |
| 9.4 | 30.5 | 21.0 | |
| 8.9 | 41.4 | 11.9 | |
| 9.5 | 57.5 | 56.5 | |
| 8.7 | 51 1.9 | 13.0 | R |
| 9.4 | 10.7 | 47.5 | |
| 8.7 | 30.3 | 37.4 | B |
| 9.5 | 34.5 | 48.6 | |
| 9.4 | 47.8 | 55.7 | B |
| 9.4 | 52 0.0 | 52.7 | |
| 9.2 | 33.3 | 7.0 | K |
| 6.7 | 44.2 | 40.9 | K |
| 8.8 | 49.6 | 10.3 | K |
| 9.4 | 52.2 | 8.4 | a |
| 9.3 | 53 16.2 | 32.1 | |
| 9.2 | 19.3 | 49.2 | K |
| 9.3 | 23.8 | 12.8 | B |
| 9.1 | 29.0 | 5.3 | |
| 9.0 | 41.7 | 29.0 | |
| 9.5 | 54 3.9 | 56.0 | |
| 9.5 | 27.2 | 39.0 | |
| 9.5 | 46.9 | 56.3 | |
| 9.5 | 55 16.7 | 38.9 | |
| 9.5 | 32.8 | 4.5 | |
| 9.5 | 47.2 | 33.8 | |
| 9.5 | 55.2 | 51.3 | |
| 9.5 | 57.7 | 47.2 | |
| 9.4 | 56 39.2 | 37.0 | |
| 9.5 | 57 28.4 | 55.1 | |
| 9.3 | 30.7 | 45.1 | R |
| 9.3 | 44.1 | 2.9 | |
| 9.5 | 58 10.0 | 12.7 | |
| 8.6 | 10.7 | 47.1 | Kb |
| 9.4 | 21.5 | 6.8 | |
| 9.2 | 28.7 | 0.4 | |
| 10pr. | | + 22.21 | — 0.13 |

3041—3100

| m | 17ʰ—18ʰ | +32° | |
|---|---|---|---|
| 9.5 | 58′ 40.7″ | 23.1 | |
| 9.5 | 59 16.7 | 26.9 | |
| 8.5 | 17.7 | 35.5 | K |
| 9.5 | 34.2 | 12.2 | |
| 9.4 | 0 12.1 | 3.6 | |
| 9.0 | 19.7 | 16.0 | K |
| 6.0 | 25.5 | 13.9 | K |
| 9.5 | 58.7 | 44.0 | |
| 9.4 | 1 42.7 | 21.1 | |
| 9.5 | 2 0.7 | 45.1 | |
| 9.0 | 26.8 | 55.6 | K |
| 9.1 | 30.3 | 6.3 | |
| 9.2 | 36.5 | 48.5 | |
| 9.3 | 44.2 | 46.8 | |
| 9.5 | 3 12.7 | 5.6 | |
| 9.2 | 30.2 | 52.7 | |
| 9.5 | 51.5 | 57.5 | |
| 9.5 | 56.7 | 44.8 | |
| 9.4 | 4 5.7 | 36.2 | |
| 9.5 | 52.4 | 3.0 | |
| 8.0 | 5 2.8 | 20.3 | K |
| 8.9 | 20.7 | 9.8 | R |
| 9.5 | 34.0 | 8.1 | |
| 9.1 | 43.7 | 56.5 | K |
| 9.5 | 44.9 | 38.6 | |
| 9.4 | 45.6 | 24.6 | aB |
| 9.5 | 46.8 | 23.5 | aB |
| 9.2 | 53.4 | 6.7 | B |
| 9.4 | 6 22.4 | 58.6 | |
| 9.5 | 25.9 | 52.0 | |
| 9.0 | 37.2 | 5.0 | |
| 9.5 | 57.4 | 53.3 | |
| 9.5 | 7 4.4 | 11.3 | |
| 9.3 | 30.8 | 15.1 | |
| 9.4 | 48.3 | 11.3 | |
| 8.5 | 8 31.1 | 14.5 | K |
| 9.3 | 33.5 | 10.5 | B |
| 9.0 | 56.8 | 20.0 | K |
| 9.3 | 9 11.1 | 42.6 | |
| 9.2 | 24.2 | 40.2 | b |
| 9.0 | 46.4 | 47.2 | |
| 9.5 | 10 20.5 | 11.0 | |
| 9.5 | 39.7 | 53.3 | |
| 9.4 | 42.0 | 39.5 | |
| 8.7 | 54.6 | 14.1 | L |
| 9.5 | 11 16.8 | 13.0 | B |
| 9.3 | 43.5 | 36.5 | |
| 9.1 | 12 0.6 | 31.7 | K |
| 9.1 | 12.7 | 49.2 | K |
| 9.5 | 25.8 | 5.2 | |
| 9.1 | 42.5 | 22.2 | |
| 9.5 | 13 16.7 | 11.2 | B |
| 9.3 | 29.5 | 10.9 | B |
| 9.1 | 32.1 | 44.0 | |
| 7.7 | 30.9 | 59.6 | K |
| 8.5 | 41.2 | 32.3 | |
| 8.9 | 56.6 | 4.1 | |
| 9.3 | 14 6.1 | 49.9 | |
| 8.7 | 19.6 | 8.7 | |
| 9.5 | 42.0 | 9.3 | |
| 10pr. | | + 22.21 | + 0.10 |

3101—3160

| | 18ᵐ | +32° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 15 15.6 | 16.1 | |
| 9.5 | 26.1 | 9.0 | |
| 9.2 | 30.8 | 15.8 | |
| 7.3 | 51.5 | 50.2 | L |
| 9.0 | 56.4 | 40.3 | |
| 7.4 | 58.3 | 51.9 | L |
| 9.2 | 16 3.4 | 47.4 | aB |
| 9.0 | 8.0 | 30.4 | |
| 7.5 | 24.1 | 12.7 | K |
| 9.2 | 28.1 | 9.3 | B |
| 8.2 | 33.7 | 26.5 | K |
| 8.3 | 39.2 | 50.9 | B |
| 9.3 | 40.2 | 10.3 | |
| 9.5 | 17 36.8 | 30.5 | |
| 9.1 | 18 4.3 | 47.6 | |
| 9.1 | 21.4 | 21.0 | K |
| 9.1 | 34.5 | 47.9 | |
| 7.8 | 19 1.6 | 3.7 | Lb |
| 8.6 | 14.3 | 42.4 | |
| 9.4 | 36.2 | 14.9 | |
| 8.8 | 20 37.7 | 8.0 | R |
| 9.0 | 46.6 | 30.9 | |
| 9.0 | 49.3 | 15.5 | |
| 9.5 | 21 9.4 | 2.9 | |
| 9.5 | 36.3 | 0.3 | |
| 9.5 | 43.5 | 1.7 | |
| 9.5 | 22 10.4 | 50.5 | |
| 9.1 | 31.9 | 44.9 | |
| 8.5 | 37.5 | 21.7 | K |
| 9.5 | 23 1.2 | 56.4 | |
| 9.4 | 33.8 | 4.4 | |
| 8.7 | 35.2 | 50.5 | B |
| 9.5 | 24 5.2 | 13.4 | |
| 8.1 | 7.9 | 53.2 | K |
| 9.0 | 9.7 | 44.9 | K |
| 8.7 | 12.1 | 57.0 | K |
| 8.2 | 14.1 | 39.6 | K |
| 9.3 | 29.1 | 16.4 | B |
| 9.5 | 49.5 | 3.3 | |
| 8.9 | 57.5 | 41.6 | |
| 7.7 | 25 9.4 | 32.7 | K |
| 9.5 | 38.6 | 47.9 | |
| 7.2 | 42.9 | 9.2 | K |
| 9.4 | 45.8 | 59.0 | aB |
| 9.3 | 49.2 | 59.1 | aB |
| 9.4 | 26 8.1 | 36.8 | |
| 9.4 | 30.0 | 57.3 | |
| 9.5 | 51.5 | 44.0 | |
| 9.2 | 27 2.0 | 44.1 | Bb |
| 9.5 | 19.3 | 18.6 | |
| 9.5 | 51.2 | 4.1 | |
| 8.3 | 28 31.4 | 2.1 | |
| 9.5 | 29 9.5 | 51.3 | |
| 9.5 | 13.9 | 10.2 | |
| 9.2 | 25.5 | 39.8 | b |
| 9.3 | 45.8 | 6.2 | |
| 9.4 | 30 15.8 | 21.3 | |
| 9.2 | 56.6 | 8.6 | K |
| 9.2 | 31 18.7 | 17.6 | K |
| 9.3 | 54.5 | 59.0 | |
| | + | + | |
| 10pr. | 22.24 | 0.34 | |

3161—3220

| | 18ᵐ | +32° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 32 8.5 | 19.2 | K |
| 9.2 | 17.0 | 27.5 | K |
| 9.3 | 19.5 | 36.5 | |
| 8.8 | 32.7 | 7.2 | |
| 9.4 | 42.4 | 22.4 | |
| 9.3 | 43.0 | 30.1 | aB |
| 9.4 | 55.9 | 31.1 | |
| 9.4 | 33 18.7 | 31.4 | |
| 9.3 | 18.9 | 54.4 | |
| 9.5 | 29.8 | 44.4 | |
| 9.4 | 29.8 | 19.0 | |
| 8.1 | 34.8 | 6.0 | K |
| 9.3 | 40.5 | 37.1 | |
| 9.4 | 47.2 | 58.0 | |
| 9.1 | 50.8 | 34.1 | b |
| 9.4 | 34 8.1 | 29.0 | |
| 9.3 | 16.5 | 10.7 | |
| 9.3 | 35 11.8 | 22.8 | |
| 9.3 | 20.4 | 34.6 | aB |
| 9.3 | 25.3 | 59.4 | |
| 9.4 | 33.1 | 15.2 | |
| 9.4 | 36 12.8 | 55.4 | |
| 9.3 | 14.5 | 43.0 | |
| 9.5 | 23.4 | 2.2 | |
| 9.5 | 30.1 | 18.6 | |
| 9.5 | 32.3 | 12.0 | |
| 9.5 | 37 11.1 | 22.8 | |
| 9.5 | 38 4.9 | 59.5 | |
| 9.5 | 39.1 | 16.2 | |
| 9.0 | 41.7 | 8.8 | |
| 9.4 | 52.0 | 13.7 | |
| 9.5 | 39 6.3 | 5.1 | |
| 9.2 | 9.7 | 48.6 | |
| 9.4 | 22.8 | 33.2 | |
| 9.3 | 58.5 | 35.7 | |
| 8.6 | 40 5.6 | 17.2 | K |
| 9.5 | 12.8 | 26.1 | aB |
| 8.7 | 14.7 | 9.3 | K |
| 8.8 | 21.6 | 14.2 | K |
| 9.2 | 26.2 | 46.8 | |
| 8.6 | 34.9 | 12.7 | K |
| 9.4 | 43.2 | 33.0 | |
| 8.9 | 51.1 | 8.8 | K |
| 9.3 | 59.9 | 2.4 | |
| 9.1 | 41 12.1 | 1.2 | |
| 9.1 | 18.2 | 28.8 | |
| 9.2 | 20.0 | 45.3 | |
| 9.5 | 21.9 | 33.1 | |
| 9.5 | 24.2 | 45.5 | |
| 8.7 | 42.1 | 7.8 | K |
| 9.5 | 59.9 | 21.7 | b |
| 8.8 | 42 11.1 | 9.5 | K |
| 9.5 | 15.0 | 52.5 | |
| 8.8 | 23.1 | 50.5 | B |
| 9.2 | 29.0 | 36.9 | K |
| 9.5 | 38.6 | 6.1 | B |
| 9.5 | 49.7 | 2.6 | |
| 9.1 | 53.1 | 48.7 | Kb |
| 9.0 | 43 2.1 | 55.1 | |
| 7.2 | 5.1 | 37.1 | K |
| | + | + | |
| 10pr. | 22.32 | 0.56 | |

3221—3280

| | 18ᵐ | +32° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.5 | 43 18.0 | 20.3 | |
| 9.5 | 45.8 | 50.6 | |
| 9.1 | 55.6 | 30.5 | |
| 9.4 | 44 0.3 | 8.0 | |
| 9.5 | 15.1 | 13.4 | |
| 9.0 | 21.6 | 48.7 | |
| 6.3 | 23.0 | 38.7 | S |
| 5.5 | 28.7 | 23.5 | Lb |
| 9.4 | 45 6.1 | 15.5 | |
| 9.3 | 19.4 | 15.8 | aB |
| 9.3 | 23.5 | 15.1 | |
| 9.5 | 39.2 | 59.8 | |
| 9.5 | 44.8 | 17.2 | |
| 9.5 | 54.1 | 55.2 | |
| 9.5 | 46 3.7 | 26.3 | |
| 9.0 | 37.1 | 12.2 | |
| 8.6 | 47 15.4 | 13.9 | K |
| 9.3 | 16.0 | 11.9 | |
| 8.9 | 32.1 | 13.9 | B |
| 9.4 | 40.2 | 57.5 | |
| 9.5 | 41.3 | 38.3 | |
| 9.0 | 42.4 | 34.3 | B |
| 9.0 | 46.0 | 13.6 | B |
| 9.3 | 46.5 | 34.1 | |
| 9.3 | 48 5.9 | 26.0 | |
| 9.0 | 12.3 | 50.8 | |
| 9.5 | 24.6 | 15.6 | |
| 8.7 | 30.4 | 3.9 | K |
| 9.0 | 46.3 | 3.8 | K |
| 9.0 | 49 14.4 | 54.0 | K |
| 9.5 | 15.3 | 59.5 | |
| 9.2 | 27.1 | 49.0 | K |
| 7.4 | 48.3 | 25.4 | B |
| 7.7 | 50.8 | 13.4 | L |
| 7.6 | 54.6 | 27.6 | B |
| 9.5 | 50 3.6 | 16.6 | |
| 9.5 | 4.5 | 25.9 | |
| 9.1 | 8.5 | 6.1 | aB |
| 9.4 | 10.6 | 3.5 | |
| 9.2 | 10.9 | 2.1 | |
| 8.7 | 15.1 | 9.9 | |
| 9.5 | 24.0 | 18.7 | |
| 9.0 | 59.3 | 58.4 | K |
| 9.5 | 51 2.7 | 31.5 | |
| 9.3 | 4.3 | 22.1 | |
| 9.2 | 10.5 | 19.9 | a |
| 6.7 | 35.3 | 42.9 | Lb |
| 9.1 | 52 1.5 | 11.4 | aB |
| 9.5 | 1.8 | 15.9 | |
| 9.1 | 6.3 | 26.0 | |
| 8.0 | 9.3 | 48.0 | L |
| 9.4 | 11.1 | 7.1 | |
| 9.5 | 19.6 | 1.9 | |
| 9.4 | 22.5 | 56.8 | |
| 8.5 | 24.9 | 40.3 | |
| 8.7 | 34.9 | 32.2 | B |
| 9.5 | 44.3 | 5.0 | |
| 9.3 | 53.1 | 53.9 | |
| 9.2 | 53 1.3 | 50.7 | |
| 8.5 | 3.3 | 11.2 | |
| | + | + | |
| 10pr. | 22.39 | 0.71 | |

3281—3340

| | 18ᵐ—19ᵐ | +32° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 53 5.2 | 25.9 | |
| 8.9 | 7.1 | 47.7 | |
| 9.3 | 19.8 | 57.6 | |
| 8.9 | 20.9 | 25.8 | B |
| 8.8 | 27.7 | 16.2 | |
| 3.2 | 31.3 | 29.2 | S |
| 7.4 | 38.8 | 55.5 | K |
| 9.5 | 48.7 | 1.5 | |
| 9.1 | 52.2 | 49.8 | |
| 9.5 | 54 3.8 | 55.2 | |
| 9.5 | 26.3 | 12.7 | |
| 9.5 | 43.3 | 8.5 | |
| 9.4 | 55 14.8 | 8.8 | |
| 9.5 | 14.8 | 48.3 | |
| 9.5 | 24.4 | 19.1 | |
| 9.5 | 33.6 | 20.6 | |
| 9.1 | 54.3 | 28.5 | K |
| 9.5 | 59.2 | 46.0 | |
| 8.0 | 56 2.3 | 11.2 | K |
| 9.0 | 10.3 | 40.3 | Kb |
| 9.5 | 57 5.7 | 7.5 | |
| 9.5 | 18.3 | 14.7 | |
| 9.2 | 26.0 | 46.1 | K |
| 9.3 | 58.2 | 20.2 | |
| 8.4 | 58 37.2 | 49.6 | |
| 8.5 | 48.8 | 32.4 | |
| 9.3 | 55.9 | 46.7 | |
| 9.0 | 56.5 | 17.1 | |
| 9.5 | 59 18.2 | 18.8 | aB |
| 9.5 | 24.7 | 50.2 | |
| 9.5 | 25.7 | 18.9 | aB |
| 9.5 | 28.7 | 20.4 | |
| 9.5 | 31.9 | 18.5 | |
| 9.4 | 46.4 | 35.7 | |
| 9.4 | 47.1 | 31.7 | |
| 9.4 | 0 5.0 | 44.8 | |
| 9.4 | 10.3 | 21.6 | |
| 9.4 | 11.1 | 27.0 | |
| 9.0 | 15.9 | 33.4 | |
| 9.2 | 49.8 | 32.2 | |
| 8.0 | 52.2 | 5.5 | B |
| 9.1 | 54.1 | 59.2 | |
| 8.4 | 1 40.5 | 1.3 | K |
| 9.3 | 48.7 | 43.4 | |
| 9.0 | 48.8 | 17.7 | K |
| 6.0 | 56.3 | 16.2 | Kb |
| 9.4 | 2 18.4 | 45.3 | |
| 9.4 | 21.1 | 42.6 | |
| 9.5 | 22.0 | 21.4 | |
| 9.3 | 44.7 | 0.6 | |
| 9.3 | 56.1 | 15.7 | K |
| 9.3 | 3 6.8 | 55.8 | |
| 9.5 | 24.5 | 12.0 | |
| 8.4 | 37.9 | 2.3 | |
| 8.0 | 52.3 | 38.1 | Kb |
| 9.0 | 4 4.2 | 27.8 | |
| 9.4 | 20.9 | 36.4 | B |
| 8.5 | 32.4 | 10.8 | B |
| 8.2 | 38.9 | 38.1 | B |
| 9.5 | 45.0 | 35.7 | |
| | + | + | |
| 10pr. | 22.48 | 0.86 | |

3341—3400

| | 19ᵐ | +32° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 4 45.5 | 1.4 | |
| 8.7 | 56.3 | 59.6 | K |
| 9.3 | 5 4.1 | 29.0 | |
| 8.6 | 6.9 | 0.0 | B |
| 9.1 | 15.5 | 10.2 | |
| 8.5 | 16.7 | 51.4 | |
| 9.2 | 29.2 | 46.2 | |
| 9.5 | 44.6 | 27.2 | |
| 9.3 | 51.8 | 29.9 | |
| 8.7 | 6 9.7 | 22.5 | |
| 9.5 | 11.1 | 14.0 | |
| 9.4 | 19.6 | 37.4 | |
| 9.5 | 31.3 | 47.7 | |
| 7.6 | 46.6 | 0.4 | K |
| 9.5 | 50.4 | 2.3 | |
| 9.0 | 7 2.0 | 27.5 | |
| 8.9 | 2.8 | 6.6 | K |
| 8.8 | 12.8 | 32.7 | B |
| 9.3 | 20.7 | 22.8 | |
| 9.5 | 8 10.5 | 15.9 | |
| 9.2 | 25.2 | 18.1 | K |
| 9.1 | 26.7 | 37.1 | |
| 9.5 | 31.0 | 45.4 | |
| 9.2 | 35.3 | 12.4 | |
| 8.5 | 36.9 | 44.4 | B |
| 9.5 | 50.5 | 2.7 | |
| 9.4 | 9 5.6 | 36.9 | |
| 8.6 | 9.3 | 22.7 | K |
| 9.5 | 10.2 | 43.0 | |
| 9.5 | 22.0 | 29.7 | |
| 9.5 | 52.5 | 56.2 | |
| 8.8 | 58.3 | 41.1 | K |
| 8.9 | 59.1 | 46.5 | K |
| 9.2 | 10 20.2 | 31.2 | |
| 9.1 | 34.1 | 36.4 | |
| 9.2 | 36.5 | 25.8 | |
| 9.1 | 48.0 | 15.0 | |
| 9.3 | 11 17.2 | 39.7 | |
| 7.5 | 18.1 | 52.4 | K |
| 9.4 | 20.8 | 23.7 | aB |
| 9.1 | 37.7 | 4.5 | aB |
| 9.5 | 49.3 | 34.8 | |
| 9.4 | 51.0 | 6.4 | |
| 9.4 | 12 7.8 | 28.1 | |
| 9.5 | 13.6 | 3.2 | |
| 9.3 | 18.9 | 11.4 | |
| 9.5 | 13 5.0 | 59.9 | |
| 9.3 | 26.7 | 8.0 | |
| 9.3 | 32.2 | 32.4 | |
| 9.3 | 38.6 | 3.6 | |
| 9.0 | 51.6 | 27.2 | B |
| 9.5 | 14 6.0 | 20.5 | |
| 9.0 | 39.6 | 15.4 | K |
| 9.3 | 41.1 | 3.3 | |
| 9.5 | 53.3 | 53.5 | |
| 9.3 | 15 2.4 | 28.2 | |
| 8.8 | 21.6 | 25.0 | Kb |
| 8.9 | 25.6 | 27.0 | K |
| 9.3 | 26.1 | 35.6 | |
| 9.3 | 35.4 | 0.3 | B |
| | + | + | |
| 10pr. | 22.59 | 1.00 | |

3401—3460

| | 19ʰ | | | +32° | |
|---|---|---|---|---|---|
| m | | ′ | ″ | ′ | |
| 8.7 | 15 | 54.7 | 49.4 | | K |
| 7.5 | | 57.8 | 24.5 | | K |
| 9.5 | 16 | 11.1 | 38.8 | | |
| 9.4 | | 21.2 | 43.0 | | |
| 9.5 | 17 | 2.6 | 22.3 | | |
| 9.5 | | 14.9 | 26.3 | | |
| 9.5 | | 18.8 | 47.0 | | |
| 7.8 | | 36.6 | 47.2 | | L |
| 9.2 | | 40.4 | 7.4 | | |
| 9.1 | | 54.5 | 9.6 | | |
| 6.9 | 18 | 6.4 | 55.8 | | L |
| 9.5 | | 12.9 | 52.7 | | B |
| 9.5 | | 12.9 | 49.0 | | |
| 9.5 | | 16.6 | 13.3 | | |
| 9.4 | | 22.5 | 4.9 | | |
| 7.5 | | 28.5 | 26.6 | | K |
| 8.7 | | 29.1 | 21.9 | | K |
| 9.0 | | 35.5 | 51.9 | | B |
| 9.2 | | 46.7 | 5.9 | | |
| 9.5 | | 50.2 | 26.7 | | |
| 9.1 | 19 | 7.0 | 47.9 | | b |
| 9.2 | | 18.4 | 23.4 | | K |
| 9.3 | | 40.3 | 26.2 | | |
| 8.6 | | 41.2 | 14.4 | | |
| 9.5 | | 43.3 | 54.1 | | |
| 9.5 | | 45.4 | 56.1 | | |
| 9.2 | | 50.4 | 9.7 | | |
| 9.3 | | 51.6 | 58.1 | | B |
| 9.5 | | 54.5 | 54.6 | | |
| 9.2 | 20 | 35.6 | 9.0 | | |
| 9.2 | | 54.8 | 43.0 | | |
| 9.0 | | 55.1 | 47.2 | | |
| 8.5 | | 57.0 | 53.4 | | |
| 8.0 | 21 | 7.6 | 3.2 | | 8 |
| 9.5 | | 13.0 | 5.0 | | |
| 9.5 | | 36.2 | 51.9 | | |
| 9.5 | | 37.9 | 24.3 | | aB |
| 8.7 | 22 | 3.1 | 20.3 | | K |
| 9.5 | | 5.6 | 4.9 | | |
| 9.3 | | 9.0 | 55.4 | | B |
| 8.3 | | 10.7 | 43.0 | | |
| 9.3 | | 35.2 | 42.4 | | |
| 8.9 | | 59.3 | 4.2 | | |
| 9.5 | | 59 6 | 20.6 | | |
| 9.3 | 23 | 8.4 | 40.5 | | |
| 8.8 | | 26.3 | 15.8 | | |
| 9.5 | | 29.9 | 54.3 | | |
| 9.5 | | 44.4 | 1.8 | | |
| 9.0 | 24 | 4.6 | 32.4 | | |
| 9.3 | | 23.4 | 56.3 | | |
| 9.5 | | 57.2 | 3.0 | | |
| 9.5 | 25 | 20.6 | 13.6 | | |
| 9.5 | | 28.2 | 8.5 | | |
| 9.3 | | 38.1 | 57.9 | | |
| 9.5 | | 40.6 | 29.2 | | |
| 9.2 | | 48.8 | 29.2 | | |
| 9.4 | | 58.3 | 30.2 | | |
| 9.2 | 26 | 4.4 | 43.5 | | |
| 8.2 | | 27.7 | 19.8 | | B |
| 8.9 | | 35.2 | 2.7 | | |
| 10pr. | | 22.72 | 1.15 | | |

3461—3520

| | 19ʰ | | | +32° | |
|---|---|---|---|---|---|
| m | | ′ | ″ | ′ | |
| 8.7 | 26 | 44.9 | 45.6 | | |
| 9.5 | 27 | 8.5 | 18.8 | | |
| 9.3 | | 13.6 | 20.8 | | K |
| 9.4 | | 16.2 | 32.5 | | |
| 9.1 | | 16.4 | 28.4 | | |
| 8.9 | | 21.8 | 3.3 | | K |
| 9.1 | | 31.4 | 57.9 | | |
| 9.4 | | 37.9 | 7.8 | | |
| 8.0 | | 38.4 | 35.0 | | B |
| 9.3 | | 42.9 | 35.6 | | |
| 8.7 | | 48.6 | 15.9 | | K |
| 9.5 | | 50.0 | 23.6 | | |
| 8.8 | | 59.5 | 47.1 | | |
| 7.0 | 28 | 2.9 | 53.0 | | L |
| 8.1 | | 3.5 | 11.0 | | K |
| 9.5 | | 8.4 | 27.7 | | |
| 9.5 | | 16.1 | 24.0 | | |
| 9.3 | | 20.3 | 30.7 | | |
| 9.3 | | 25.9 | 34.9 | | B |
| 8.4 | | 27.7 | 2.6 | | |
| 7.8 | | 36.6 | 41.5 | | K |
| 9.3 | | 37.1 | 24.0 | | |
| 9.5 | 29 | 0.4 | 39.3 | | |
| 9.0 | | 23.9 | 12.9 | | |
| 9.3 | | 37.0 | 7.5 | | |
| 8.2 | | 59.1 | 3.5 | | |
| 9.3 | 30 | 12.0 | 50.7 | | |
| 9.4 | | 41.2 | 24.7 | | |
| 9.0 | | 42.7 | 29.4 | | Bb |
| 9.5 | | 43.0 | 51.5 | | |
| 9.4 | | 47.5 | 6.7 | | |
| 9.2 | | 50.0 | 5.1 | | |
| 9.2 | | 52.5 | 6.7 | | |
| 9.5 | 31 | 7.9 | 4.1 | | |
| 9.4 | | 33.4 | 25.8 | | |
| 9.5 | | 44.2 | 1.0 | | |
| 9.4 | | 54.4 | 34.8 | | |
| 9.0 | 32 | 13.3 | 8.0 | | B |
| 9.5 | | 16.2 | 6.5 | | |
| 9.5 | | 22.4 | 1.5 | | |
| 9.1 | | 23.1 | 43.9 | | K |
| 9.2 | | 24.5 | 56.1 | | Kb |
| 9.5 | | 35.8 | 9.7 | | |
| 9.5 | | 52.4 | 39.3 | | |
| 9.3 | | 55.6 | 48.9 | | |
| 7.5 | 33 | 4.5 | 4.6 | | L |
| 9.5 | | 12.0 | 31.6 | | |
| 9.1 | | 19.2 | 22.0 | | |
| 7.9 | | 24.7 | 14.0 | | B |
| 9.4 | | 27.2 | 12.5 | | |
| 8.7 | | 29.0 | 25.9 | | |
| 8.2 | | 30.1 | 45.7 | | K |
| 9.4 | | 30.3 | 2.4 | | |
| 9.1 | | 48.2 | 16.0 | | B |
| 9.5 | | 53.0 | 4.1 | | |
| 9.4 | 34 | 0.0 | 11.9 | | |
| 9.5 | | 29.2 | 8.8 | | a |
| 9.5 | | 36.4 | 8.6 | | B |
| 9.0 | | 58.6 | 30.6 | | |
| 9.3 | 35 | 7.9 | 20.7 | | |
| 10pr. | | 22.86 | 1.29 | | |

3521—3580

| | 19ʰ | | | +32° | |
|---|---|---|---|---|---|
| m | | ′ | ″ | ′ | |
| 9.2 | 35 | 10.0 | 5.0 | | |
| var | | 23.5 | 17.0 | | B |
| 9.2 | | 42.4 | 7.5 | | |
| 9.4 | | 43.6 | 32.6 | | |
| 9.5 | | 53.2 | 53.3 | | |
| 7.0 | 36 | 6.4 | 44.4 | | L |
| 9.4 | | 21.0 | 4.0 | | |
| 9.5 | | 22.9 | 46.8 | | |
| 9.5 | | 36.2 | 15.2 | | |
| 9.5 | 37 | 1.4 | 7.6 | | |
| 6.0 | | 10.0 | 5.1 | | L |
| 9.3 | | 13.3 | 8.3 | | B |
| 9.0 | | 17.1 | 33.9 | | B |
| 9.3 | | 20.3 | 55.1 | | |
| 9.4 | | 20.7 | 14.3 | | |
| 9.5 | | 55.0 | 47.6 | | |
| 9.3 | | 57.5 | 7.5 | | |
| 9.4 | 38 | 12.6 | 43.0 | | |
| 9.3 | | 39.8 | 45.7 | | |
| 9.5 | | 40.2 | 49.7 | | |
| 9.0 | | 46.4 | 59.8 | | |
| 9.3 | | 51.1 | 33.4 | | |
| 9.1 | | 52.2 | 28.2 | | K |
| 9.5 | | 57.0 | 14.9 | | |
| 9.5 | | 59.7 | 51.7 | | |
| 8.8 | 39 | 17.1 | 53.7 | | |
| 9.3 | | 39.3 | 41.6 | | |
| 9.5 | | 40.9 | 24.2 | | |
| 9.5 | | 43.6 | 47.3 | | |
| 9.5 | | 44.1 | 11.6 | | |
| 9.4 | | 46.7 | 22.7 | | B |
| 8.6 | | 58.0 | 45.5 | | K |
| 8.4 | 40 | 7.6 | 22.0 | | K |
| 9.3 | | 12.4 | 40.3 | | |
| 9.5 | | 35.1 | 18.6 | | |
| 9.0 | | 58.0 | 28.2 | | |
| *9.0 | 41 | 1.0 | 31.2 | | K |
| 6.5 | | 1.9 | 32.2 | | K |
| 9.2 | | 6.8 | 18.4 | | |
| 8.8 | | 12.5 | 21.3 | | |
| 9.3 | | 15.9 | 34.6 | | |
| 9.5 | | 31.4 | 48.2 | | |
| 9.5 | | 37.7 | 53.6 | | |
| 9.1 | | 59.0 | 9.4 | | |
| 8.3 | 42 | 4.8 | 12.1 | | |
| 9.5 | | 6.5 | 29.4 | | |
| 9.5 | | 18.3 | 59.3 | | aB |
| 9.5 | | 35.9 | 23.2 | | |
| 9.2 | | 40.0 | 34.5 | | |
| 9.5 | | 47.5 | 4.6 | | |
| 9.3 | | 50.4 | 14.8 | | |
| 9.3 | | 59.6 | 35.8 | | |
| 9.0 | 43 | 4.8 | 35.6 | | |
| 9.1 | | 15.7 | 18.5 | | |
| 9.1 | | 16.0 | 21.0 | | |
| 9.0 | | 22.3 | 59.4 | | |
| 9.3 | | 25.3 | 2.7 | | |
| 8.2 | | 28.8 | 26.3 | | B |
| 9.0 | | 29.6 | 15.8 | | |
| 9.2 | | 35.6 | 21.2 | | |
| 10pr. | | 23.00 | 1.41 | | |

3581—3640

| | 19ʰ | | | +32° | |
|---|---|---|---|---|---|
| m | | ′ | ″ | ′ | |
| 9.3 | 43 | 42.1 | 33.1 | | |
| 9.5 | | 55.6 | 24.7 | | |
| 9.1 | | 58.8 | 35.5 | | |
| 9.3 | | 59.2 | 46.0 | | |
| 8.9 | 44 | 3.0 | 4.5 | | |
| 9.2 | | 6.5 | 31.4 | | |
| 8.5 | | 9.6 | 54.9 | | Kb |
| 9.5 | | 23.0 | 52.4 | | |
| 8.0 | | 27.8 | 16.6 | | B |
| 9.1 | | 33.5 | 46.2 | | |
| 9.5 | | 47.0 | 28.2 | | |
| 9.5 | | 53.4 | 5.2 | | |
| var | | 59.4 | 33.0 | | L |
| 9.2 | 45 | 6.7 | 54.8 | | |
| 9.4 | | 10.6 | 52,3 | | |
| *9.1 | | 13.9 | 10.7 | | K |
| *9.5 | | 29.2 | 51.7 | | |
| 9.1 | | 35.6 | 13.9 | | K |
| 9.5 | | 52.1 | 57.6 | | |
| 8.9 | | 54.0 | 43.3 | | |
| 9.5 | 46 | 6.6 | 3.3 | | |
| 9.3 | | 13.6 | 22.8 | | |
| 9.3 | | 14.1 | 56.6 | | |
| 9.4 | | 18.9 | 59.3 | | |
| 9.0 | | 29.7 | 34.8 | | |
| 9.4 | | 30.4 | 2.8 | | |
| 9.5 | | 52.2 | 15.8 | | |
| 9.3 | | 54.4 | 2.2 | | |
| 9.5 | | 58.4 | 25.0 | | |
| 9.5 | 47 | 9.0 | 54.9 | | |
| 9.2 | | 42.1 | 40.3 | | |
| 9.4 | | 55.4 | 56.9 | | |
| 9.5 | 48 | 7.9 | 42.5 | | |
| 9.0 | | 18.8 | 34.3 | | Kb |
| 9.4 | | 19.9 | 29.9 | | |
| 9.4 | | 42.0 | 33.1 | | |
| 9.4 | | 47.8 | 48.2 | | B |
| 7.9 | | 53.3 | 45.2 | | K |
| 9.5 | | 53.9 | 54.7 | | |
| 9.2 | 49 | 1.3 | 32.4 | | K |
| 8.9 | | 17.8 | 59.3 | | |
| 9.2 | | 24.1 | 10.6 | | aB |
| 9.2 | | 25.0 | 50.4 | | |
| 9.0 | | 28.0 | 45.5 | | K |
| 9.3 | | 32.2 | 20.2 | | |
| 8.3 | | 44.0 | 21.7 | | L |
| 9.5 | | 45.9 | 3.1 | | |
| 9.4 | | 55.1 | 3.5 | | |
| 9.2 | 50 | 6.7 | 6.5 | | |
| 9.5 | | 15.3 | 55.4 | | |
| 9.3 | | 18.0 | 31.9 | | |
| 9.3 | | 22.6 | 1.1 | | |
| 9.2 | | 29.1 | 32.5 | | B |
| 7.4 | | 32.4 | 41.4 | | Lb |
| 9.4 | | 36.3 | 25.3 | | a |
| 9.5 | | 47.4 | 10.7 | | |
| 8.5 | | 53.5 | 44.5 | | |
| 9.4 | | 57.4 | 31.7 | | |
| 8.4 | 51 | 1.0 | 26.8 | | L |
| 9.5 | | 3.4 | 18.2 | | |
| 10pr. | | 23.12 | 1.51 | | |

3641—3700

| | 19ʰ—20ʰ | | | +32° | |
|---|---|---|---|---|---|
| m | | ′ | ″ | ′ | |
| 8.3 | 51 | 8.0 | 24.3 | | |
| 9.5 | | 25.4 | 35.1 | | |
| 9.5 | | 26.7 | 3.5 | | |
| 9.5 | | 57.6 | 30.2 | | |
| 9.3 | 52 | 33.1 | 37.4 | | |
| 9.0 | | 44.0 | 53.9 | | K |
| 9.4 | | 48.4 | 17.1 | | |
| 9.3 | | 49.0 | 15.1 | | |
| 8.8 | | 54.8 | 35.1 | | B |
| 9.3 | | 55.7 | 43.7 | | |
| 7.5 | | 56.5 | 53.1 | | K |
| 9.3 | | 57.7 | 7.9 | | aB |
| 9.2 | 53 | 24.2 | 3.8 | | |
| 9.4 | | 39.4 | 27.8 | | a |
| 9.4 | | 45.0 | 8.6 | | |
| 8.7 | | 50.2 | 27.7 | | B |
| 9.5 | | 50.5 | 20.3 | | |
| 7.6 | | 58.9 | 30.1 | | B |
| 9.2 | 54 | 15.4 | 40.3 | | |
| 8.5 | | 19.3 | 2.6 | | Kb |
| 8.5 | | 26.0 | 27.1 | | |
| 7.0 | | 29.5 | 23.9 | | L |
| 9.4 | | 33.0 | 35.3 | | |
| 9.3 | | 35.0 | 12.6 | | |
| 9.5 | | 39.8 | 57.4 | | |
| 9.5 | | 43.7 | 0.0 | | |
| 8.3 | | 45.0 | 20.3 | | L |
| 9.3 | 55 | 4.1 | 8.0 | | |
| 9.5 | | 5.1 | 31.5 | | |
| 8.7 | | 7.5 | 32.9 | | B |
| 9.4 | | 14.6 | 59.0 | | |
| 9.5 | | 16.4 | 29.0 | | |
| 8.8 | | 17.5 | 36.7 | | |
| 9.0 | | 27.0 | 9.8 | | K |
| 9.2 | | 27.1 | 2.0 | | |
| 8.8 | | 30.0 | 8.8 | | K |
| 9.3 | | 52.7 | 5.2 | | K |
| 9.3 | 56 | 6.5 | 45.6 | | |
| 8.2 | | 6.9 | 40.2 | | Kb |
| 9.4 | | 17.2 | 38.5 | | |
| 9.5 | | 25.0 | 44.0 | | |
| 9.5 | | 47.0 | 47.5 | | |
| 9.3 | | 47.1 | 56.4 | | |
| 9.5 | 57 | 1.0 | 17.9 | | |
| 8.2 | | 13.0 | 10.4 | | B |
| 9.4 | | 21.4 | 0.9 | | |
| 9.2 | | 40.2 | 30.0 | | |
| 9.4 | | 58.1 | 56.8 | | |
| 8.0 | 58 | 3.7 | 46.2 | | B |
| 9.5 | | 18.3 | 44.5 | | |
| 9.5 | | 28.5 | 58.3 | | |
| 9.0 | | 44.0 | 35.1 | | |
| 8.2 | | 49.8 | 24.8 | | B |
| 9.2 | | 53.6 | 3.5 | | |
| 9.4 | 59 | 17.4 | 15.1 | | |
| 9.4 | | 37.1 | 54.7 | | |
| 9.5 | | 37.5 | 22.8 | | |
| 9.5 | | 41.4 | 42.4 | | |
| 9.0 | | 42.0 | 49.8 | | |
| 9.1 | 0 | 16.0 | 22.4 | | B |
| 10pr. | | 23.25 | 1.61 | | |

| 3556 a | | | |
|---|---|---|---|
| var | 41 0 | 21.1 | |

| 3596 a | | | |
|---|---|---|---|
| 9.5 | 45 22.6 | 30.7 | |

28

| m | 20ª | +32° | | m | 20ª | +32° | | m | 20ª | +32° | | m | 20ª | +32° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3701—3760 | | | | 3761—3820 | | | | 3821—3880 | | | | 3881—3940 | | |
| 8.6 | 0 ′ ″ 20.7 | 4.0 | B | 9.3 | 10 ′ ″ 31.4 | 14.4 | | 9.0 | 20 ′ ″ 9.1 | 2.1 | K | 9.3 | 31 ′ ″ 39.2 | 36.1 | |
| 9.4 | 22.3 | 35.3 | B | 9.5 | 32.4 | 0.8 | | 9.5 | 41.0 | 7.0 | | 9.3 | 56.5 | 27.5 | |
| 9.5 | 24.9 | 23.7 | | 9.1 | 35.1 | 42.0 | | 9.2 | 53.5 | 49.7 | | 7.0 | 57.1 | 52.2 | S |
| 8.9 | 28.0 | 11.2 | | 9.3 | 37.2 | 53.4 | | 9.1 | 21 17.3 | 59.1 | | 9.3 | 32 5.0 | 5.2 | |
| 9.1 | 40.3 | 3.8 | B | 9.5 | 48.0 | 50.9 | | 9.3 | 26.2 | 54.5 | | 9.2 | 8.3 | 4.4 | |
| 9.5 | 51.0 | 54.9 | | 9.0 | 11 12.9 | 7.9 | | 9.2 | 26.5 | 55.6 | | 7.9 | 25.9 | 50.5 | L |
| 8.2 | 1 11.5 | 10.9 | L | 9.0 | 13.5 | 40.3 | | 9.5 | 47.4 | 15.0 | B | 9.5 | 43.6 | 11.0 | |
| 9.5 | 15.4 | 22.0 | | 9.5 | 16.8 | 51.4 | | 9.1 | 51.0 | 47.5 | *b* | 9.5 | 54.4 | 52.5 | |
| 9.5 | 27.0 | 48.0 | | 9.4 | 40.0 | 49.9 | | 9.5 | 22 4.4 | 43.6 | | 9.4 | 33 10.2 | 25.1 | |
| 9.5 | 34.2 | 53.9 | | 9.5 | 12 0.4 | 16.8 | | 9.1 | 5.9 | 37.6 | | 9.5 | 24.5 | 16.7 | |
| 9.5 | 40.0 | 30.7 | | 8.4 | 14.0 | 40.0 | K | 9.5 | 13.0 | 58.8 | | 9.2 | 47.8 | 58.1 | |
| 9.0 | 40.3 | 23.0 | | 9.1 | 18.7 | 40.6 | B | 9.4 | 16.3 | 52.2 | | 9.5 | 34 16.4 | 42.4 | |
| 9.5 | 54.8 | 21.5 | | 8.0 | 19.0 | 44.7 | K | *9.4 | 34.0 | 45.0 | | 9.2 | 24.6 | 27.8 | *b* |
| 8.9 | 2 9.1 | 15.1 | K | 9.5 | 27.0 | 23.7 | | *9.2 | 45.3 | 59.0 | | 9.4 | 35.8 | 9.3 | |
| 7.7 | 17.3 | 9.7 | K | 9.5 | 27.2 | 48.1 | B | 8.4 | 54.3 | 29.5 | *B* | 9.0 | 35.8 | 59.0 | |
| 9.2 | 33.6 | 53.6 | | 8.1 | 27.9 | 15.0 | B | 8.9 | 57.9 | 17.9 | | 9.5 | 52.6 | 3.1 | |
| 9.1 | 33.9 | 58.2 | *a*B | 9.2 | 44.0 | 53.1 | | 9.5 | 23 24.3 | 32.9 | | 9.2 | 35 1.8 | 7.8 | |
| 8.1 | 35.3 | 59.4 | K | 8.4 | 53.9 | 49.3 | K | 9.5 | 25.5 | 47.5 | | 9.4 | 5.0 | 17.7 | *a* |
| 9.5 | 3 10.7 | 49.9 | | 8.0 | 13 3.0 | 47.8 | K | 9.5 | 58.9 | 28.7 | | 9.4 | 31.5 | 34.9 | |
| 7.7 | 24.7 | 45.8 | B | 9.4 | 5.2 | 14.9 | | 9.5 | 24 20.0 | 47.4 | | 8.8 | 32.1 | 17.9 | |
| 8.4 | 45.6 | 57.5 | K | 8.9 | 7.1 | 3.1 | | 9.5 | 22.4 | 23.7 | | 9.5 | 41.0 | 44.0 | *a*B |
| 9.3 | 47.1 | 59.9 | | 9.3 | 15.6 | 57.2 | | 9.0 | 23.1 | 50.2 | K | 9.5 | 41.6 | 35.4 | |
| 9.5 | 53.0 | 22.9 | | 9.5 | 16.7 | 15.1 | | 9.5 | 47.3 | 47.5 | | 8.7 | 43.5 | 30.5 | |
| 7.8 | 59.3 | 59.3 | K | 9.5 | 30.0 | 24.9 | | 9.4 | 53.1 | 8.2 | | 9.2 | 52.3 | 15.2 | |
| 9.1 | 4 3.9 | 0.2 | | 9.5 | 32.4 | 58.7 | | 9.3 | 25 16.8 | 20.3 | | 9.5 | 59.2 | 34.0 | |
| 8.4 | 8.0 | 8.1 | | 9.5 | 33.3 | 9.1 | | 9.4 | 18.3 | 23.3 | | 9.2 | 36 5.3 | 59.7 | K*b* |
| 8.9 | 25.8 | 18.4 | | 9.5 | 57.1 | 31.9 | | 8.2 | 27.8 | 2.6 | K | 9.4 | 47.6 | 46.7 | |
| 9.5 | 26.5 | 46.8 | | 9.0 | 14 11.8 | 57.3 | | 9.3 | 42.9 | 11.5 | B | 9.5 | 37 6.5 | 56.3 | |
| 9.4 | 42.1 | 6.0 | | 9.0 | 13.4 | 0.9 | | 7.2 | 43.8 | 36.8 | L | 9.5 | 26.2 | 58.0 | *a* |
| 9.2 | 53.3 | 57.4 | *a*K | 8.8 | 21.2 | 21.7 | | 9.1 | 48.3 | 5.0 | K | 9.3 | 40.6 | 49.5 | |
| 9.0 | 55.3 | 57.4 | K | 9.5 | 39.0 | 11.8 | B | 9.4 | 56.7 | 8.5 | | 9.5 | 48.8 | 21.6 | |
| 8.6 | 5 5.0 | 46.5 | K | 9.5 | 39.3 | 32.5 | B | 9.0 | 56.8 | 2.4 | K | 9.5 | 52.6 | 11.3 | |
| 9.5 | 14.9 | 11.4 | | 9.4 | 46.7 | 21.1 | | 9.4 | 26 10.5 | 30.3 | B | 8.4 | 38 1.8 | 34.9 | |
| 9.1 | 20.0 | 25.2 | *ab* | 9.5 | 56.6 | 48.0 | | 9.5 | 12.8 | 27.8 | | 9.2 | 6.6 | 56.7 | K |
| 9.5 | 42.1 | 49.7 | | 8.9 | 15 0.9 | 1.0 | | 9.4 | 27.8 | 2.9 | K*b* | 9.5 | 18.6 | 56.4 | |
| 9.4 | 6 3.3 | 8.2 | | 9.4 | 5.1 | 24.3 | | 9.1 | 30.8 | 18.9 | | 9.5 | 30.5 | 51.6 | |
| 9.4 | 10.8 | 54.9 | | 9.4 | 28.8 | 18.9 | | 9.5 | 27 18.1 | 58.0 | | 9.4 | 34.5 | 52.1 | *a*B |
| 9.4 | 17.6 | 34.9 | | 9.5 | 32.3 | 56.5 | | 8.7 | 24.6 | 54.7 | K | 9.3 | 51.1 | 58.0 | |
| 9.2 | 21.0 | 22.3 | | 9.1 | 47.0 | 8.2 | | 9.5 | 26.0 | 2.8 | | 9.4 | 53.6 | 34.9 | |
| 9.5 | 24.6 | 2.7 | | 9.5 | 59.7 | 52.9 | | 7.5 | 33.6 | 53.2 | K | 9.5 | 56.5 | 11.9 | |
| 9.3 | 31.0 | 3.3 | | 9.4 | 16 6.1 | 48.8 | B | 9.3 | 37.1 | 15.4 | | 9.5 | 39 19.6 | 25.0 | |
| 9.2 | 31.1 | 48.0 | *a* | 9.5 | 13.0 | 32.7 | | 7.5 | 43.2 | 25.0 | K | 9.5 | 26.8 | 26.5 | |
| 9.4 | 42.4 | 26.3 | | 8.5 | 17 1.1 | 1.1 | K | 9.5 | 57.8 | 42.3 | | 9.2 | 41.3 | 28.5 | |
| 8.7 | 57.7 | 17.6 | | 9.4 | 6.0 | 5.8 | | 9.0 | 28 29.4 | 24.6 | | 9.4 | 53.1 | 27.5 | |
| 8.2 | 7 14.0 | 49.2 | | 9.5 | 15.6 | 48.0 | | 6.7 | 54.7 | 0.6 | S | 9.5 | 40 8.5 | 35.6 | |
| 9.5 | 28.8 | 43.2 | | 8.8 | 25.0 | 8.2 | | 9.3 | 29 14.6 | 13.0 | | 9.1 | 13.4 | 33.9 | |
| 9.5 | 38.4 | 34.2 | | 9.5 | 30.3 | 32.7 | | 8.7 | 17.6 | 52.7 | K | 9.1 | 18.6 | 25.7 | |
| 9.0 | 48.8 | 57.0 | | 9.4 | 59.0 | 9.9 | | 9.2 | 18.6 | 29.0 | | 9.2 | 26.0 | 27.7 | |
| 9.5 | 58.0 | 7.0 | | 9.2 | 59.5 | 13.1 | | 9.5 | 41.0 | 10.3 | | 8.9 | 28.8 | 13.6 | |
| 9.5 | 8 15.0 | 30.2 | | 9.4 | 18 8.8 | 0.8 | K | 9.5 | 30 12.7 | 1.2 | | 9.5 | 34.4 | 18.3 | |
| 9.5 | 18.6 | 41.5 | B | 9.4 | 30.0 | 20.2 | | 8.3 | 36.9 | 23.6 | K | 9.5 | 36.6 | 34.8 | |
| 9.4 | 40.8 | 59.7 | | 9.4 | 52.7 | 24.2 | | 8.4 | 38.8 | 35.2 | | 9.2 | 40.7 | 6.3 | |
| 8.9 | 42.2 | 47.6 | | 9.5 | 54.4 | 15.7 | | 8.2 | 51.6 | 29.7 | K | 9.1 | 45.8 | 24.3 | |
| 9.3 | 48.0 | 7.1 | | 8.9 | 19 3.3 | 7.9 | | 9.4 | 57.0 | 38.8 | | 9.4 | 54.5 | 58.1 | B |
| 8.3 | 9 1.5 | 34.9 | *B* | 9.3 | 17.0 | 39.8 | | 9.3 | 31 1.8 | 17.6 | | 9.2 | 55.2 | 29.5 | |
| 9.2 | 3.0 | 9.5 | | 9.5 | 23.7 | 14.3 | | 9.5 | 8.6 | 51.7 | | *8.4 | 41 3.3 | 20.0 | B |
| 6.8 | 12.2 | 25.4 | L | 9.1 | 23.9 | 44.9 | *b* | 9.4 | 11.6 | 52.7 | | *8.4 | 7.6 | 48.3 | |
| 9.1 | 29.7 | 41.8 | *b* | 9.5 | 30.4 | 49.1 | | 9.4 | 16.9 | 49.5 | | 8.4 | 13.6 | 1.9 | K |
| 9.5 | 40.0 | 49.7 | | 8.8 | 57.0 | 36.0 | | 9.3 | 21.0 | 51.2 | | 9.2 | 14.1 | 38.0 | |
| 9.5 | 10 10.2 | 6.7 | | 9.4 | 20 3.1 | 52.9 | B | 9.5 | 35.0 | 8.5 | | 9.5 | 28.6 | 2.3 | |
| | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 23.43 | 1.73 | | 10pr. | 23.62 | 1.85 | | 10pr. | 23.87 | 1.98 | | 10pr. | 24.14 | 2.12 | |

| m | 20ª | +32° | |
|---|---|---|---|
| | 3941—4000 | | |
| 9.5 | 41 ′ ″ 34.6 | 47.3 | |
| 9.0 | 42.2 | 9.3 | |
| 9.2 | 49.5 | 22.1 | K |
| 9.4 | 50.9 | 26.0 | |
| 9.2 | 42 4.6 | 37.6 | K*b* |
| 9.1 | 9.5 | 54.4 | |
| 9.5 | 17.3 | 8.0 | |
| 9.1 | 22.6 | 58.8 | |
| 9.4 | 39.2 | 35.9 | |
| 9.5 | 42.8 | 3.0 | |
| 9.2 | 48.4 | 57.6 | |
| 9.5 | 43 16.9 | 45.8 | |
| 8.9 | 20.5 | 20.4 | |
| 9.4 | 24.4 | 41.4 | |
| 9.5 | 57.6 | 15.2 | |
| 9.5 | 44 0.5 | 22.6 | |
| 9.5 | 8.4 | 3.3 | |
| 9.5 | 8.8 | 40.1 | |
| 9.5 | 11.6 | 42.6 | |
| 9.5 | 18.1 | 54.7 | |
| 9.5 | 23.6 | 13.0 | |
| 8.8 | 34.8 | 16.5 | |
| 9.5 | 50.0 | 52.0 | |
| 9.1 | 45 3.4 | 32.2 | |
| 9.5 | 14.1 | 5.3 | |
| 9.4 | 18.2 | 16.2 | *a*B |
| 9.5 | 24.3 | 47.5 | |
| 8.5 | 41.1 | 1.5 | K |
| 8.9 | 43.5 | 34.0 | B |
| 9.5 | 44.2 | 9.5 | |
| 9.3 | 49.5 | 33.0 | |
| 9.1 | 46 1.7 | 54.7 | *a* |
| 8.9 | 4.2 | 44.5 | K*b* |
| 6.7 | 6.7 | 18.1 | K |
| 9.5 | 36.1 | 55.1 | |
| 9.2 | 47 11.6 | 2.1 | *a* |
| 9.2 | 12.0 | 36.9 | |
| 9.2 | 16.4 | 28.3 | K |
| 8.9 | 53.7 | 35.5 | |
| 6.0 | 48 1.6 | 53.2 | B |
| 9.0 | 9.4 | 2.8 | |
| 9.5 | 15.6 | 11.2 | |
| 9.5 | 29.8 | 40.0 | |
| 7.3 | 52.9 | 9.3 | K |
| 9.3 | 55.6 | 12.7 | K |
| 8.7 | 49 12.6 | 34.2 | |
| 9.4 | 12.6 | 29.3 | |
| 9.1 | 26.1 | 4.8 | K |
| 7.2 | 28.5 | 8.0 | K |
| 9.5 | 54.2 | 4.8 | |
| 9.4 | 50 2.5 | 31.7 | |
| 9.5 | 5.4 | 36.9 | |
| 9.5 | 6.2 | 49.0 | |
| 9.5 | 20.5 | 13.2 | |
| 9.5 | 45.4 | 34.9 | |
| 9.5 | 51 17.0 | 27.7 | |
| 9.5 | 20.6 | 58.9 | |
| 9.5 | 27.7 | 29.0 | |
| 8.3 | 43.3 | 44.8 | P |
| 9.5 | 44.3 | 58.7 | |
| | + | + | |
| 10pr. | 24.33 | 2.21 | |

| | | | | | |
|---|---|---|---|---|---|
| *3833 a* | | | | | |
| 9.3 | 22 | 40.5 | 29.2 | B | |

| | | | | | |
|---|---|---|---|---|---|
| *3936 a* | | | | | |
| 9.3 | 41 | 4.4 | 20.1 | B | |

4001—4060

| m | 20ᵘ—21ᵘ | +32° | |
|---|---|---|---|
| 9.5 | 51′ 55.7 | 52.2 | |
| 9.5 | 52 6.5 | 24.5 | |
| 9.3 | 13.7 | 39.3 | |
| 9.4 | 49.6 | 59.2 | |
| 9.5 | 53 8.2 | 32.4 | |
| 8.6 | 12.5 | 2.0 | K |
| 9.5 | 16.1 | 40.0 | |
| 9.4 | 27.6 | 7.8 | |
| 9.4 | 57.7 | 29.1 | |
| 9.5 | 54 3.1 | 32.8 | |
| 9.5 | 4.0 | 20.6 | |
| 9.2 | 11.5 | 27.1 | *aBb* |
| 9.5 | 13.0 | 31.1 | |
| 8.9 | 21.6 | 56.8 | B |
| 9.1 | 24.7 | 29.3 | |
| 9.4 | 26.6 | 22.6 | |
| 9.3 | 37.4 | 53.3 | |
| 9.5 | 50.5 | 38.7 | |
| 9.3 | 51.2 | 29.0 | *aB* |
| 9.4 | 52.1 | 14.8 | |
| 9.4 | 55 7.4 | 13.6 | |
| 9.5 | 17.0 | 59.5 | |
| 9.2 | 19.0 | 54.9 | |
| 9.5 | 38.5 | 2.0 | |
| 8.5 | 40.6 | 58.6 | |
| 9.2 | 53.8 | 59.1 | |
| 9.5 | 56.2 | 32.0 | |
| 9.1 | 56 5.5 | 12.1 | B |
| 9.4 | 7.3 | 6.4 | |
| 9.4 | 24.1 | 8.5 | |
| 9.5 | 24.5 | 24.7 | |
| 9.4 | 26.4 | 23.8 | |
| 9.3 | 31.3 | 32.9 | |
| 9.0 | 35.7 | 26.7 | B |
| 9.5 | 57 26.4 | 22.3 | |
| 9.5 | 27.2 | 49.2 | |
| 9.4 | 34.2 | 9.9 | |
| 9.3 | 49.7 | 53.2 | |
| 8.0 | 58 7.1 | 39.6 | B |
| 9.0 | 20.8 | 57.3 | |
| 9.4 | 28.6 | 14.5 | |
| 9.5 | 43.9 | 6.8 | |
| 8.7 | 48.4 | 52.2 | |
| 8.6 | 59 4.1 | 26.5 | |
| 9.3 | 14.8 | 49.4 | |
| 8.0 | 22.2 | 55.1 | K |
| 9.5 | 38.6 | 1.1 | |
| 9.4 | 49.5 | 56.6 | |
| 8.1 | 0 26.6 | 39.8 | L |
| 9.4 | 31.2 | 35.0 | |
| 9.3 | 34.6 | 39.2 | |
| 9.2 | 44.5 | 55.0 | |
| 9.5 | 52.7 | 4.5 | |
| 9.4 | 1 4.8 | 23.5 | |
| 9.4 | 9.1 | 23.9 | B |
| 9.5 | 19.0 | 2.8 | |
| 9.3 | 20.1 | 14.6 | |
| 9.5 | 42.7 | 20.1 | |
| 9.1 | 50.0 | 15.2 | |
| 7.5 | 58.1 | 48.9 | K |
| 10pr. | 24.61 | 2.32 | |

4061—4120

| m | 21ᵘ | +32° | |
|---|---|---|---|
| 8.9 | 2′ 8.6 | 4.2 | |
| 9.5 | 8.6 | 20.1 | |
| 9.2 | 11.4 | 13.6 | |
| 9.2 | 22.4 | 58.0 | |
| 9.2 | 26.8 | 37.8 | *b* |
| 9.4 | 31.3 | 12.6 | |
| 9.5 | 40.7 | 30.4 | |
| 9.4 | 3 4.4 | 53.6 | |
| 7.5 | 6.7 | 10.9 | K |
| 9.5 | 16.5 | 35.0 | |
| 9.0 | 56.8 | 55.8 | |
| 9.5 | 4 5.0 | 15.4 | |
| 9.3 | 5.1 | 55.3 | *a* |
| 9.5 | 9.9 | 27.4 | |
| 9.5 | 16.2 | 3.4 | |
| 9.5 | 28.5 | 43.9 | |
| 9.0 | 47.0 | 29.8 | |
| 9.1 | 48.7 | 55.8 | *aBb* |
| 8.7 | 5 0.2 | 7.5 | K |
| 9.0 | 1.7 | 36.3 | |
| 9.5 | 3.4 | 59.8 | |
| 8.9 | 5.2 | 11.5 | K |
| 7.5 | 15.2 | 32.6 | B |
| 9.4 | 18.5 | 9.8 | |
| 8.9 | 19.9 | 10.6 | |
| 9.0 | 40.7 | 46.9 | |
| 9.5 | 6 11.5 | 28.8 | |
| 7.4 | 28.9 | 38.8 | B |
| 9.4 | 45.4 | 12.9 | |
| 9.5 | 7 13.8 | 12.5 | |
| 9.3 | 16.3 | 45.1 | B |
| 9.0 | 24.5 | 11.5 | |
| 8.8 | 31.5 | 10.6 | |
| 9.5 | 32.0 | 13.2 | |
| 9.5 | 57.9 | 20.9 | |
| 9.3 | 8 15.4 | 18.8 | |
| 8.6 | 16.8 | 56.4 | K |
| 9.3 | 31.4 | 40.6 | B |
| 9.4 | 36.5 | 13.7 | |
| 9.5 | 40.4 | 3.2 | |
| 9.0 | 49.0 | 43.5 | K |
| 9.1 | 9 11.8 | 0.1 | |
| 9.5 | 36.5 | 39.2 | |
| 9.5 | 42.0 | 38.5 | |
| 9.5 | 49.7 | 42.4 | |
| 8.1 | 10 19.9 | 9.9 | K |
| 9.5 | 46.1 | 33.2 | |
| 9.5 | 50.0 | 14.0 | |
| 9.5 | 54.3 | 35.2 | |
| 9.5 | 11 22.5 | 8.5 | |
| 9.0 | 24.7 | 40.7 | *Kb* |
| 9.5 | 24.8 | 33.3 | |
| 8.8 | 26.0 | 14.7 | |
| 9.5 | 26.1 | 33.7 | B |
| 8.3 | 48.2 | 26.3 | K |
| 9.0 | 12 26.7 | 14.6 | |
| 9.1 | 48.9 | 50.1 | |
| 9.2 | 54.6 | 51.9 | |
| 9.4 | 13 2.8 | 25.9 | |
| 9.1 | 8.4 | 8.3 | *b* |
| 10pr. | 24.89 | 2.43 | |

4121—4180

| m | 21ᵘ | +32° | |
|---|---|---|---|
| 9.0 | 13′ 25.7 | 41.4 | |
| 9.4 | 31.5 | 59.1 | |
| 9.2 | 36.4 | 41.1 | |
| 9.2 | 38.0 | 24.3 | *B* |
| 7.8 | 38.1 | 38.6 | K |
| 9.5 | 45.1 | 2.0 | |
| 9.4 | 14 11.5 | 48.6 | |
| 6.7 | 17.6 | 52.7 | K |
| 9.4 | 30.4 | 5.8 | |
| 9.5 | 37.5 | 45.5 | |
| 8.8 | 41.9 | 50.4 | K |
| 9.4 | 56.0 | 15.3 | |
| 9.1 | 58.5 | 8.8 | |
| 6.0 | 15 14.5 | 0.2 | K |
| 9.1 | 28.9 | 16.1 | |
| 9.5 | 57.0 | 49.0 | |
| 9.3 | 16 10.2 | 1.8 | |
| 9.4 | 30.0 | 11.6 | |
| 9.5 | 43.7 | 50.9 | *aB* |
| 9.5 | 17 1.4 | 13.6 | |
| 9.5 | 6.7 | 7.2 | |
| 9.2 | 14.6 | 3.0 | *b* |
| 9.4 | 19.0 | 39.1 | |
| 9.5 | 19.9 | 33.2 | |
| 9.4 | 40.7 | 28.0 | |
| 9.5 | 48.0 | 39.4 | |
| 9.3 | 18 3.8 | 16.0 | |
| 9.3 | 11.0 | 11.5 | |
| 9.4 | 23.9 | 29.7 | |
| 7.8 | 26.0 | 20.1 | B |
| 9.5 | 44.0 | 17.5 | |
| 8.5 | 19 4.9 | 56.5 | |
| 9.5 | 8.3 | 14.3 | |
| 9.0 | 28.5 | 31.6 | |
| 9.5 | 39.0 | 42.0 | |
| 8.1 | 43.6 | 51.9 | K |
| 9.5 | 45.3 | 43.7 | |
| 9.5 | 20 14.0 | 29.5 | |
| 9.5 | 23.7 | 37.7 | |
| 6.9 | 26.9 | 56.8 | K |
| 8.8 | 21 21.3 | 1.0 | |
| 9.4 | 25.9 | 21.2 | B |
| 9.5 | 29.2 | 4.8 | |
| 9.5 | 53.1 | 26.7 | |
| 8.5 | 56.9 | 18.8 | *Kb* |
| 9.4 | 22 11.8 | 19.8 | |
| 9.5 | 14.5 | 49.7 | |
| 9.3 | 19.0 | 22.2 | B |
| 9.3 | 30.0 | 16.0 | |
| 8.3 | 35.9 | 18.5 | |
| 9.1 | 23 9.4 | 48.3 | *b* |
| 9.5 | 11.7 | 14.4 | |
| 9.0 | 29.7 | 6.7 | |
| 7.6 | 48.9 | 10.9 | L |
| 9.5 | 55.0 | 50.7 | |
| 8.9 | 24 6.4 | 33.6 | |
| 8.5 | 12.7 | 49.3 | |
| 9.5 | 15.5 | 12.3 | |
| 9.0 | 57.5 | 35.3 | |
| 8.6 | 25 37.6 | 59.4 | |
| 10pr. | 25.20 | 2.55 | |

4181—4240

| m | 21ᵘ | +32° | |
|---|---|---|---|
| 9.4 | 25′ 50.0 | 36.7 | |
| 7.9 | 26 12.5 | 31.2 | K |
| 9.4 | 24.4 | 35.6 | |
| 9.5 | 33.0 | 37.2 | |
| 9.5 | 36.4 | 18.7 | |
| 7.0 | 40.7 | 8.0 | K |
| 9.5 | 27 2.2 | 28.3 | |
| 9.5 | 2.5 | 32.5 | |
| 8.5 | 9.6 | 55.4 | K |
| 9.1 | 25.4 | 47.0 | |
| 7.7 | 36.8 | 34.4 | L |
| 9.1 | 37.6 | 15.3 | |
| 8.2 | 43.0 | 13.8 | B |
| 9.5 | 28 3.3 | 41.5 | |
| 9.5 | 28.4 | 8.5 | |
| 8.4 | 34.2 | 30.8 | |
| 9.5 | 38.4 | 2.4 | |
| 9.5 | 49.6 | 46.9 | |
| 9.3 | 58.8 | 7.8 | |
| 9.0 | 29 5.2 | 9.6 | *b* |
| 9.4 | 11.2 | 23.6 | |
| 9.4 | 23.0 | 22.9 | |
| 9.3 | 36.9 | 46.6 | |
| 9.4 | 44.5 | 41.5 | |
| 9.0 | 30 12.0 | 3.7 | |
| 7.5 | 21.9 | 35.2 | L |
| 9.5 | 28.4 | 50.4 | |
| 9.2 | 29.0 | 39.4 | |
| 7.9 | 35.2 | 3.6 | K |
| 9.5 | 56.5 | 18.1 | |
| 9.4 | 31 10.4 | 49.3 | |
| 8.9 | 34.4 | 7.3 | |
| 8.8 | 38.6 | 30.1 | K |
| 9.3 | 39.8 | 21.7 | B |
| 7.0 | 43.8 | 32.8 | K |
| 7.2 | 52.9 | 28.3 | L |
| 9.4 | 53.2 | 26.9 | |
| 9.2 | 59.3 | 51.9 | |
| 9.5 | 32 11.4 | 42.8 | |
| 8.8 | 26.7 | 18.5 | |
| 9.3 | 57.1 | 1.8 | |
| 9.5 | 33 15.1 | 3.5 | |
| 9.2 | 18.7 | 15.6 | |
| 9.0 | 44.5 | 56.7 | K |
| 9.4 | 46.0 | 24.8 | *aB* |
| 9.4 | 34 2.3 | 16.0 | *aB* |
| 9.5 | 12.1 | 17.5 | |
| 9.2 | 30.0 | 55.9 | |
| 9.5 | 32.9 | 17.3 | |
| 8.0 | 35.4 | 9.3 | *B* |
| 9.1 | 35 7.2 | 41.8 | |
| 8.5 | 44.1 | 22.9 | B |
| 9.4 | 45.0 | 8.5 | *aB* |
| 9.0 | 36 4.5 | 28.6 | |
| 9.5 | 15.9 | 7.3 | |
| 9.3 | 26.0 | 33.1 | |
| 9.0 | 29.3 | 36.2 | |
| 9.4 | 40.5 | 3.4 | |
| 9.5 | 40.5 | 53.1 | |
| 9.5 | 57.0 | 38.4 | |
| 10pr. | 25.56 | 2.66 | |

4241—4300

| m | 21ᵘ | +32° | |
|---|---|---|---|
| 9.5 | 37′ 20.9 | 31.2 | |
| 9.0 | 21.4 | 10.9 | |
| 9.5 | 35.8 | 8.8 | |
| 7.8 | 49.5 | 41.5 | K |
| 9.4 | 38 42.5 | 42.1 | |
| 9.5 | 48.7 | 32.0 | B |
| 8.5 | 52.5 | 51.8 | B |
| 9.5 | 55.4 | 22.9 | |
| 7.3 | 39 5.4 | 7.1 | L |
| 7.4 | 21.5 | 26.9 | B |
| 9.2 | 44.8 | 5.5 | |
| 9.5 | 59.4 | 48.7 | |
| 8.3 | 40 31.3 | 5.7 | K |
| 7.3 | 33.7 | 20.4 | K |
| 9.5 | 36.0 | 47.5 | |
| 9.4 | 43.0 | 10.9 | |
| 9.4 | 47.9 | 33.9 | |
| 9.5 | 41 5.5 | 39.1 | |
| 9.4 | 30.0 | 56.3 | |
| 9.3 | 30.7 | 37.7 | |
| 8.2 | 42.2 | 42.5 | K |
| 9.5 | 42 2.5 | 17.2 | |
| 6.5 | 6.7 | 7.7 | K |
| 9.5 | 25.4 | 30.8 | |
| 9.5 | 48.8 | 52.2 | |
| 9.5 | 58.6 | 52.3 | |
| 9.1 | 43 10.5 | 20.5 | *b* |
| 9.3 | 12.5 | 50.0 | *aB* |
| 7.0 | 19.5 | 39.3 | K |
| 9.4 | 26.3 | 40.3 | |
| 9.5 | 29.6 | 4.5 | |
| 9.4 | 43.2 | 13.0 | |
| 9.2 | 50.3 | 2.9 | |
| 9.5 | 44 12.0 | 47.5 | |
| 9.5 | 31.0 | 46.5 | |
| 9.1 | 45 21.3 | 47.8 | *b* |
| 9.3 | 37.8 | 38.6 | |
| 9.3 | 46.0 | 4.8 | *aB* |
| 9.2 | 49.3 | 11.3 | |
| 9.5 | 49.5 | 42.1 | |
| 9.1 | 50.2 | 8.0 | K |
| 9.4 | 46 5.8 | 56.4 | |
| 8.2 | 47.4 | 2.6 | K |
| 9.5 | 48 15.7 | 7.6 | |
| 9.0 | 19.1 | 58.8 | |
| 9.0 | 22.0 | 29.8 | K |
| 9.4 | 28.9 | 29.0 | *aB* |
| 9.1 | 38.8 | 38.5 | |
| 9.2 | 42.5 | 46.9 | |
| 9.5 | 49 2.5 | 1.5 | |
| 9.4 | 15.0 | 42.7 | *aB* |
| 9.1 | 18.7 | 21.1 | B |
| 9.5 | 22.3 | 30.0 | |
| 9.0 | 25.7 | 34.3 | |
| 9.3 | 29.3 | 10.1 | |
| 9.0 | 29.7 | 59.6 | |
| 9.5 | 31.1 | 44.7 | |
| 6.8 | 53.3 | 40.8 | B |
| 8.2 | 50 10.0 | 38.3 | K |
| 9.4 | 10.3 | 16.2 | |
| 10pr. | 25.94 | 2.77 | |

### 4301—4360

| m | 21s—22s | +32° | |
|---|---|---|---|
| 9.5 | 50′ 11.1 | 58.4 | |
| 8.8 | 25.7 | 33.0 | K |
| 9.2 | 30.0 | 4.1 | |
| 9.4 | 51 7.2 | 52.8 | |
| 8.5 | 20.2 | 21.4 | K |
| 8.1 | 24.5 | 41.7 | Lb |
| 9.5 | 30.1 | 3.2 | |
| 9.0 | 53.0 | 11.1 | |
| 9.0 | 57.5 | 33.5 | B |
| 7.8 | 52 51.8 | 56.4 | K |
| 9.5 | 52.0 | 15.2 | |
| 9.0 | 53 18.8 | 23.0 | |
| 9.4 | 21.8 | 5.2 | |
| 8.7 | 49.6 | 44.2 | K |
| 9.0 | 54.2 | 48.2 | K |
| 7.0 | 54 6.0 | 19.5 | K |
| 9.1 | 10.2 | 59.5 | K |
| 8.0 | 59.5 | 29.0 | K |
| 9.0 | 55 1.4 | 2.2 | |
| 9.5 | 18.8 | 24.5 | |
| 9.1 | 56 3.9 | 52.5 | b |
| 8.9 | 11.5 | 17.6 | K |
| 8.9 | 12.8 | 32.7 | |
| 6.8 | 15.5 | 41.3 | K |
| 9.1 | 30.1 | 57.0 | |
| 9.3 | 57 4.5 | 46.6 | |
| 9.5 | 23.2 | 6.8 | |
| 9.5 | 58 2.3 | 35.2 | |
| 7.0 | 11.9 | 14.5 | K |
| 9.2 | 28.2 | 29.7 | |
| 9.1 | 30.8 | 36.5 | b |
| 8.7 | 39.2 | 7.2 | K |
| 9.5 | 48.3 | 20.0 | |
| 9.2 | 59 25.5 | 39.5 | aB |
| 9.5 | 29.5 | 48.0 | |
| 9.5 | 41.6 | 41.9 | |
| 9.0 | 55.9 | 53.8 | B |
| 9.5 | 0 30.5 | 43.4 | |
| 9.5 | 32.2 | 13.3 | |
| 8.8 | 32.4 | 52.5 | K |
| 9.3 | 52.0 | 16.2 | |
| 9.3 | 58.4 | 2.6 | |
| 8.4 | 1 23.5 | 43.4 | Kb |
| 9.5 | 25.2 | 12.5 | |
| 9.4 | 34.8 | 53.8 | |
| 9.4 | 2 34.7 | 12.5 | |
| 9.5 | 41.8 | 20.7 | |
| 9.5 | 46.6 | 0.4 | |
| 5.7 | 50.5 | 28.3 | K |
| 9.0 | 3 6.0 | 23.1 | K |
| 9.0 | 21.8 | 21.7 | |
| 3.8 | 34.5 | 28.3 | K |
| 9.2 | 37.9 | 8.4 | |
| 9.5 | 43.2 | 36.2 | |
| 9.5 | 4 23.2 | 50.0 | aB |
| 9.4 | 32.9 | 50.2 | aB |
| 9.4 | 35.4 | 47.9 | |
| 9.4 | 44.4 | 22.4 | |
| 9.5 | 53.9 | 1.5 | |
| 9.0 | 5 7.0 | 41.4 | K |
| | + | + | |
| 10pr. | 26.41 | 2.88 | |

### 4361—4420

| m | 22s | +32° | |
|---|---|---|---|
| 9.5 | 5′ 44.8 | 33.1 | |
| 9.0 | 48.7 | 20.7 | K |
| 9.5 | 50.5 | 10.7 | |
| 8.8 | 52.6 | 1.9 | K |
| 9.3 | 6 2.2 | 46.9 | |
| 9.3 | 31.8 | 8.0 | |
| 8.8 | 36.5 | 33.1 | |
| 7.2 | 37.6 | 52.9 | L |
| 9.0 | 40.7 | 23.1 | K |
| 9.5 | 59.8 | 4.0 | |
| 9.5 | 7 18.6 | 57.3 | |
| 8.3 | 41.7 | 30.0 | L |
| 8.3 | 8 9.0 | 5.7 | K |
| 9.5 | 28.0 | 6.6 | aB |
| 9.5 | 59.6 | 6.1 | |
| 9.5 | 9 33.7 | 39.2 | |
| 9.5 | 57.4 | 6.7 | |
| 9.5 | 10 12.8 | 42.4 | |
| 9.4 | 17.9 | 58.0 | |
| 7.9 | 25.8 | 51.0 | B |
| 8.0 | 38.5 | 15.8 | L |
| 9.5 | 59.3 | 55.0 | |
| 9.5 | 11 22.0 | 25.6 | |
| 8.9 | 29.2 | 15.2 | K |
| 8.8 | 32.5 | 29.0 | |
| 9.1 | 43.3 | 33.1 | |
| 9.3 | 54.4 | 11.7 | |
| 8.0 | 58.1 | 4.1 | K |
| 9.3 | 58.2 | 31.7 | |
| 9.5 | 12 13.5 | 53.4 | |
| 9.3 | 24.7 | 21.1 | |
| 8.8 | 33.8 | 10.7 | |
| 7.2 | 44.2 | 47.2 | L |
| 9.5 | 13 34.1 | 8.5 | a |
| 9.5 | 38.3 | 14.7 | |
| 9.3 | 38.9 | 43.9 | |
| 8.8 | 55.0 | 50.1 | K |
| 9.5 | 14 13.8 | 44.9 | |
| 9.3 | 23.1 | 34.8 | |
| 9.5 | 47.2 | 58.0 | |
| 9.5 | 15 4.0 | 43.5 | |
| 9.5 | 16.3 | 47.6 | |
| 9.1 | 30.1 | 1.1 | b |
| 9.2 | 37.5 | 6.3 | |
| 9.5 | 16 8.6 | 2.2 | |
| 9.1 | 9.5 | 43.5 | |
| 9.5 | 11.3 | 14.3 | |
| 7.5 | 19.0 | 51.9 | K |
| 8.3 | 19.1 | 58.8 | K |
| 9.2 | 29.8 | 57.2 | |
| 9.5 | 47.3 | 44.9 | |
| 9.5 | 17 11.8 | 33.4 | |
| 9.5 | 12.5 | 40.3 | |
| 9.3 | 38.3 | 9.5 | |
| 9.4 | 18 18.2 | 48.1 | |
| 6.9 | 28.8 | 3.6 | L |
| 9.2 | 40.2 | 8.8 | aB |
| 9.1 | 46.5 | 54.3 | b |
| 9.0 | 19 2.4 | 16.4 | |
| 9.1 | 2.5 | 33.4 | |
| | + | + | |
| 10pr. | 26.87 | 2.98 | |

### 4421—4480

| m | 22s | +32° | |
|---|---|---|---|
| 9.2 | 19′ 41.5 | 47.3 | |
| 9.0 | 44.0 | 39.4 | B |
| 9.4 | 46.6 | 35.0 | |
| 8.4 | 48.0 | 1.9 | K |
| 9.2 | 54.5 | 29.0 | |
| 9.5 | 20 12.8 | 37.2 | |
| 9.5 | 18.2 | 1.3 | |
| 7.5 | 46.8 | 46.9 | L |
| 9.2 | 53.2 | 58.8 | B |
| 8.5 | 57.5 | 47.7 | B |
| 9.0 | 21 0.3 | 28.3 | |
| 9.2 | 49.8 | 34.1 | |
| 9.4 | 50.4 | 54.0 | |
| 9.0 | 51.5 | 58.8 | |
| 9.2 | 22 16.8 | 16.8 | |
| 9.4 | 52.4 | 47.0 | |
| 7.6 | 23 2.1 | 5.7 | L |
| 9.1 | 12.0 | 38.5 | aB |
| 9.1 | 27.7 | 55.2 | |
| 9.5 | 31.6 | 38.6 | aB |
| 8.2 | 33.6 | 31.3 | K |
| 9.5 | 34.3 | 44.2 | |
| 9.5 | 52.8 | 29.1 | |
| 9.4 | 53.0 | 52.3 | |
| 9.2 | 53.1 | 20.1 | K |
| 8.7 | 24 1.0 | 48.0 | |
| 9.4 | 25 21.2 | 22.3 | |
| 7.8 | 29.4 | 37.6 | L |
| 9.4 | 42.5 | 4.5 | |
| 9.4 | 26 2.5 | 55.4 | |
| 8.5 | 14.0 | 39.6 | Kb |
| 9.0 | 19.9 | 15.7 | |
| 9.0 | 24.0 | 12.6 | |
| 9.5 | 34.8 | 50.2 | |
| 9.5 | 36.9 | 2.2 | |
| 9.2 | 27 0.4 | 52.0 | K |
| 9.2 | 32.4 | 33.1 | |
| 8.3 | 28 2.8 | 42.5 | K |
| 9.3 | 3.5 | 28.9 | |
| 8.6 | 35.2 | 25.4 | B |
| 7.7 | 41.4 | 5.5 | K |
| 7.2 | 29 2.1 | 1.7 | K |
| 8.5 | 26.4 | 8.0 | |
| 9.4 | 33.8 | 33.8 | |
| 8.9 | 36.4 | 40.0 | B |
| 9.4 | 36.9 | 51.3 | |
| 8.6 | 46.5 | 2.9 | |
| 9.4 | 51.8 | 25.1 | |
| 8.8 | 30 1.0 | 17.2 | K |
| 9.5 | 5.4 | 1.7 | |
| 9.5 | 22.7 | 50.3 | |
| 9.5 | 26.7 | 56.3 | B |
| 7.3 | 31 22.2 | 28.9 | K |
| 7.6 | 59.8 | 48.2 | L |
| 9.3 | 32 33.9 | 3.1 | |
| 8.3 | 38.9 | 7.1 | K |
| 9.5 | 51.3 | 18.2 | |
| 8.0 | 57.2 | 10.5 | K |
| 9.4 | 33 19.2 | 23.2 | |
| 8.8 | 19.2 | 28.7 | B |
| | + | + | |
| 10pr. | 27.33 | 3.07 | |

### 4481—4540

| m | 22s | +32° | |
|---|---|---|---|
| 9.5 | 33′ 35.3 | 57.1 | |
| 9.4 | 34 10.5 | 35.5 | |
| 8.0 | 33.6 | 2.2 | L |
| 9.0 | 34.8 | 11.3 | |
| 8.7 | 41.5 | 43.4 | K |
| 9.5 | 48.5 | 33.1 | |
| 9.3 | 49.2 | 12.0 | |
| 8.5 | 57.0 | 42.9 | K |
| 9.5 | 35 3.0 | 56.7 | |
| 9.4 | 22.7 | 56.6 | |
| 7.8 | 28.9 | 29.0 | K |
| 9.4 | 57.5 | 34.4 | |
| 8.8 | 59.4 | 8.3 | K |
| 9.0 | 36 15.0 | 30.7 | |
| 9.5 | 16.2 | 38.6 | |
| 9.4 | 19.8 | 47.3 | |
| 8.3 | 28.5 | 32.0 | L |
| 9.3 | 30.7 | 15.1 | |
| 8.5 | 35.3 | 29.6 | |
| 7.5 | 52.0 | 4.7 | K |
| 9.2 | 37 15.7 | 51.8 | |
| 9.0 | 43.0 | 51.4 | |
| 9.4 | 50.8 | 17.5 | |
| 9.3 | 38 23.9 | 13.6 | |
| 9.3 | 49.0 | 12.9 | |
| 9.4 | 54.1 | 42.5 | |
| 9.3 | 39 3.2 | 8.5 | |
| 8.3 | 8.4 | 6.2 | |
| 9.3 | 11.2 | 43.5 | aB |
| 9.1 | 31.7 | 33.1 | b |
| 9.1 | 40 15.0 | 38.8 | K |
| 9.2 | 20.8 | 51.8 | |
| 8.7 | 38.0 | 6.0 | |
| 8.5 | 47.2 | 39.5 | K |
| 9.5 | 55.9 | 57.0 | |
| 8.9 | 41 23.0 | 36.5 | B |
| 8.5 | 27.5 | 15.1 | L |
| 9.3 | 42.9 | 6.3 | |
| 7.5 | 52.4 | 41.5 | K |
| 9.2 | 55.5 | 36.4 | B |
| 8.1 | 57.1 | 24.8 | K |
| 9.4 | 43 1.2 | 55.8 | aB |
| 9.5 | 7.8 | 23.0 | |
| 9.1 | 35.5 | 45.1 | Kb |
| 9.5 | 46.3 | 24.0 | |
| 8.5 | 55.3 | 58.0 | K |
| 9.5 | 44 22.3 | 42.8 | |
| 9.4 | 29.5 | 4.3 | |
| 6.5 | 46.0 | 3.5 | L |
| 9.5 | 45 21.7 | 29.4 | |
| 9.5 | 46.9 | 2.6 | |
| 9.5 | 56.8 | 53.6 | |
| 9.5 | 46 0.1 | 46.6 | |
| 9.0 | 8.8 | 8.5 | |
| 8.8 | 16.9 | 30.0 | |
| 8.3 | 38.4 | 0.3 | K |
| 9.4 | 47.0 | 0.6 | |
| 9.1 | 48.8 | 3.2 | B |
| 9.3 | 54.0 | 2.4 | |
| 9.5 | 54.3 | 58.8 | |
| | + | + | |
| 10pr. | 27.61 | 3.14 | |

### 4541—4600

| m | 22s—23s | +32° | |
|---|---|---|---|
| 9.5 | 47′ 36.6 | 39.3 | |
| 9.5 | 42.5 | 4.0 | |
| 8.3 | 53.2 | 45.5 | |
| 9.3 | 53.6 | 12.8 | B |
| 9.2 | 48 1.5 | 0.9 | a |
| 9.1 | 7.4 | 18.1 | b |
| 9.2 | 21.5 | 0.1 | K |
| 9.5 | 22.0 | 33.5 | |
| 9.4 | 24.8 | 55.5 | |
| 9.4 | 49 3.4 | 53.8 | |
| 9.4 | 10.3 | 34.9 | Kb |
| 8.0 | 51 4.7 | 56.6 | K |
| 9.2 | 11.4 | 55.6 | aB |
| 9.1 | 14.8 | 30.7 | b |
| 9.5 | 17.1 | 38.8 | |
| 9.4 | 52 4.3 | 47.7 | |
| 9.3 | 16.7 | 39.0 | |
| 9.2 | 24.1 | 33.5 | aB |
| 9.5 | 26.6 | 2.2 | |
| 8.0 | 50.0 | 45.5 | L |
| 8.5 | 57.8 | 58.7 | K |
| 8.5 | 53 17.7 | 39.7 | K |
| 9.4 | 46.2 | 39.3 | |
| 9.0 | 50.3 | 27.5 | |
| 8.8 | 54 17.8 | 7.8 | K |
| 9.4 | 38.1 | 53.3 | B |
| 9.4 | 58.6 | 53.3 | B |
| 9.5 | 55 28.7 | 33.3 | |
| 9.3 | 56 23.2 | 24.7 | |
| 9.1 | 32.3 | 21.2 | B |
| 9.5 | 47.3 | 45.9 | |
| 9.0 | 54.8 | 32.7 | |
| 9.5 | 57 1.3 | 59.6 | |
| 8.8 | 43.2 | 58.7 | |
| 7.2 | 58 8.2 | 36.2 | K |
| 9.5 | 19.7 | 56.1 | |
| 9.3 | 27.9 | 54.5 | |
| 9.4 | 42.1 | 28.9 | B |
| 9.4 | 42.7 | 13.4 | |
| 9.3 | 53.5 | 13.9 | B |
| 8.0 | 59 15.8 | 30.3 | K |
| 9.1 | 25.5 | 21.4 | B |
| 9.4 | 39.7 | 25.1 | |
| 9.0 | 43.0 | 14.7 | S |
| 9.4 | 0 19.0 | 47.0 | |
| 9.0 | 21.0 | 30.0 | K |
| 6.3 | 32.6 | 3.0 | K |
| 9.5 | 41.3 | 4.3 | |
| 9.0 | 1 14.9 | 49.8 | |
| 9.3 | 17.0 | 29.9 | |
| 9.1 | 23.3 | 36.4 | b |
| 9.1 | 45.6 | 50.5 | aB |
| 9.4 | 53.4 | 23.3 | |
| 9.1 | 2 18.0 | 51.7 | |
| 9.3 | 19.2 | 2.7 | |
| 6.8 | 3 12.8 | 59.3 | Kb |
| 9.5 | 25.4 | 23.8 | |
| 9.4 | 28.9 | 21.3 | aB |
| 8.5 | 4 19.1 | 30.7 | K |
| 9.5 | 25.7 | 54.8 | |
| | + | + | |
| 10pr. | 28.39 | 3.22 | |

| 4601—4635 | | | | | 4636—4670 | | | | | 4671—4705 | | | | | 4706—4740 | | | | | 4741—4775 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23h | | +32° | | | 23h | | +32° | | | 23h | | +32° | | | 23h | | +32° | | | 23h | | +32° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 4 | 32.8 | 12.3 | | 9.5 | 17 | 21.5 | 4.1 | | 6.8 | 29 | 20.3 | 6.2 | K | 8.7 | 39 | 19.7 | 35.7 | K | 9.0 | 50 | 23.1 | 59.8 | |
| 9.3 | | 52.4 | 9.9 | | 9.5 | | 33.8 | 41.1 | α | 9.4 | | 21.6 | 0.6 | B | 9.5 | | 38.8 | 26.7 | | 9.5 | | 39.9 | 8.4 | |
| 9.1 | 5 | 17.0 | 46.8 | b | 9.4 | | 35.1 | 42.3 | αB | 9.4 | | 43.0 | 1.9 | | 9.5 | 40 | 46.4 | 17.9 | | 9.5 | | 43.8 | 52.9 | |
| 9.2 | 6 | 42.8 | 20.2 | Kb | 8.4 | | 36.4 | 48.9 | K | 9.0 | | 53.9 | 13.2 | K | 9.5 | | 51.4 | 12.4 | | 9.3 | | 50.0 | 1.1 | |
| 9.5 | | 46.0 | 32.2 | | 9.5 | | 51.3 | 12.2 | | 9.3 | 30 | 13.4 | 20.9 | | 9.5 | | 56.9 | 28.4 | | 7.8 | 51 | 24.8 | 56.3 | L |
| 9.5 | 7 | 8.7 | 58.6 | | 9.2 | 18 | 24.3 | 3.6 | | 9.0 | | 50.8 | 26.7 | | 9.3 | | 57.1 | 58.0 | | 9.5 | | 43.7 | 22.2 | |
| 8.8 | | 15.4 | 14.7 | K | 8.9 | | 33.9 | 37.7 | | 8.8 | 31 | 2.1 | 2.5 | | 9.4 | | 59.7 | 8.0 | | 5.8 | 52 | 7.9 | 55.6 | Sb |
| 8.8 | | 23.0 | 27.1 | | 9.5 | | 56.8 | 55.9 | | 9.0 | | 3.4 | 11.4 | K | 9.3 | 41 | 1.1 | 15.4 | αBb | 9.0 | | 49.0 | 19.1 | K |
| 9.1 | | 36.1 | 32.0 | | 9.5 | 19 | 5.4 | 28.0 | | 9.2 | | 38.8 | 58.6 | | 9.4 | | 5.4 | 59.4 | | 9.3 | 53 | 28.4 | 16.7 | Kb |
| 8.6 | | 43.2 | 39.3 | | 9.3 | | 14.3 | 24.0 | αBb | 8.4 | | 46.9 | 9.1 | K | 8.9 | 42 | 1.9 | 37.7 | | 9.0 | | 29.9 | 0.1 | |
| 9.5 | 8 | 54.5 | 24.1 | | 9.5 | | 35.4 | 35.6 | | 9.5 | 32 | 8.4 | 12.8 | | 9.5 | | 15.8 | 8.7 | | 9.0 | | 31.1 | 43.1 | |
| 8.0 | | 57.3 | 16.4 | K | 9.5 | | 56.0 | 54.3 | | 9.1 | | 15.5 | 29.8 | | 9.4 | | 23.5 | 44.9 | | 8.4 | | 52.6 | 20.3 | K |
| 9.5 | 9 | 34.8 | 32.0 | | 9.5 | 20 | 31.5 | 56.6 | B | 9.1 | | 44.9 | 47.0 | | 9.5 | | 51.9 | 2.9 | | 9.0 | 54 | 38.4 | 54.1 | |
| 9.3 | | 47.9 | 41.3 | B | 7.5 | | 43.7 | 10.6 | K | 9.5 | | 47.6 | 36.7 | | 9.5 | 43 | 11.0 | 22.5 | | 9.0 | | 48.0 | 43.7 | |
| 8.6 | 10 | 6.9 | 42.8 | K | 9.0 | | 57.5 | 46.4 | Kb | 9.0 | 33 | 25.7 | 42.2 | | 8.9 | 44 | 33.4 | 37.7 | K | 8.5 | | 54.8 | 9.4 | |
| 9.4 | | 31.3 | 31.2 | B | 9.5 | 21 | 10.9 | 27.0 | | 9.0 | | 42.4 | 50.8 | | 8.9 | | 43.9 | 45.3 | Kb | 8.9 | 55 | 52.7 | 2.3 | |
| 9.4 | | 34.8 | 1.3 | | 9.4 | | 37.7 | 55.7 | | 9.5 | | 49.3 | 49.7 | | 9.3 | | 54.5 | 22.8 | | 9.0 | | 52.9 | 16.4 | |
| 8.2 | | 35.0 | 28.2 | L | 9.5 | 22 | 24.1 | 7.8 | B | 8.8 | | 54.0 | 32.5 | | 9.5 | 45 | 7.6 | 53.2 | | 9.5 | 56 | 29.4 | 56.6 | |
| 8.5 | 11 | 16.3 | 43.7 | L | 9.5 | 23 | 2.0 | 5.7 | | 9.4 | 34 | 28.8 | 14.6 | | 9.3 | | 15.1 | 5.6 | | 8.9 | | 30.0 | 40.7 | K |
| 8.7 | | 26.7 | 53.1 | K | 7.7 | 24 | 25.9 | 53.2 | K | 8.9 | | 53.5 | 37.7 | | 8.9 | | 37.4 | 25.9 | K | 9.5 | 57 | 4.1 | 45.9 | |
| 8.0 | | 37.2 | 15.4 | B | 9.2 | | 42.0 | 2.0 | b | 9.5 | | 59.7 | 52.5 | | 9.5 | 46 | 12.5 | 28.4 | | 9.5 | | 30.4 | 7.7 | |
| 7.5 | | 39.6 | 56.1 | K | 9.4 | | 58.6 | 36.7 | | 9.0 | 35 | 16.0 | 57.3 | K | 9.5 | | 18.9 | 47.3 | | 9.3 | | 34.4 | 23.4 | |
| 9.2 | 12 | 8.7 | 43.7 | B | 8.0 | 25 | 21.2 | 55.7 | K | 9.5 | | 48.0 | 52.2 | | 8.9 | | 24.2 | 11.9 | K | 9.2 | | 35.0 | 33.2 | αB |
| 8.8 | | 53.5 | 28.7 | B | 9.5 | | 21.3 | 7.0 | B | 9.5 | | 57.7 | 44.9 | | 9.4 | | 24.5 | 19.9 | | 9.5 | | 36.6 | 43.4 | |
| 9.5 | 13 | 22.8 | 35.8 | | 9.5 | | 49.0 | 51.3 | | 9.5 | 36 | 14.3 | 54.6 | | 9.0 | | 34.6 | 19.5 | K | 9.4 | | 40.7 | 35.6 | αB |
| 9.1 | | 34.0 | 59.8 | K | 9.5 | 26 | 7.9 | 11.9 | | 9.3 | | 33.8 | 6.2 | | 7.9 | 47 | 0.2 | 47.3 | K | 9.5 | | 49.5 | 32.5 | |
| 9.5 | 14 | 5.0 | 1.7 | | 9.4 | | 16.1 | 26.6 | | 9.5 | 37 | 14.4 | 30.5 | | 9.5 | | 13.7 | 54.6 | | 9.5 | 58 | 28.8 | 12.6 | |
| 8.0 | | 9.3 | 13.2 | K | 9.5 | | 22.4 | 30.2 | B | 8.2 | | 51.9 | 58.1 | L | 9.0 | | 14.4 | 37.7 | | 9.5 | | 33.9 | 4.1 | |
| 8.8 | | 43.7 | 2.7 | K | 9.3 | | 38.6 | 25.6 | αB | 8.7 | 38 | 5.1 | 49.6 | L | 9.5 | | 59.1 | 50.1 | | 9.5 | | 54.8 | 31.7 | |
| 9.5 | | 54.8 | 58.9 | | 9.5 | | 44.9 | 20.5 | | 9.4 | | 8.4 | 50.5 | | 7.5 | 48 | 2.5 | 4.7 | L | 9.5 | 59 | 3.0 | 6.3 | |
| 9.4 | 15 | 18.4 | 12.3 | | 9.5 | 27 | 19.8 | 17.4 | | 9.4 | | 15.0 | 16.1 | | 9.0 | | 36.4 | 32.1 | | 8.3 | | 10.1 | 51.1 | K |
| 9.5 | | 30.8 | 23.0 | | 6.0 | | 28.9 | 41.5 | L | 9.3 | | 31.1 | 58.2 | | 7.0 | | 46.3 | 40.1 | K | 8.9 | | 29.9 | 4.6 | K |
| 9.5 | 16 | 12.1 | 9.0 | | 9.5 | | 30.3 | 2.5 | | 7.5 | | 36.0 | 28.8 | L | 9.5 | 49 | 18.1 | 56.3 | | 9.5 | | 31.2 | 38.3 | |
| 9.1 | 17 | 0.3 | 27.9 | K | 9.3 | 28 | 40.4 | 42.5 | | 8.3 | | 41.9 | 15.0 | Kb | 8.5 | | 21.9 | 24.2 | K | 9.5 | | 51.7 | 5.6 | |
| 9.5 | | 0.4 | 8.3 | | 9.4 | 29 | 11.8 | 13.9 | | 9.4 | 39 | 11.4 | 15.3 | | 9.1 | 50 | 9.2 | 27.3 | b | 9.5 | | 59.3 | 19.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 28.89 | 3.26 | | 10pr. | | 29.33 | 3.29 | | 10pr. | | 29.75 | 3.32 | | 10pr. | | 30.17 | 3.34 | | 10pr. | | 30.59 | 3.34 | |

# Zone +33°

| 1—40 | | | | | 41—80 | | | | | 81—120 | | | | | 121—160 | | | | | 161—200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +33° | | | 0h | | +33° | | | 0h | | +33° | | | 0h | | +33° | | | 0h—1h | | +33° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.5 | 0 | 0.8 | 36.3 | | 8.9 | 18 | 23.9 | 58.7 | | 9.0 | 29 | 3.2 | 49.1 | | 9.3 | 44 | 48.8 | 17.9 | | 8.8 | 57 | 11.3 | 40.7 | K |
| 9.0 | | 5.7 | 29.0 | | 9.4 | | 34.2 | 16.8 | | 9.5 | | 4.3 | 17.5 | B | 9.5 | 45 | 0.7 | 25.5 | | 9.4 | | 28.5 | 0.6 | |
| 8.5 | | 7.3 | 32.1 | L | 9.5 | | 57.7 | 10.6 | | 9.3 | | 36.3 | 6.7 | B | 9.5 | | 6.1 | 57.1 | | 9.5 | | 42.0 | 3.5 | *B* |
| 9.0 | | 13.9 | 20.3 | | 7.2 | 19 | 1.3 | 23.0 | L | 9.5 | | 58.0 | 43.0 | | 8.0 | | 26.9 | 8.0 | *Kb* | 9.5 | | 46.8 | 23.8 | |
| 8.4 | | 48.3 | 40.5 | K | 9.0 | | 6.3 | 26.5 | | 9.4 | | 58.9 | 38.3 | | 9.2 | | 43.4 | 18.9 | | 9.4 | | 53.1 | 11.3 | |
| 9.1 | 1 | 20.8 | 4.4 | K | 9.2 | | 40.7 | 25.4 | | 9.5 | 30 | 0.0 | 15.0 | | 8.8 | | 53.9 | 53.4 | | 9.5 | | 59.3 | 56.5 | |
| 8.9 | | 31.4 | 33.1 | | 7.8 | | 56.5 | 13.0 | K | 9.3 | | 25.8 | 9.5 | K | 9.3 | 46 | 21.6 | 0.8 | | 8.3 | 58 | 19.4 | 32.5 | |
| 8.9 | | 52.6 | 4.2 | K | 9.5 | 20 | 25.0 | 23.7 | | 9.5 | 31 | 9.8 | 13.7 | | 8.8 | | 36.5 | 52.9 | | 9.0 | | 21.4 | 24.9 | |
| 9.4 | 2 | 7.9 | 10.3 | | 9.4 | | 31.7 | 32.0 | | 8.1 | | 14.9 | 31.0 | K | 9.5 | | 51.2 | 9.5 | | 8.2 | 59 | 24.9 | 12.7 | *Kb* |
| 9.5 | | 32.5 | 52.4 | | 9.4 | | 41.3 | 6.3 | | 9.5 | | 30.7 | 11.6 | | 8.5 | 47 | 38.0 | 45.6 | B | 9.1 | | 35.1 | 19.2 | |
| 9.0 | | 55.8 | 9.0 | K | 7.0 | | 49.4 | 0.5 | K | 9.5 | | 38.7 | 58.0 | | 9.4 | | 38.7 | 20.4 | | 9.0 | | 39.6 | 53.4 | |
| 9.5 | 3 | 0.5 | 52.4 | | 9.5 | | 50.9 | 37.2 | | 9.5 | | 52.4 | 48.5 | | 9.0 | | 43.5 | 46.1 | K | 8.5 | | 40.8 | 26.9 | K |
| 9.0 | 4 | 4.3 | 28.3 | | 9.2 | 21 | 36.7 | 5.1 | | 9.5 | 32 | 19.2 | 3.5 | | 8.5 | 48 | 9.8 | 19.7 | | 9.0 | 0 | 9.8 | 36.7 | |
| 9.5 | | 20.9 | 48.5 | | 9.5 | | 50.8 | 57.4 | | 9.5 | 33 | 28.1 | 37.0 | | 9.5 | | 14.2 | 28.7 | | 8.8 | | 11.3 | 49.0 | K |
| 9.0 | | 43.4 | 6.5 | K | 9.5 | | 54.0 | 19.2 | | 9.5 | | 58.5 | 39.8 | | 8.4 | | 15.1 | 5.7 | K | 9.4 | | 11.5 | 58.9 | |
| 9.5 | | 59.7 | 15.5 | | 9.4 | | 58.4 | 17.5 | *aB* | 8.3 | 34 | 2.5 | 4.7 | K | 9.5 | | 52.8 | 29.7 | | 8.3 | | 32.4 | 46.3 | K |
| 9.5 | 5 | 54.0 | 20.8 | | 9.4 | 22 | 17.3 | 7.5 | B | 9.5 | | 13.3 | 41.7 | | 9.5 | 49 | 8.5 | 54.8 | | 9.5 | | 39.8 | 54.8 | |
| 9.4 | 6 | 32.3 | 17.5 | | 7.8 | 23 | 17.7 | 18.7 | K | 9.3 | | 21.0 | 40.5 | *b* | 8.3 | | 39.1 | 23.1 | | 7.0 | 1 | 12.5 | 9.6 | K |
| 9.1 | | 34.8 | 13.4 | *b* | 8.8 | | 22.2 | 50.1 | | 8.5 | 35 | 47.7 | 3.8 | *Kb* | 9.0 | 50 | 16.3 | 34.9 | K | 8.8 | | 35.3 | 11.6 | K |
| 9.5 | 7 | 20.7 | 21.4 | | 9.1 | | 28.3 | 5.7 | *b* | 9.4 | 36 | 2.2 | 24.5 | | 6.2 | | 19.0 | 11.0 | K | 8.0 | | 40.0 | 50.6 | K |
| 9.2 | 8 | 52.1 | 12.8 | *Kb* | 9.5 | | 41.7 | 53.6 | | 9.3 | 37 | 16.0 | 1.9 | | 9.0 | 51 | 5.5 | 49.6 | | 7.0 | | 55.4 | 6.4 | K |
| 9.5 | 9 | 49.0 | 4.2 | | 9.5 | | 52.1 | 8.0 | | 9.4 | | 31.8 | 42.5 | | 9.5 | | 20.8 | 42.7 | | 9.0 | 2 | 7.1 | 28.0 | |
| 9.5 | 10 | 13.6 | 6.2 | | 9.5 | 24 | 42.4 | 3.8 | | 9.5 | | 38.6 | 46.4 | | 9.3 | | 24.9 | 14.9 | K | 9.5 | | 47.5 | 22.7 | |
| 8.3 | | 22.5 | 46.5 | K | 9.4 | | 48.8 | 38.6 | | 9.4 | | 42.5 | 17.5 | | 9.5 | | 28.4 | 27.0 | | 9.3 | 3 | 14.2 | 53.2 | |
| 9.4 | | 38.1 | 28.8 | | 9.5 | 25 | 6.5 | 55.8 | | 9.5 | 38 | 25.2 | 33.2 | | 9.5 | | 32.1 | 4.6 | | 8.0 | 4 | 27.1 | 21.0 | L |
| 8.8 | 11 | 30.0 | 40.6 | | 9.5 | | 20.2 | 11.9 | | 9.5 | | 48.4 | 2.2 | | 9.3 | | 38.9 | 58.3 | | 9.5 | 5 | 8.4 | 47.4 | |
| 9.4 | 12 | 17.4 | 48.4 | | 8.0 | | 21.9 | 3.1 | K | 9.5 | 39 | 6.3 | 41.5 | | 9.5 | 52 | 6.6 | 12.2 | | 7.0 | | 12.1 | 20.6 | L |
| 9.5 | | 39.6 | 40.6 | | 9.2 | | 47.7 | 7.2 | K | 9.5 | | 42.9 | 12.4 | | 9.5 | | 58.7 | 10.6 | | 7.0 | | 55.4 | 43.6 | *Kb* |
| 9.4 | 14 | 23.9 | 6.6 | | 9.5 | 26 | 8.2 | 47.0 | | 9.0 | | 57.4 | 49.1 | | 8.9 | 53 | 25.1 | 16.9 | | 8.8 | 6 | 2.9 | 38.8 | K |
| 9.5 | | 35.9 | 15.0 | *B* | 9.5 | | 18.6 | 7.4 | | 9.0 | 40 | 18.2 | 23.7 | | 9.1 | | 44.6 | 31.8 | | 8.9 | | 15.2 | 32.5 | |
| 9.2 | | 52.3 | 38.6 | *aB* | 9.3 | | 55.3 | 27.4 | B | 9.5 | 41 | 19.3 | 7.4 | | 9.5 | 54 | 3.4 | 56.8 | | 9.5 | | 26.0 | 55.0 | |
| 9.5 | | 55.0 | 56.8 | | 9.5 | | 57.3 | 25.4 | *a* | 9.5 | | 47.8 | 53.4 | | 8.8 | | 18.3 | 40.8 | K | 9.5 | | 36.2 | 44.3 | |
| 8.9 | 15 | 11.7 | 53.7 | K | 9.1 | 27 | 13.7 | 11.5 | *Kb* | 9.5 | 42 | 4.2 | 55.5 | | 8.7 | | 46.0 | 52.8 | K | 8.3 | | 59.4 | 31.4 | K |
| 9.5 | | 48.3 | 24.4 | | 9.0 | | 30.9 | 3.5 | | 9.0 | | 48.7 | 9.5 | | 9.0 | | 48.0 | 43.2 | K | 8.8 | 7 | 20.2 | 42.3 | |
| 9.4 | 16 | 24.2 | 59.5 | | 7.5 | | 55.6 | 39.0 | K | 9.4 | | 59.8 | 7.1 | | 9.1 | | 50.0 | 19.3 | *Bb* | 8.2 | | 35.7 | 57.1 | *Kb* |
| 8.8 | | 41.7 | 34.1 | | 8.6 | 28 | 8.2 | 48.7 | K | *8.8 | 43 | 16.8 | 29.7 | | 9.5 | | 50.9 | 50.2 | | 8.6 | | 44.8 | 32.8 | K |
| 9.1 | | 59.9 | 3.6 | K | 9.0 | | 10.5 | 50.3 | K | 7.0 | 44 | 5.1 | 5.7 | K | 9.1 | 55 | 0.2 | 28.7 | *a* | 9.5 | 8 | 23.9 | 2.0 | |
| 9.2 | 17 | 0.3 | 54.6 | | 9.4 | | 37.7 | 6.5 | | 9.4 | | 25.1 | 58.1 | | 9.2 | | 13.7 | 54.5 | | 9.4 | | 41.6 | 31.9 | |
| 8.1 | | 59.2 | 19.2 | K | 9.1 | | 39.0 | 55.6 | B | 9.0 | | 26.2 | 29.4 | | 8.6 | | 15.0 | 29.3 | | 9.0 | 9 | 4.4 | 12.3 | *Kb* |
| 9.0 | 18 | 6.3 | 22.6 | K | 9.5 | | 39.0 | 52.8 | | 8.0 | | 41.6 | 51.0 | B | 9.5 | 56 | 52.8 | 36.9 | | 9.5 | 10 | 23.1 | 21.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *31.04* | *3.34* | | *10pr.* | | *31.63* | *3.32* | | *10pr.* | | *32.13* | *3.30* | | *10pr.* | | *32.67* | *3.26* | | *10pr.* | | *33.08* | *3.22* | |

*116 α*
*var* | 43 31 | 35.2 |

201—260

| m | 1ᵘ | +33° | |
|---|---|---|---|
| 9.3 | 10 29.6 | 13.7 | |
| 9.5 | 44.9 | 0.8 | |
| 9.0 | 11 9.4 | 5.3 | K |
| 8.4 | 23.5 | 43.6 | |
| 7.3 | 26.7 | 59.3 | B |
| 8.3 | 43.5 | 15.8 | K |
| 8.8 | 55.2 | 44.0 | |
| 9.5 | 12 4.4 | 30.5 | B |
| 8.5 | 19.6 | 13.0 | K |
| 9.5 | 45.5 | 0.7 | |
| 9.4 | 50.4 | 7.4 | |
| 9.3 | 55.9 | 56.3 | |
| 9.2 | 56.4 | 49.8 | K |
| 9.5 | 13 14.5 | 54.7 | |
| 9.5 | 25.9 | 28.3 | |
| 9.5 | 47.8 | 5.3 | |
| 9.5 | 49.7 | 13.0 | |
| 9.3 | 54.8 | 52.0 | K |
| 9.5 | 14 26.4 | 34.6 | |
| 6.3 | 15 25.2 | 28.7 | Kb |
| 9.3 | 16 7.2 | 28.3 | |
| 9.4 | 8.0 | 57.4 | |
| 9.5 | 30.6 | 39.5 | |
| 8.5 | 51.4 | 55.0 | B |
| 9.4 | 17 14.7 | 9.2 | |
| 8.9 | 28.0 | 52.5 | |
| 9.5 | 30.2 | 0.4 | |
| 6.5 | 54.0 | 49.7 | K |
| 9.5 | 18 9.5 | 51.1 | |
| 9.3 | 39.2 | 17.1 | |
| 9.5 | 39.9 | 26.8 | |
| 7.8 | 49.5 | 53.2 | K |
| 9.0 | 52.4 | 45.9 | B |
| 6.6 | 52.4 | 36.4 | L |
| 9.5 | 19 23.2 | 11.6 | |
| 8.2 | 34.7 | 51.9 | K |
| 9.4 | 20 20.7 | 17.9 | |
| 9.1 | 21 9.4 | 21.1 | b |
| 9.3 | 23.1 | 40.5 | K |
| 9.5 | 35.4 | 55.7 | |
| 9.5 | 55.3 | 50.5 | |
| 9.5 | 22 16.8 | 58.0 | |
| 9.1 | 21.3 | 24.4 | aB |
| 9.5 | 28.2 | 24.6 | |
| 9.4 | 29.2 | 24.1 | |
| 8.1 | 39.4 | 26.6 | K |
| 9.4 | 55.1 | 29.0 | |
| 9.2 | 58.9 | 4.1 | b |
| 9.5 | 23 38.7 | 1.2 | |
| 9.5 | 24 4.4 | 0.7 | |
| 9.4 | 11.8 | 16.8 | |
| 7.8 | 43.7 | 7.2 | K |
| 9.4 | 25 0.1 | 29.5 | |
| 9.5 | 40.7 | 47.9 | |
| 9.3 | 41.6 | 26.5 | |
| 9.1 | 26 11.2 | 56.2 | K |
| 9.1 | 13.3 | 55.4 | K |
| 9.1 | 39.4 | 36.8 | b |
| 6.5 | 27 36.4 | 6.1 | K |
| 9.0 | 56.1 | 22.9 | K |
| 10pr. | + 33.70 | + 3.15 | |

261—320

| m | 1ᵘ | +33° | |
|---|---|---|---|
| 9.5 | 27 56.4 | 42.4 | |
| 9.2 | 28 33.1 | 37.1 | K |
| 8.7 | 46.9 | 53.4 | K |
| 9.5 | 29 27.1 | 52.9 | |
| 9.4 | 32.2 | 42.7 | |
| 9.0 | 30 12.4 | 48.0 | |
| 8.9 | 21.9 | 36.5 | B |
| 9.5 | 31.0 | 55.5 | |
| 9.0 | 46.0 | 38.5 | |
| 9.4 | 31 13.6 | 28.7 | B |
| 9.4 | 30.7 | 27.8 | |
| 9.5 | 32.1 | 31.9 | |
| 7.7 | 32 7.4 | 37.3 | K |
| 9.5 | 7.5 | 57.3 | |
| 9.1 | 24.8 | 4.0 | K |
| 9.0 | 33 6.7 | 24.3 | |
| 9.3 | 10.2 | 40.4 | B |
| 9.0 | 21.8 | 58.3 | K |
| 9.3 | 27.9 | 44.4 | |
| 9.3 | 28.7 | 5.6 | |
| 9.4 | 57.7 | 47.9 | |
| 9.5 | 59.1 | 32.2 | |
| 9.3 | 34 5.5 | 54.7 | |
| 9.4 | 17.9 | 48.2 | |
| 9.4 | 35 4.8 | 42.5 | |
| 9.1 | 17.2 | 39.0 | Bb |
| 9.3 | 17.7 | 48.3 | B |
| 9.4 | 31.9 | 54.6 | |
| 9.0 | 36.3 | 46.5 | B |
| 9.5 | 36 0.4 | 19.5 | |
| 9.3 | 37.7 | 19.4 | |
| 9.2 | 52.0 | 7.9 | |
| 9.5 | 37 11.4 | 33.0 | |
| 8.1 | 25.7 | 7.4 | K |
| 8.2 | 52.9 | 0.9 | K |
| 9.5 | 38 38.8 | 55.0 | |
| 9.0 | 55.6 | 35.8 | K |
| 9.5 | 39 12.5 | 21.9 | |
| 9.2 | 41.4 | 0.9 | |
| 9.3 | 45.2 | 52.9 | |
| 9.1 | 40 27.8 | 2.4 | K |
| 8.0 | 28.4 | 25.2 | K |
| 9.2 | 37.1 | 51.1 | B |
| 9.4 | 43.0 | 57.3 | |
| 8.3 | 47.8 | 20.5 | K |
| 9.5 | 41 49.5 | 21.9 | |
| 9.5 | 49.9 | 47.4 | |
| 8.5 | 43 14.2 | 3.4 | K |
| 9.5 | 12.8 | 33.4 | |
| 9.2 | 51.8 | 12.3 | K |
| 8.8 | 44 13.9 | 11.9 | K |
| 9.5 | 45 10.6 | 23.2 | |
| 8.4 | 16.4 | 47.2 | K |
| 9.5 | 33.9 | 38.5 | B |
| 9.5 | 42.8 | 53.3 | |
| 9.3 | 49.1 | 23.8 | |
| 9.5 | 46 23.2 | 4.7 | |
| 8.5 | 30.9 | 1.9 | K |
| 9.5 | 47.5 | 30.0 | |
| 9.5 | 47 13.0 | 53.5 | |
| 10pr. | + 34.33 | + 3.05 | |

321—380

| m | 1ᵘ—2ᵘ | +33° | |
|---|---|---|---|
| 9.1 | 47 14.4 | 51.0 | K |
| 9.5 | 28.0 | 52.0 | |
| 9.5 | 35.4 | 13.0 | |
| 9.5 | 48 5.5 | 27.4 | |
| 9.5 | 7.5 | 41.1 | |
| 9.4 | 40.2 | 58.7 | |
| 8.2 | 49 13.8 | 25.7 | K |
| 7.6 | 25.4 | 6.6 | L |
| 9.5 | 50 14.8 | 52.1 | B |
| 7.4 | 33.0 | 37.9 | Kb |
| 9.4 | 40.7 | 4.1 | |
| 9.5 | 52.4 | 50.9 | |
| 9.3 | 56.5 | 30.7 | |
| 8.8 | 51 20.9 | 57.1 | B |
| 9.5 | 39.6 | 31.1 | |
| 9.5 | 52 26.8 | 7.9 | |
| 7.9 | 27.4 | 35.4 | B |
| 9.4 | 30.9 | 0.3 | |
| 9.0 | 54.0 | 49.9 | |
| 9.0 | 55.2 | 16.4 | K |
| 9.4 | 53 1.4 | 11.1 | |
| 9.3 | 23.0 | 13.1 | B |
| 9.1 | 35.3 | 5.2 | B |
| 9.5 | 35.9 | 56.0 | |
| 9.0 | 57.8 | 22.5 | |
| 9.5 | 54 7.6 | 21.2 | |
| 8.1 | 11.0 | 4.3 | K |
| 8.4 | 14.9 | 57.4 | K |
| 9.4 | 25.1 | 39.2 | |
| 9.5 | 48.8 | 11.4 | |
| 9.0 | 55 1.0 | 40.0 | B |
| 9.3 | 2.2 | 9.9 | |
| 9.5 | 19.4 | 51.4 | |
| 9.5 | 35.5 | 13.3 | |
| 9.5 | 39.9 | 3.6 | B |
| 9.5 | 57.8 | 25.6 | |
| 9.5 | 56 13.3 | 32.5 | |
| 9.5 | 23.1 | 0.3 | |
| 9.5 | 34.7 | 16.7 | |
| 9.3 | 57 24.6 | 38.7 | |
| 9.0 | 51.1 | 12.1 | K |
| 8.9 | 58 17.2 | 32.4 | K |
| 9.2 | 17.5 | 53.9 | |
| 9.4 | 50.0 | 51.3 | |
| 9.3 | 59 11.2 | 35.6 | K |
| 9.3 | 14.3 | 44.6 | |
| 9.4 | 19.6 | 50.3 | |
| 9.0 | 32.2 | 58.1 | K |
| 8.8 | 44.5 | 57.3 | K |
| 9.5 | 52.2 | 46.9 | |
| 9.5 | 57.0 | 18.8 | |
| 9.5 | 0 23.4 | 38.5 | |
| 8.8 | 48.5 | 15.0 | K |
| 9.2 | 1 22.1 | 38.0 | |
| 9.4 | 39.8 | 54.5 | |
| 9.5 | 2 8.4 | 45.0 | |
| 8.9 | 38.7 | 5.6 | K |
| 9.4 | 3 5.6 | 22.7 | |
| 9.2 | 27.6 | 8.0 | K |
| 9.5 | 58.3 | 56.3 | |
| 10pr. | + 34.97 | + 2.93 | |

381—440

| m | 2ᵘ | +33° | |
|---|---|---|---|
| 9.4 | 4 47.5 | 57.2 | |
| 9.4 | 5 8.1 | 20.7 | |
| 8.5 | 21.5 | 50.5 | K |
| 8.5 | 26.4 | 56.7 | K |
| 8.2 | 46.6 | 46.3 | K |
| 9.4 | 51.3 | 6.1 | |
| 9.5 | 6 14.5 | 12.3 | |
| 9.4 | 18.8 | 4.6 | |
| 9.5 | 39.4 | 36.9 | |
| 9.5 | 58.1 | 39.3 | |
| 8.3 | 7 30.5 | 37.6 | L |
| 9.5 | 48.2 | 14.3 | |
| 9.4 | 59.1 | 37.5 | |
| 9.5 | 8 10.2 | 49.3 | |
| 5.0 | 14.4 | 34.6 | Kb |
| 9.5 | 41.9 | 51.0 | |
| 4.1 | 43.4 | 11.1 | K |
| 9.3 | 50.5 | 14.9 | |
| 8.7 | 54.8 | 5.1 | K |
| 9.5 | 9 6.1 | 26.9 | |
| 9.4 | 6.9 | 21.8 | |
| 9.5 | 13.6 | 28.4 | B |
| 9.5 | 15.2 | 54.8 | |
| 9.3 | 32.4 | 44.5 | |
| 7.8 | 10 0.3 | 49.7 | K |
| 8.0 | 40.1 | 22.1 | K |
| 9.5 | 11 35.2 | 25.3 | |
| 9.5 | 48.9 | 35.1 | |
| 8.9 | 12 3.0 | 49.9 | K |
| 9.4 | 35.3 | 47.0 | |
| 9.2 | 54.6 | 24.9 | |
| 9.0 | 13 5.5 | 34.9 | |
| 9.5 | 18.8 | 45.0 | |
| 9.3 | 26.8 | 12.4 | |
| 9.4 | 30.0 | 50.9 | |
| 9.2 | 14 7.6 | 41.3 | |
| 7.8 | 8.1 | 2.4 | K |
| 9.5 | 25.0 | 59.6 | |
| 9.3 | 39.9 | 47.0 | |
| 8.6 | 56.0 | 25.7 | B |
| 9.1 | 15 5.5 | 6.1 | |
| 7.5 | 14.3 | 12.0 | K |
| 9.5 | 16 2.8 | 5.7 | |
| 9.5 | 7.7 | 23.2 | |
| 7.2 | 31.1 | 12.9 | K |
| 9.5 | 17 8.5 | 40.4 | |
| 9.5 | 10.8 | 16.0 | |
| 9.3 | 24.6 | 8.7 | |
| 7.8 | 26.5 | 48.8 | B |
| 9.5 | 45.4 | 52.9 | |
| 9.5 | 47.3 | 21.5 | |
| 9.3 | 50.6 | 34.0 | |
| 7.7 | 18 21.4 | 16.5 | K |
| 9.0 | 34.9 | 56.5 | K |
| 9.5 | 19 12.4 | 26.7 | |
| 7.7 | 32.1 | 32.5 | B |
| 9.5 | 36.5 | 46.3 | |
| 9.5 | 20 0.0 | 23.6 | |
| 9.5 | 4.6 | 42.6 | |
| 9.0 | 14.8 | 2.4 | |
| 10pr. | + 35.56 | + 2.80 | |

441—500

| m | 2ᵘ | +33° | |
|---|---|---|---|
| 9.5 | 20 15.1 | 9.0 | |
| 9.5 | 51.5 | 53.8 | |
| 9.5 | 21 27.9 | 23.6 | |
| 9.5 | 32.5 | 3.2 | |
| 6.5 | 35.7 | 11.3 | K |
| 9.4 | 22 0.8 | 51.0 | |
| 8.9 | 15.9 | 42.3 | K |
| 9.5 | 39.2 | 14.7 | |
| 9.1 | 58.2 | 27.6 | |
| 9.5 | 23 6.4 | 25.7 | |
| 9.5 | 21.5 | 49.9 | |
| 9.5 | 48.4 | 12.1 | |
| 9.3 | 48.6 | 48.9 | B |
| 6.4 | 24 8.5 | 54.2 | K |
| 9.2 | 15.0 | 51.8 | |
| 9.5 | 24.6 | 40.8 | |
| 9.5 | 30.2 | 19.8 | |
| 7.5 | 58.0 | 42.7 | L |
| 9.4 | 25 15.6 | 25.8 | |
| 9.5 | 30.9 | 54.6 | ? |
| 6.6 | 31.4 | 8.1 | K |
| 8.2 | 49.2 | 15.9 | K |
| 7.6 | 59.2 | 26.7 | K |
| 9.0 | 26 8.3 | 9.4 | K |
| 8.1 | 18.1 | 32.2 | K |
| 8.5 | 36.4 | 43.1 | K |
| 9.5 | 27 48.4 | 38.1 | |
| 9.2 | 55.3 | 30.6 | |
| 9.5 | 28 11.0 | 8.6 | |
| var | 15.9 | 37.8 | B |
| 9.5 | 42.0 | 34.8 | |
| 9.5 | 44.2 | 15.9 | |
| 9.5 | 54.3 | 55.5 | |
| 9.5 | 54.3 | 0.9 | |
| 9.5 | 29 41.4 | 8.5 | |
| 8.0 | 46.9 | 44.2 | B |
| 9.5 | 49.1 | 56.3 | |
| 8.2 | 52.1 | 42.2 | B |
| 9.5 | 30 0.0 | 6.0 | |
| 9.5 | 14.7 | 6.4 | |
| 7.5 | 31 4.8 | 19.8 | K |
| 8.0 | 6.2 | 26.2 | L |
| 9.4 | 11.4 | 11.1 | |
| 9.5 | 23.4 | 54.3 | |
| 8.0 | 29.1 | 57.7 | B |
| 9.4 | 44.6 | 26.0 | B |
| 9.4 | 49.3 | 32.2 | |
| 9.4 | 32 9.6 | 39.6 | |
| 9.5 | 41.5 | 49.3 | |
| 8.4 | 42.8 | 53.6 | K |
| 7.1 | 33 29.3 | 40.8 | K |
| 9.5 | 33.1 | 51.1 | |
| 8.2 | 48.4 | 8.7 | Kb |
| 8.1 | 34 32.5 | 32.6 | K |
| 9.4 | 35.0 | 57.9 | |
| 9.4 | 48.8 | 6.9 | B |
| 9.2 | 35 36.2 | 1.0 | |
| 8.8 | 41.5 | 52.2 | K |
| 8.8 | 46.0 | 48.2 | K |
| 9.4 | 36 4.2 | 43.9 | B |
| 10pr. | + 36.05 | + 2.66 | |

501—560

| m | 2ª | | +33° | |
|---|---|---|---|---|
| 8.5 | 36 | 15.0 | 42.7 | K |
| 8.5 | | 31.3 | 42.5 | K |
| 7.8 | | 58.7 | 49.4 | Kb |
| 9.0 | 37 | 7.1 | 38.5 | |
| 9.5 | | 19.7 | 9.1 | |
| 9.5 | | 38.0 | 56.2 | B |
| 9.5 | | 50.0 | 10.7 | |
| 9.0 | 38 | 28.5 | 22.2 | |
| 9.1 | | 28.7 | 35.0 | b |
| 9.2 | | 31.5 | 25.8 | |
| 9.5 | | 38.4 | 7.5 | B |
| 8.5 | | 44.3 | 1.4 | K |
| 9.4 | 39 | 13.9 | 52.5 | |
| 9.5 | | 37.7 | 22.2 | |
| 9.3 | 40 | 16.2 | 13.3 | |
| 9.4 | | 20.8 | 17.2 | B |
| 9.3 | | 22.7 | 21.8 | B |
| 9.5 | | 27.1 | 16.7 | |
| 8.3 | | 29.8 | 54.6 | K |
| 9.5 | | 33.2 | 8.0 | |
| 7.1 | | 36.7 | 19.7 | K |
| 9.5 | | 55.7 | 30.3 | |
| 9.5 | | 57.7 | 23.6 | |
| 9.0 | 41 | 5.0 | 58.6 | K |
| 9.2 | | 6.7 | 3.4 | |
| 8.6 | | 11.7 | 12.8 | K |
| 9.5 | | 55.6 | 46.2 | |
| 9.4 | 42 | 33.9 | 53.6 | |
| 9.4 | 43 | 1.5 | 49.9 | |
| 9.5 | | 33.2 | 0.3 | |
| 9.3 | | 40.7 | 57.5 | |
| 9.5 | 44 | 20.7 | 37.9 | |
| 9.4 | | 46.3 | 54.5 | |
| 9.5 | | 55.5 | 20.0 | |
| 9.4 | | 56.2 | 7.9 | |
| 9.5 | | 56.8 | 26.8 | |
| 9.5 | 45 | 33.2 | 25.9 | |
| 9.1 | | 41.4 | 54.5 | K |
| 9.5 | | 52.0 | 24.4 | |
| 9.5 | | 58.8 | 13.3 | |
| 9.2 | 46 | 47.4 | 44.8 | |
| 8.4 | | 51.5 | 53.5 | |
| 8.9 | | 58.0 | 5.0 | b |
| 9.5 | 47 | 9.2 | 47.6 | |
| 9.0 | | 38.7 | 51.3 | K |
| 8.8 | 48 | 21.0 | 22.2 | Kb |
| 8.4 | 49 | 3.5 | 39.2 | K |
| 9.5 | | 33.4 | 30.9 | |
| 9.5 | | 34.6 | 42.5 | |
| 9.0 | 50 | 20.8 | 42.2 | |
| 9.5 | | 26.8 | 47.2 | |
| 9.0 | | 39.0 | 51.2 | B |
| 8.3 | | 42.1 | 14.8 | K |
| 9.5 | 51 | 1.0 | 5.2 | |
| 9.5 | | 12.3 | 20.6 | |
| 9.0 | | 29.0 | 47.7 | K |
| 9.2 | | 37.1 | 3.0 | b |
| 8.7 | 52 | 15.7 | 51.1 | K |
| 9.5 | 53 | 20.6 | 17.8 | |
| 9.5 | | 25.0 | 39.3 | |
| | | + | + | |
| 10pr. | | 36.51 | 2.52 | |

561—620

| m | 2ª—3ª | | +33° | |
|---|---|---|---|---|
| 9.5 | 53 | 54.3 | 59.8 | |
| 8.3 | 54 | 8.1 | 19.9 | Kb |
| 8.6 | | 10.8 | 52.2 | K |
| 9.5 | | 34.6 | 25.5 | |
| 7.7 | | 54.2 | 53.4 | K |
| 8.3 | 55 | 17.0 | 33.4 | |
| 9.5 | | 38.1 | 10.4 | |
| 9.3 | | 48.4 | 15.0 | |
| 9.5 | | 53.0 | 45.5 | |
| 9.4 | 56 | 17.1 | 13.7 | B |
| 9.5 | | 22.1 | 21.0 | |
| 9.5 | | 33.8 | 10.9 | |
| 9.5 | | 48.8 | 14.7 | |
| 7.5 | 57 | 0.5 | 26.5 | K |
| 8.7 | | 7.0 | 5.4 | |
| 8.2 | | 10.0 | 12.4 | K |
| 7.3 | | 29.6 | 32.7 | K |
| 7.7 | | 36.0 | 4.3 | K |
| 8.5 | 58 | 4.7 | 56.0 | K |
| 9.4 | | 22.6 | 22.1 | B |
| 9.1 | | 34.3 | 54.6 | |
| 9.5 | | 38.6 | 22.7 | |
| 9.5 | 59 | 23.4 | 32.4 | |
| 9.5 | | 35.0 | 3.2 | |
| 9.1 | | 37.6 | 44.9 | b |
| 9.4 | 0 | 19.8 | 55.0 | |
| 9.5 | | 23.0 | 43.4 | |
| 9.4 | | 38.5 | 4.4 | B |
| 9.4 | | 48.4 | 6.4 | |
| 9.4 | 1 | 55.8 | 58.5 | |
| 9.5 | 2 | 4.3 | 1.7 | |
| 9.5 | | 8.6 | 22.2 | |
| 9.4 | | 8.7 | 53.6 | |
| 9.5 | | 36.8 | 54.0 | |
| 9.5 | | 42.0 | 29.6 | |
| 9.3 | | 47.1 | 3.4 | |
| 9.5 | | 59.6 | 23.4 | |
| 9.2 | 3 | 1.8 | 9.8 | |
| 9.4 | | 20.7 | 20.0 | |
| 9.2 | | 37.9 | 22.3 | Bb |
| 9.3 | 4 | 15.4 | 8.9 | |
| 9.5 | | 31.6 | 39.7 | |
| 9.5 | | 54.1 | 6.4 | |
| 9.5 | 5 | 18.0 | 32.7 | |
| 9.2 | 6 | 31.7 | 9.8 | K |
| 8.8 | | 40.0 | 34.5 | |
| 8.5 | | 40.4 | 40.0 | |
| 9.4 | | 48.6 | 50.4 | B |
| 9.5 | 7 | 30.3 | 44.8 | |
| 9.5 | | 41.0 | 49.0 | |
| 9.5 | | 47.0 | 41.0 | |
| 9.0 | | 51.0 | 8.7 | |
| 9.4 | 8 | 6.4 | 5.2 | |
| 9.1 | | 13.0 | 59.8 | b |
| 8.5 | | 35.6 | 34.8 | K |
| 9.1 | | 47.0 | 22.0 | |
| 9.3 | 9 | 10.0 | 38.7 | |
| 9.3 | | 30.9 | 25.3 | B |
| 5.0 | | 41.9 | 40.7 | K |
| 9.3 | | 52.0 | 38.2 | |
| | | + | + | |
| 10pr. | | 37.03 | 2.34 | |

621—680

| m | 3ª | | +33° | |
|---|---|---|---|---|
| 9.4 | 10 | 28.6 | 14.0 | |
| 9.3 | | 34.1 | 5.4 | |
| 9.2 | 11 | 3.1 | 0.6 | |
| 9.5 | | 48.6 | 14.7 | |
| 9.3 | | 48.6 | 11.3 | |
| 9.3 | | 54.3 | 48.0 | |
| 8.7 | 13 | 3.3 | 58.0 | K |
| 9.5 | | 38.0 | 33.1 | |
| 9.2 | | 58.6 | 26.5 | |
| 9.2 | 14 | 5.1 | 20.4 | B |
| 9.1 | | 6.7 | 38.9 | |
| 8.2 | | 34.0 | 53.2 | K |
| 9.5 | 15 | 3.3 | 4.0 | |
| 7.9 | | 4.9 | 28.6 | L |
| 7.8 | | 23.6 | 45.6 | L |
| 5.5 | | 27.0 | 0.8 | K |
| 9.3 | | 35.0 | 11.6 | |
| 8.8 | | 52.3 | 41.8 | |
| 9.0 | | 54.6 | 17.2 | |
| 8.5 | 16 | 23.4 | 19.2 | K |
| 9.3 | | 29.9 | 7.2 | |
| 9.5 | | 30.5 | 54.2 | |
| 9.0 | | 57.0 | 20.3 | K |
| 9.5 | 17 | 18.8 | 54.3 | |
| 8.8 | | 20.6 | 45.9 | |
| 9.4 | | 32.3 | 6.8 | |
| 9.3 | | 42.0 | 28.6 | |
| 9.3 | | 54.5 | 8.6 | |
| 7.0 | | 57.4 | 54.4 | K |
| 9.3 | 18 | 10.3 | 25.8 | |
| 9.0 | | 11.0 | 36.6 | |
| 9.4 | | 16.8 | 56.4 | B |
| 9.4 | | 28.9 | 57.7 | |
| 9.0 | | 37.4 | 56.4 | B |
| 9.5 | | 39.3 | 7.3 | |
| 6.0 | 19 | 14.9 | 18.1 | B |
| 8.5 | | 16.2 | 51.8 | |
| 9.5 | | 26.0 | 41.8 | |
| 9.5 | | 41.9 | 23.3 | |
| 9.5 | 20 | 35.0 | 11.4 | |
| 9.5 | | 36.4 | 0.1 | |
| 9.3 | 21 | 19.8 | 4.3 | |
| 9.5 | | 35.3 | 57.0 | |
| 9.5 | | 48.8 | 54.9 | |
| 8.0 | | 54.6 | 23.7 | K |
| 9.5 | 22 | 18.7 | 4.5 | B |
| 7.3 | | 21.6 | 51.9 | K |
| 9.5 | | 31.1 | 1.0 | |
| 9.5 | | 42.3 | 47.4 | |
| 9.2 | | 52.4 | 15.9 | B |
| 9.3 | | 55.3 | 50.8 | |
| 9.5 | 23 | 14.0 | 5.0 | |
| 8.6 | | 18.3 | 4.1 | K |
| 9.0 | | 41.0 | 35.6 | |
| 9.3 | 24 | 22.3 | 40.0 | |
| 9.2 | | 38.8 | 11.9 | |
| 8.8 | | 43.1 | 46.6 | K |
| 9.5 | 25 | 31.0 | 33.7 | |
| 9.1 | | 58.5 | 53.4 | |
| 7.7 | 26 | 15.8 | 10.5 | K |
| | | + | + | |
| 10pr. | | 37.45 | 2.17 | |

681—740

| m | 3ª | | +33° | |
|---|---|---|---|---|
| 9.5 | 26 | 48.3 | 36.9 | |
| 7.0 | 27 | 36.1 | 51.8 | Bb |
| 9.3 | 28 | 54.2 | 47.3 | |
| 9.5 | 29 | 19.1 | 1.0 | |
| 8.8 | | 44.4 | 22.0 | K |
| 9.5 | 30 | 2.2 | 39.0 | |
| 8.7 | | 9.9 | 10.3 | K |
| 9.5 | | 14.6 | 55.3 | |
| 9.1 | | 33.4 | 33.8 | |
| 6.5 | | 57.6 | 38.6 | K |
| 9.4 | 31 | 7.4 | 27.4 | |
| 9.4 | | 14.4 | 29.1 | B |
| 8.6 | | 14.6 | 13.3 | K |
| 8.2 | | 35.4 | 9.6 | B |
| 9.5 | 32 | 6.6 | 45.9 | |
| 9.3 | | 22.7 | 12.9 | |
| 9.4 | | 29.6 | 54.1 | |
| 4.8 | 33 | 13.0 | 28.6 | Bb |
| 7.8 | | 25.7 | 5.2 | K |
| 9.4 | | 45.0 | 15.4 | |
| 9.5 | | 45.6 | 25.8 | |
| 9.3 | 34 | 3.0 | 45.5 | |
| 9.4 | | 4.6 | 7.3 | |
| 7.8 | | 12.0 | 38.6 | K |
| 9.3 | | 35.2 | 55.0 | |
| 9.3 | | 44.6 | 42.8 | |
| 9.5 | 35 | 0.0 | 51.4 | |
| 9.5 | | 16.4 | 33.5 | |
| 9.1 | | 53.1 | 57.1 | b |
| 9.4 | 36 | 9.6 | 25.0 | B |
| 9.5 | | 26.2 | 26.5 | |
| 9.2 | | 35.3 | 9.3 | |
| 9.5 | | 45.0 | 38.5 | |
| 9.5 | 37 | 18.5 | 23.6 | |
| 9.5 | | 52.4 | 52.0 | |
| 9.0 | 38 | 31.1 | 25.4 | |
| 7.0 | | 42.2 | 9.0 | K |
| 8.7 | | 51.7 | 19.4 | B |
| 7.5 | 39 | 29.9 | 50.7 | K |
| 9.1 | 40 | 1.3 | 57.6 | |
| 8.7 | | 4.8 | 7.1 | |
| 9.0 | | 45.2 | 53.9 | |
| 8.8 | | 58.8 | 54.1 | |
| 7.0 | 41 | 16.1 | 36.4 | B |
| 9.5 | | 29.2 | 59.6 | |
| 9.4 | 42 | 17.0 | 49.2 | |
| 9.1 | | 37.8 | 33.1 | aBb |
| 6.5 | | 38.2 | 55.1 | K |
| 9.5 | | 39.3 | 28.3 | |
| 7.5 | 43 | 4.5 | 45.1 | L |
| 8.5 | | 44.9 | 3.1 | K |
| 9.3 | 44 | 2.0 | 56.8 | B |
| 8.7 | | 11.0 | 58.5 | B |
| 9.3 | | 11.4 | 19.8 | |
| 9.4 | | 35.2 | 1.0 | |
| 9.0 | | 51.6 | 5.8 | |
| 9.0 | 45 | 6.2 | 28.7 | |
| 9.5 | | 42.5 | 52.0 | |
| 9.3 | | 46.9 | 59.0 | |
| 9.1 | 46 | 37.5 | 45.4 | b |
| | | + | + | |
| 10pr. | | 37.88 | 1.96 | |

741—800

| m | 3ª | | +33° | |
|---|---|---|---|---|
| 9.3 | 46 | 39.8 | 50.9 | |
| 9.5 | | 40.9 | 17.3 | |
| 9.2 | | 50.5 | 57.6 | |
| 9.4 | 47 | 0.0 | 15.5 | |
| 9.5 | | 5.4 | 31.6 | |
| 9.2 | | 14.9 | 29.3 | B |
| 8.3 | | 21.8 | 41.3 | K |
| 8.3 | | 43.5 | 51.2 | Kb |
| 8.3 | 48 | 32.2 | 31.2 | |
| 9.4 | 49 | 57.3 | 46.1 | aB |
| 9.5 | 50 | 3.8 | 2.4 | B |
| 9.3 | | 13.5 | 29.8 | |
| 9.3 | 51 | 6.4 | 55.6 | |
| 9.3 | | 26.0 | 44.3 | |
| 9.4 | | 36.7 | 34.4 | |
| 9.1 | | 41.0 | 39.6 | B |
| 8.9 | | 41.6 | 50.5 | B |
| 8.9 | | 50.9 | 3.5 | Bb |
| 9.0 | 52 | 12.9 | 37.7 | |
| 9.5 | | 36.1 | 19.1 | |
| 9.4 | | 43.8 | 10.1 | |
| 9.1 | | 50.0 | 42.6 | |
| 9.5 | | 52.0 | 59.0 | |
| 9.5 | 53 | 1.2 | 38.2 | |
| 9.5 | | 58.6 | 4.3 | |
| 9.2 | 54 | 2.0 | 14.7 | b |
| 9.2 | | 5.8 | 49.1 | |
| 9.5 | | 12.1 | 53.9 | |
| 9.5 | | 34.9 | 32.9 | a |
| 9.5 | | 35.7 | 39.5 | |
| 9.2 | 55 | 15.8 | 45.1 | |
| 8.8 | | 23.5 | 33.6 | |
| 8.8 | | 34.3 | 47.4 | K |
| 9.5 | | 38.2 | 58.5 | |
| 8.8 | 56 | 6.4 | 20.5 | K |
| 7.3 | | 17.8 | 50.6 | K |
| 9.5 | | 25.5 | 24.6 | |
| 9.2 | | 44.3 | 47.5 | |
| 9.1 | | 48.0 | 33.8 | B |
| 9.5 | | 57.3 | 7.0 | |
| 9.0 | 57 | 6.4 | 23.5 | B |
| 9.0 | | 8.8 | 19.5 | |
| 9.5 | | 18.0 | 57.5 | |
| 9.5 | | 32.4 | 25.5 | |
| 7.0 | | 39.3 | 3.3 | K |
| 9.5 | | 50.4 | 54.7 | |
| 9.0 | 58 | 5.5 | 42.7 | K |
| 9.3 | | 10.9 | 49.5 | B |
| 9.0 | | 21.2 | 24.3 | |
| 9.0 | | 21.8 | 33.8 | |
| 8.8 | | 23.2 | 1.2 | |
| 8.5 | | 32.1 | 16.6 | |
| 8.4 | | 35.5 | 17.8 | B |
| 9.5 | | 39.8 | 58.4 | |
| 8.0 | | 48.0 | 43.2 | K |
| 7.8 | 59 | 18.9 | 19.4 | L |
| 8.8 | | 34.9 | 33.2 | |
| 9.0 | | 39.0 | 42.3 | |
| 8.8 | | 40.2 | 3.3 | |
| 9.3 | | 51.2 | 48.5 | |
| | | + | + | |
| 10pr. | | 38.29 | 1.74 | |

801—860

| | 4ʰ | +33° | | |
|---|---|---|---|---|
| m | | ′ | | |
| 8.5 | 0 | 8.9 | 22.8 | K |
| 8.0 | | 24.0 | 36.7 | L |
| 9.2 | | 57.2 | 26.4 | K |
| 9.5 | 1 | 6.1 | 58.1 | B |
| 9.4 | | 15.2 | 52.0 | |
| 9.4 | | 26.9 | 1.6 | |
| 6.2 | | 41.8 | 12.3 | K |
| 9.3 | 2 | 30.3 | 40.6 | |
| 9.5 | | 36.9 | 9.5 | |
| 9.4 | 3 | 14.3 | 34.3 | |
| 7.8 | | 41.5 | 20.5 | L |
| 9.5 | | 51.2 | 35.6 | |
| 8.3 | | 51.7 | 27.0 | L |
| 8.8 | 4 | 2.0 | 3.9 | |
| 9.5 | | 19.6 | 2.4 | |
| 8.3 | | 25.3 | 51.8 | K |
| 9.5 | | 39.3 | 7.0 | |
| 9.3 | | 48.7 | 59.2 | |
| 9.4 | 5 | 8.2 | 36.8 | B |
| 9.5 | | 12.0 | 20.1 | |
| 9.5 | 6 | 4.5 | 10.4 | |
| 9.1 | | 13.5 | 7.2 | *b* |
| 9.4 | | 46.1 | 28.7 | B |
| 9.4 | | 54.0 | 24.5 | |
| 9.0 | 7 | 36.5 | 55.9 | |
| 9.3 | 8 | 16.6 | 5.0 | |
| 8.4 | | 20.1 | 40.2 | K |
| 9.5 | | 34.3 | 52.5 | |
| 7.8 | | 57.9 | 29.8 | K |
| 9.3 | 9 | 11.9 | 19.8 | |
| 8.8 | | 21.3 | 0.5 | |
| 9.5 | | 38.0 | 35.1 | |
| 9.5 | | 47.9 | 36.5 | |
| 8.3 | | 53.6 | 0.0 | K |
| 9.5 | 10 | 11.7 | 21.5 | |
| *9.0 | | *14.8* | *53.1* | |
| *8.8 | | 18.5 | 57.6 | |
| 9.5 | | 55.4 | 35.1 | |
| 9.2 | 11 | 20.0 | 14.6 | |
| 7.8 | | 40.9 | 1.1 | K |
| 9.4 | | 56.3 | 40.2 | |
| 9.2 | 12 | 18.2 | 33.7 | B*b* |
| 9.5 | | 19.8 | 0.9 | |
| 9.5 | | 41.2 | 48.2 | |
| 9.5 | 13 | 0.9 | 11.4 | |
| 9.5 | | 4.2 | 44.8 | |
| 9.5 | | 11.3 | 9.0 | |
| 9.5 | | 49.9 | 3.5 | |
| 9.5 | 14 | 1.8 | 34.0 | |
| 8.0 | | 36.9 | 30.9 | K |
| 6.9 | 15 | 1.3 | 58.0 | S |
| 9.5 | | 2.7 | 5.4 | |
| 6.0 | | 6.4 | 47.6 | L*b* |
| 6.0 | | 14.8 | 38.6 | L |
| 9.3 | | 22.3 | 32.2 | |
| 8.4 | | 29.9 | 14.0 | K |
| 9.5 | 16 | 34.0 | 9.7 | |
| 9.5 | | 43.1 | 51.5 | |
| 9.5 | 17 | 9.0 | 5.9 | |
| 8.8 | | 34.4 | 37.2 | K*b* |
| 10pr. | | *38.56* | *1.55* | |

861—920

| | 4ʰ | +33° | | |
|---|---|---|---|---|
| m | | ′ | | |
| 9.4 | 17 | 40.4 | 20.7 | |
| 9.4 | 18 | 6.7 | 18.0 | |
| 9.3 | | 37.3 | 16.1 | B |
| 9.0 | | 41.1 | 10.7 | |
| 9.3 | | 51.6 | 18.2 | |
| 9.5 | 19 | 2.2 | 6.8 | |
| 7.7 | | 8.1 | 52.6 | K |
| 9.4 | 20 | 43.7 | 4.4 | |
| 9.5 | 21 | 11.0 | 10.5 | |
| 9.4 | | 14.8 | 13.6 | |
| 8.5 | | 18.5 | 42.0 | *b* |
| 9.4 | | 24.8 | 5.3 | a*B* |
| 9.3 | | 38.0 | 19.1 | a*B* |
| 9.4 | 22 | 55.5 | 3.5 | |
| 9.3 | | 55.6 | 31.3 | |
| 8.4 | 23 | 32.9 | 6.3 | |
| 9.3 | | 54.1 | 56.3 | |
| 9.0 | 24 | 7.7 | 12.5 | |
| 9.5 | | 34.2 | 9.0 | |
| 8.0 | | 36.9 | 27.9 | K |
| 9.0 | 25 | 2.2 | 57.8 | |
| 9.5 | | 54.5 | 8.2 | |
| 8.4 | 26 | 49.3 | 37.5 | |
| 8.4 | | 55.1 | 54.5 | K |
| 9.4 | 27 | 42.3 | 35.1 | |
| 9.5 | 29 | 43.9 | 44.5 | |
| 9.2 | 30 | 2.4 | 49.8 | *b* |
| 9.3 | 31 | 19.8 | 56.5 | |
| 8.9 | | 41.4 | 27.9 | |
| 8.8 | | 55.9 | 13.6 | |
| 8.2 | 32 | 59.5 | 41.3 | K |
| 7.3 | 33 | 37.6 | 39.6 | K |
| 8.5 | | 45.6 | 2.5 | K |
| 9.5 | 34 | 18.3 | 3.0 | |
| 8.3 | | 56.4 | 52.8 | |
| 9.0 | 35 | 4.8 | 14.8 | B |
| 9.1 | | 15.9 | 56.4 | |
| 9.5 | 38 | 53.1 | 31.7 | |
| 9.5 | | 54.5 | 11.0 | |
| 9.4 | 39 | 23.1 | 8.7 | B |
| 7.5 | | 23.9 | 43.7 | K |
| 9.5 | | 52.9 | 52.1 | |
| *9.5 | 40 | 20.4 | 52.7 | |
| *9.5 | | 41.6 | 3.2 | |
| 9.4 | | 42.8 | 9.1 | |
| 9.4 | 41 | 47.6 | 34.0 | B |
| 7.7 | | 48.0 | 51.2 | K |
| 9.4 | 42 | 5.9 | 32.5 | K |
| 8.8 | | 26.6 | 24.1 | K |
| 9.3 | 43 | 38.8 | 28.6 | |
| 9.4 | | 54.6 | 41.5 | |
| 9.4 | 44 | 12.7 | 30.7 | |
| 9.5 | | 20.3 | 11.2 | |
| 9.5 | | 38.3 | 9.5 | |
| 9.4 | 45 | 11.4 | 3.1 | |
| 9.5 | | 20.6 | 15.1 | |
| 9.5 | | 25.0 | 41.3 | |
| 9.4 | | 26.6 | 55.4 | |
| 9.5 | | 28.8 | 30.8 | |
| 9.5 | | 33.5 | 43.3 | |
| 10pr. | | *38.93* | *1.25* | |

921—980

| | 4ʰ—5ʰ | +33° | | |
|---|---|---|---|---|
| m | | ′ | | |
| 9.0 | 45 | 39.1 | 11.6 | |
| 9.3 | | 52.4 | 41.2 | |
| 9.5 | 46 | 46.3 | 6.0 | |
| 9.4 | 47 | 9.6 | 12.4 | |
| 9.5 | | 11.0 | 24.3 | |
| 8.0 | | 21.3 | 45.2 | K |
| 9.3 | | 26.0 | 2.8 | |
| 9.4 | | 26.4 | 45.5 | |
| 8.8 | | 37.3 | 58.7 | |
| 9.5 | | 59.0 | 37.9 | |
| 9.5 | 48 | 14.2 | 26.2 | |
| 9.0 | | 15.0 | 5.9 | K |
| 9.0 | 49 | 15.9 | 12.0 | |
| 9.5 | | 25.8 | 43.9 | |
| 9.2 | | 31.4 | 38.8 | K*b* |
| 9.1 | 50 | 4.4 | 14.2 | |
| 9.3 | | 6.1 | 55.5 | |
| 9.0 | | 55.0 | 31.0 | K |
| 9.5 | 51 | 8.7 | 29.3 | |
| 9.0 | | 38.6 | 23.1 | K |
| 9.5 | 52 | 15.4 | 58.0 | |
| 9.4 | | 46.6 | 23.6 | |
| 9.3 | | 57.5 | 54.0 | *b* |
| 9.5 | 53 | 22.1 | 9.5 | |
| 9.3 | 54 | 13.2 | 23.6 | |
| 9.3 | | 26.4 | 40.7 | |
| 9.2 | | 27.7 | 36.1 | |
| 8.5 | | 41.5 | 3.1 | B*b* |
| 8.5 | | 48.0 | 24.0 | |
| 9.4 | | 55.8 | 20.1 | |
| 9.2 | | 58.6 | 48.2 | |
| 9.5 | 56 | 34.6 | 27.5 | |
| 7.0 | | 37.0 | 42.8 | K |
| 9.5 | 57 | 4.0 | 5.5 | |
| 9.5 | | 9.0 | 42.5 | |
| 8.3 | | 31.8 | 12.9 | K |
| 9.0 | 58 | 11.2 | 24.0 | K |
| 9.4 | | 40.1 | 55.8 | |
| 9.5 | 59 | 8.3 | 31.0 | |
| 9.0 | | 21.7 | 54.6 | |
| 8.5 | | 40.4 | 3.5 | K |
| 9.4 | | 41.9 | 21.0 | |
| 9.2 | 0 | 12.7 | 7.2 | |
| 8.5 | | 26.6 | 0.5 | K |
| 9.5 | | 41.4 | 56.5 | |
| 9.2 | 1 | 18.0 | 9.6 | |
| 9.5 | | 45.4 | 26.9 | |
| 9.5 | | 46.8 | 24.7 | |
| 9.5 | | 52.0 | 0.1 | |
| 9.3 | | 54.6 | 55.1 | |
| 9.4 | 2 | 21.3 | 42.8 | |
| 9.1 | | 25.8 | 36.1 | K*b* |
| 8.4 | 3 | 10.5 | 54.4 | K |
| 9.5 | | 15.4 | 29.4 | |
| 9.5 | | 21.9 | 21.6 | |
| 9.2 | | 31.5 | 4.0 | a*B* |
| 8.1 | | 41.8 | 8.4 | K |
| 9.0 | 4 | 3.8 | 5.7 | |
| 9.1 | | 13.9 | 12.4 | |
| 9.5 | | 25.7 | 22.7 | |
| 10pr. | | *39.21* | *0.94* | |

981—1040

| | 5ʰ | +33° | | |
|---|---|---|---|---|
| m | | ′ | | |
| 8.8 | 5 | 1.8 | 10.3 | K |
| 9.2 | | 29.8 | 10.1 | |
| 8.9 | | 46.8 | 13.8 | K |
| 9.5 | | 55.1 | 29.6 | |
| 9.5 | | 55.4 | 4.8 | |
| 9.5 | 6 | 33.7 | 26.1 | |
| 9.5 | | 35.0 | 33.5 | |
| 9.5 | | 53.8 | 40.9 | |
| 8.6 | 7 | 15.8 | 34.5 | K |
| 9.5 | | 29.9 | 17.2 | |
| 7.6 | | 36.2 | 9.8 | K |
| 9.5 | | 42.9 | 31.5 | |
| 9.2 | | 56.4 | 18.7 | |
| 8.0 | 8 | 2.1 | 2.5 | L |
| 8.2 | | 5.5 | 25.4 | K |
| 9.2 | | 6.4 | 8.6 | |
| 9.5 | | 11.3 | 53.1 | |
| 9.4 | | 35.2 | 52.0 | |
| 9.0 | | 38.8 | 26.2 | |
| 5.1 | | 39.8 | 13.1 | K*b* |
| 8.9 | | 44.1 | 17.1 | K |
| 6.5 | | 46.9 | 36.4 | K |
| 8.2 | 9 | 1.6 | 0.3 | K |
| 9.5 | | 4.9 | 43.3 | |
| 8.0 | | 10.5 | 22.1 | K |
| 8.3 | | 20.8 | 48.5 | |
| 9.2 | | 22.5 | 52.9 | |
| 6.2 | | 27.6 | 35.4 | K |
| 9.3 | | 33.7 | 46.5 | |
| 7.2 | | 49.8 | 49.7 | L |
| 9.4 | 10 | 2.2 | 58.3 | |
| 9.4 | | 5.5 | 6.4 | |
| 5.9 | | 28.7 | 48.1 | K*b* |
| 9.1 | | 45.6 | 3.5 | |
| 8.9 | 11 | 17.9 | 19.2 | |
| 9.4 | | 30.8 | 49.8 | |
| 8.7 | | 50.6 | 13.5 | |
| 9.2 | 12 | 24.8 | 13.5 | K |
| 9.4 | | 29.7 | 32.9 | |
| 8.8 | | 45.5 | 38.8 | S |
| 9.3 | | 47.5 | 37.9 | |
| 9.4 | | 55.0 | 42.5 | |
| 9.2 | | 57.4 | 22.0 | |
| 9.1 | 13 | 9.7 | 10.2 | K |
| 9.4 | | 11.7 | 17.6 | |
| 9.3 | | 15.3 | 16.1 | |
| 9.1 | | 28.9 | 57.9 | |
| 9.0 | | 50.8 | 20.2 | K*b* |
| 9.5 | 14 | 4.8 | 22.9 | |
| 9.5 | | 8.1 | 33.0 | |
| 9.5 | | 42.1 | 57.1 | |
| 8.7 | 15 | 8.4 | 30.4 | K |
| 8.8 | | 16.8 | 12.4 | |
| 9.0 | | 30.6 | 53.4 | K |
| 9.3 | | 31.4 | 10.6 | |
| 9.5 | | 39.9 | 33.8 | |
| 9.5 | | 59.7 | 6.6 | |
| 9.1 | 16 | 2.5 | 14.0 | |
| 9.5 | | 31.6 | 58.5 | |
| 8.9 | | 38.6 | 1.1 | |
| 10pr. | | *39.36* | *0.72* | |

1041—1100

| | 5ʰ | +33° | | |
|---|---|---|---|---|
| m | | ′ | | |
| 8.9 | 16 | 45.0 | 44.7 | |
| 8.8 | 17 | 5.9 | 40.5 | |
| 9.5 | | 10.1 | 58.0 | |
| 9.2 | | 14.6 | 33.0 | B |
| 6.5 | | 20.2 | 7.6 | K |
| 9.5 | | 34.1 | 38.2 | |
| 9.4 | | 38.9 | 34.0 | |
| 9.5 | | 48.3 | 58.3 | |
| *7.1 | 18 | 12.2 | 49.0 | B |
| 9.5 | | 14.8 | 46.0 | |
| 9.5 | | 18.1 | 53.3 | |
| 8.7 | | 18.9 | 20.8 | |
| 6.8 | | 26.9 | 38.3 | L |
| 9.5 | | 30.0 | 9.0 | |
| 9.2 | | 33.2 | 39.0 | a*B* |
| 9.5 | | 40.0 | 11.7 | |
| 9.4 | | 50.9 | 59.7 | |
| 9.3 | 19 | 7.3 | 49.2 | |
| 9.3 | | 11.8 | 29.4 | |
| 9.5 | | 25.2 | 16.8 | |
| 9.5 | | 45.8 | 4.7 | |
| 8.8 | 20 | 3.5 | 10.1 | K |
| 9.0 | | 6.5 | 21.0 | |
| 8.9 | | 7.5 | 19.8 | B |
| 7.7 | | 13.5 | 13.2 | L |
| 9.3 | | 16.1 | 55.3 | |
| 9.5 | | 22.8 | 47.6 | |
| 9.0 | | 41.2 | 25.1 | |
| 9.5 | | 41.8 | 16.0 | |
| 9.4 | | 46.1 | 47.1 | |
| 8.6 | 21 | 39.8 | 9.8 | K |
| 9.5 | | 44.4 | 35.5 | |
| 9.4 | 22 | 12.0 | 32.0 | |
| 9.5 | | 45.2 | 6.3 | |
| 9.1 | | 51.3 | 17.6 | a |
| 9.1 | | 52.3 | 47.1 | b |
| 9.3 | | 56.8 | 38.5 | |
| 9.5 | 23 | 3.7 | 2.4 | |
| 9.5 | | 24.5 | 47.7 | |
| 9.5 | | 26.6 | 58.5 | |
| 8.3 | | 35.8 | 19.9 | |
| 9.4 | 24 | 1.4 | 36.5 | |
| 8.3 | | 25.8 | 18.1 | L |
| 9.3 | | 30.1 | 51.3 | |
| 9.5 | | 42.2 | 53.5 | |
| 9.5 | | 51.9 | 24.8 | |
| 8.5 | 25 | 39.0 | 51.3 | |
| 9.4 | | 40.1 | 3.6 | |
| 9.0 | | 43.6 | 28.3 | K |
| 9.4 | | 44.0 | 30.9 | |
| 9.5 | | 45.2 | 25.4 | |
| 9.5 | | 53.6 | 49.5 | |
| 9.5 | 26 | 1.9 | 21.8 | |
| 9.0 | | 9.0 | 53.2 | |
| 9.5 | | 11.1 | 57.3 | |
| 9.5 | | 28.2 | 57.7 | |
| 9.5 | | 38.6 | 10.6 | |
| 9.0 | 27 | 3.3 | 57.7 | K |
| 9.2 | | 14.6 | 49.0 | K |
| 9.1 | | 33.7 | 9.5 | K |
| 10pr. | | *39.45* | *0.56* | |

836 *a*

| | | | | |
|---|---|---|---|---|
| *8.8* | *10* | *17.8* | *50.5* | *a* |

903 *a*

| | | | | |
|---|---|---|---|---|
| *9.5* | *40* | *22.7* | *20.9* | |

1048 *a*

| | | | | |
|---|---|---|---|---|
| *9.3* | *18* | *11.1* | *39.0* | *B* |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5m | | +33° | | | 5m | | +33° | | | 5m—6m | | +33° | | | 6m | | +33° | | | 6m | | +33° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 27 | 42.0 | 18.9 | B | 9.2 | 39 | 43.3 | 46.3 | | 9.3 | 53 | 45.0 | 27.4 | | 9.0 | 5 | 13.8 | 48.6 | K | 9.2 | 22 | 14.4 | 15.6 | K |
| 6.8 | 28 | 12.6 | 27.8 | L | 9.5 | | 48.5 | 44.7 | | 9.5 | | 45.6 | 7.6 | | 8.5 | | 35.7 | 52.3 | K | 8.9 | | 17.4 | 40.8 | K |
| 8.3 | | 15.4 | 52.1 | | 9.5 | | 53.6 | 35.0 | | 9.5 | | 57.8 | 34.1 | | 9.4 | | 50.8 | 8.8 | | 8.9 | | 41.8 | 47.0 | K |
| 9.0 | | 47.6 | 25.8 | | 9.5 | 40 | 16.9 | 24.2 | | 9.3 | | 59.3 | 13.7 | B | 9.5 | | 57.9 | 19.9 | | 9.5 | | 45.2 | 53.7 | |
| 9.4 | | 52.8 | 49.3 | | 9.2 | | 39.6 | 5.4 | | 8.0 | | 59.5 | 51.5 | Lb | 9.4 | 6 | 19.3 | 34.5 | B | 8.5 | 23 | 0.8 | 36.4 | |
| 9.3 | 29 | 0.4 | 11.2 | | 9.5 | 41 | 14.8 | 9.3 | | 9.5 | 54 | 2.5 | 9.8 | | 7.5 | | 29.3 | 13.7 | | 9.2 | | 4.0 | 58.9 | B |
| 9.5 | | 24.0 | 19.2 | | 9.4 | | 37.2 | 32.5 | B | 9.5 | | 5.1 | 0.8 | | 8.1 | | 29.9 | 57.7 | K | 9.3 | | 7.8 | 53.7 | |
| 9.3 | | 25.5 | 31.5 | | 9.5 | | 47.0 | 48.4 | | 9.5 | | 26.0 | 33.3 | B | 9.1 | | 40.0 | 43.3 | | 8.5 | | 8.3 | 45.5 | K |
| 9.5 | | 50.8 | 8.8 | | 9.3 | | 51.5 | 2.8 | | 9.0 | | 29.2 | 44.5 | | 9.5 | 7 | 34.8 | 21.3 | B | 9.4 | | 24.2 | 44.8 | |
| 9.0 | | 53.4 | 29.8 | | 9.4 | | 56.9 | 8.1 | | 8.9 | | 55.8 | 37.6 | | 9.1 | | 42.2 | 15.1 | | 9.4 | | 28.7 | 11.7 | a |
| 9.3 | | 54.2 | 44.4 | | 8.8 | 42 | 10.9 | 18.7 | | 9.5 | 55 | 1.0 | 58.6 | | 9.3 | 8 | 40.8 | 40.8 | | 9.3 | | 42.8 | 9.2 | R |
| 9.5 | 30 | 0.5 | 54.3 | | 8.6 | | 12.1 | 34.0 | | 9.5 | | 5.5 | 11.2 | | 8.8 | | 46.8 | 12.6 | K | 9.3 | | 49.1 | 0.1 | R |
| 8.9 | | .2.6 | 31.5 | | 9.3 | | 20.5 | 14.7 | | 9.5 | | 15.4 | 56.5 | | 9.3 | | 49.0 | 57.7 | | 9.3 | | 50.6 | 2.7 | aR |
| 9.5 | | 23.9 | 46.5 | | 9.1 | | 26.4 | 30.3 | | 9.2 | | 35.7 | 49.7 | | 8.5 | 9 | 11.8 | 31.7 | K | 8.8 | | 51.5 | 26.5 | |
| 9.4 | | 36.3 | 10.0 | | 8.8 | | 27.8 | 39.4 | | 8.3 | | 48.8 | 44.0 | K | 9.5 | | 27.8 | 44.5 | | 9.2 | | 56.9 | 45.7 | a |
| 9.5 | | 45.0 | 13.9 | | 9.5 | | 40.5 | 56.5 | | 6.3 | | 59.7 | 35.8 | K | 9.5 | | 28.6 | 46.5 | | 6.5 | 24 | 12.8 | 7.9 | K |
| 8.6 | | 53.8 | 25.5 | | 9.5 | | 43.3 | 22.6 | | 9.4 | 56 | 3.8 | 21.2 | B | 7.8 | | 32.8 | 50.7 | K | 8.2 | | 28.7 | 37.5 | K |
| 9.4 | 31 | 0.6 | 6.0 | | 9.0 | 43 | 0.6 | 48.5 | | 9.4 | | 22.3 | 30.1 | | 9.4 | | 40.4 | 25 0 | | 9.3 | | 41.9 | 16.6 | R |
| 9.1 | | 24.5 | 52.4 | | 6.5 | | 3.5 | 52.5 | L | 9.5 | | 28.2 | 45.7 | | 9.2 | | 43.5 | 34.6 | | 9.5 | | 48.8 | 35.0 | |
| 7.9 | | 40.1 | 50.0 | L | 9.4 | | 30.8 | 6.8 | | 8.3 | | 29.8 | 15.3 | K | 9.5 | 10 | 46.9 | 21.0 | | 9.0 | 25 | 2.3 | 31.5 | |
| 9.4 | 32 | 8.4 | 54.3 | B | 8.6 | 44 | 5.5 | 41.9 | | 9.4 | | 36.2 | 46.2 | | 9.3 | | 55.8 | 15.3 | | 8.8 | | 17.7 | 26.7 | R |
| 9.2 | | 33.7 | 53.4 | | 9.4 | | 9.5 | 0.9 | | 9.4 | 57 | 4.5 | 33.3 | | 9.4 | 11 | 6.5 | 55.6 | | 9.5 | | 36.2 | 53.8 | |
| 9.2 | | 36.1 | 51.8 | | 9.4 | | 10.8 | 34.7 | | 9.2 | | 5.9 | 49.4 | Bb | 9.2 | | 35.8 | 21.5 | b | 9.2 | | 52.8 | 44.3 | K |
| 9.2 | 33 | 7.9 | 53.3 | | 9.5 | | 13.6 | 14.7 | | 8.2 | | 32.8 | 3.7 | L | 9.3 | | 39.6 | 51.9 | | 9.4 | | 57.9 | 6.9 | B |
| 9.4 | | 8.8 | 39.8 | B | 9.1 | | 29.0 | 59.5 | b | 9.2 | | 52.7 | 47.9 | | 9.4 | | 55.9 | 19.8 | | 9.5 | | 58.4 | 6.5 | |
| 8.8 | | 16.7 | 17.7 | L | 9.5 | | 38.9 | 4.4 | | 9.4 | 58 | 36.8 | 6.1 | | 9.2 | | 57.7 | 2.5 | | 9.5 | 26 | 22.4 | 43.6 | |
| 7.1 | | 25.6 | 14.2 | K | 9.5 | | 44.2 | 29.5 | | 9.5 | | 50.8 | 40.7 | | 9.5 | 12 | 15.6 | 8.8 | | 8.8 | | 58.5 | 0.9 | |
| 9.3 | | 44.5 | 21.4 | B | 9.3 | | 45.8 | 7.5 | | 9.5 | | 51.8 | 18.0 | | 9.5 | | 33.8 | 7.9 | | 7.9 | 27 | 4.7 | 29.9 | L |
| 8.6 | | 47.6 | 29.5 | R | 8.8 | 45 | 16.0 | 2.7 | K | 9.5 | | 55.0 | 32.6 | | 8.9 | | 42.0 | 35.1 | | 9.4 | | 8.0 | 56.8 | |
| 9.4 | | 51.6 | 24.0 | | 9.4 | | 16.7 | 28.3 | | 9.5 | 59 | 23.6 | 33.4 | | 9.3 | | 59.7 | 12.1 | | 8.6 | | 28.8 | 45.5 | L |
| 9.3 | | 56.4 | 12.2 | | 9.5 | 46 | 4.4 | 13.3 | B | 9.4 | | 28.0 | 51.1 | | 9.5 | 13 | 8.6 | 2.2 | B | 9.4 | | 37.9 | 47.7 | B |
| 9.5 | 34 | 25.4 | 59.0 | | 9.2 | | 40.6 | 14.0 | | 9.4 | | 40.9 | 32.7 | | 9.4 | | 29.0 | 0.5 | | 9.5 | | 38.0 | 30.9 | |
| 9.5 | | 39.9 | 51.6 | | 8.0 | | 51.3 | 11.0 | L | 9.5 | | 42.0 | 22.4 | | 9.2 | | 39.6 | 2.3 | aBb | 9.1 | 28 | 16.8 | 4.5 | K |
| 7.7 | | 40.5 | 1.6 | K | 9.5 | 47 | 32.7 | 49.3 | | 9.1 | | 42.7 | 45.5 | | 9.5 | 14 | 10.8 | 45.9 | | 9.3 | 29 | 11.6 | 24.8 | B |
| 9.1 | | 43.6 | 53.2 | K | 9.4 | | 34.5 | 3.4 | | 9.4 | | 49.3 | 19.4 | B | 9.2 | 15 | 24.8 | 27.6 | | 8.7 | | 18.8 | 22.7 | L |
| 9.1 | | 43.8 | 56.4 | K | 9.3 | | 36.3 | 40.7 | | 9.5 | 0 | 13.8 | 5.0 | | 9.5 | | 35.7 | 11.1 | | 8.4 | | 22.7 | 20.0 | L |
| 7.5 | 35 | 18.4 | 38.9 | R | 8.3 | | 53.1 | 6.0 | K | 9.0 | | 14.8 | 7.0 | K | 9.3 | | 49.5 | 58.1 | | 7.4 | | 23 3 | 9.4 | K |
| 8.7 | | 20.5 | 27.3 | | 9.4 | | 55.6 | 51.0 | | 9.1 | | 16.8 | 6.3 | | 8.4 | 16 | 1.8 | 19.0 | L | 9.3 | | 30.1 | 6.5 | |
| 7.0 | | 32.5 | 33.2 | R | 7.2 | 48 | 7.5 | 13.9 | K | 9.4 | | 23.2 | 53.7 | | 9.5 | | 9.4 | 7.8 | | 9.3 | | 40.8 | 28.4 | |
| 9.2 | | 41.4 | 39.4 | | 9.3 | | 16.2 | 47.7 | | 8.8 | | 42.0 | 18.3 | | 8.5 | | 39.8 | 12.0 | K | 9.4 | 30 | 16.3 | 1.4 | |
| 9.4 | | 44.0 | 48.3 | | 9.0 | | 24.3 | 59.8 | | 9.5 | | 44.1 | 38.1 | | 9.5 | 17 | 10.6 | 7.8 | | 9.3 | | 34.3 | 50.2 | B |
| 9.5 | 36 | 13.5 | 1.4 | | 9.4 | | 24.6 | 1.4 | | 8.6 | 1 | 3.0 | 12.9 | K | 9.1 | | 38.7 | 35.5 | | 9.0 | 31 | 3.8 | 2.5 | |
| 9.4 | | 20.2 | 8.3 | | 9.5 | 49 | 5.7 | 48.0 | | 8.9 | | 3.8 | 27.5 | | 8.7 | 18 | 9.8 | 12.3 | K | 7.4 | | 17.7 | 9.9 | K |
| 9.3 | | 21.1 | 38.7 | | 9.5 | | 21.6 | 17.7 | | 8.9 | | 14.3 | 38.8 | | 9.5 | | 14.6 | 40.8 | | 8.4 | 32 | 1.7 | 59.2 | K |
| 9.1 | | 54.0 | 52.3 | b | 9.4 | | 30.5 | 51.0 | | 8.2 | | 15.0 | 1.1 | K | 9.0 | | 28.7 | 29.1 | | 9.5 | | 21.8 | 22.5 | |
| 8.9 | 37 | 5.4 | 4.3 | K | 9.4 | | 54.1 | 8.3 | | 9.1 | | 19.9 | 12.2 | | 8.5 | | 30.6 | 2.4 | K | 9.0 | 33 | 17.5 | 1.4 | |
| 9.4 | | 13.9 | 16.0 | | 9.4 | 50 | 9.7 | 28.8 | | 9.4 | | 25.9 | 3.6 | aB | 8.6 | | 34.8 | 4.2 | K | 9.5 | | 20.9 | 55.3 | |
| 9.3 | | 27.5 | 37.6 | | 9.1 | | 32.8 | 53.5 | | 9.4 | | 26.9 | 4.1 | | 8.9 | | 40.8 | 49.2 | K | 9.3 | | 21.3 | 29.4 | |
| 9.1 | | 52.0 | 55.1 | | 6.9 | | 42.7 | 7.3 | K | 9.5 | | 50.0 | 9.7 | | 8.5 | | 52.8 | 14.4 | K | 9.2 | | 56.7 | 27.2 | |
| 9.4 | 38 | 27.1 | 27.5 | | 9.5 | | 48.9 | 34.5 | | 8.6 | | 56.3 | 55.6 | B | 8.7 | 19 | 3.0 | 25.2 | R | 9.3 | 34 | 14.9 | 11.4 | |
| 9.5 | | 29.5 | 22.6 | | 9.5 | 51 | 5.2 | 50.5 | | 9.0 | 2 | 14.8 | 4.2 | | 9.5 | | 31.6 | 7.9 | | 9.1 | | 17.2 | 12.8 | B |
| 8.5 | | 41.6 | 13.7 | | 9.5 | | 25.4 | 58.0 | | 9.5 | | 52.7 | 23.5 | | 8.1 | | 35.8 | 25.2 | R | 9.5 | | 31.3 | 8.6 | |
| 9.4 | | 46.3 | 46.3 | | 9.4 | | 45.4 | 12.3 | | 9.5 | | 53.6 | 13.6 | | 9.0 | 20 | 14.6 | 14.0 | R | 9.5 | | 34.5 | 42.9 | |
| 9.5 | | 46.9 | 31.2 | | 9.0 | 52 | 4.8 | 45.2 | K | 8.0 | 3 | 8.3 | 0.0 | K | 9.3 | | 20.8 | 2.4 | | 8.6 | | 35.7 | 6.1 | K |
| 9.5 | | 57.8 | 24.5 | | 9.2 | | 10.8 | 46.7 | | 8.6 | | 47.0 | 11.9 | K | 9.4 | | 35.3 | 12.1 | aB | 8.2 | | 40.3 | 57.5 | B |
| 9.5 | 39 | 23.7 | 50.9 | | 9.5 | | 19.6 | 33.1 | | 9.5 | | 54.7 | 13.0 | | 9.4 | 21 | 1.3 | 13.6 | | 9.4 | 35 | 31.4 | 33.3 | |
| 8.8 | | 25.6 | 12.5 | | 8.8 | | 27.9 | 15.6 | L | 9.5 | | 57.1 | 13.5 | | 7.8 | | 37.9 | 50.9 | B | 9.3 | | 57.5 | 21.7 | |
| 9.4 | | 30.8 | 47.0 | | 9.4 | | 44.1 | 14.9 | | 9.4 | 4 | 5.6 | 13.2 | B | 9.4 | | 41.7 | 7.4 | | 8.8 | | 58.3 | 6.2 | K |
| 9.3 | | 33.3 | 55.2 | | 9.2 | | 57.8 | 24.3 | | *7.5 | | 14.7 | 40.0 | K | 9.5 | | 44.7 | 59.4 | B | 9.2 | | 59.8 | 9.7 | |
| 9.5 | | 40.9 | 19.0 | | 9.5 | 53 | 16.5 | 15.6 | | 6.7 | | 28.8 | 16.5 | K | 8.7 | | 47.8 | 12.9 | K | 9.4 | 36 | 18.5 | 44.0 | B |
| 10pr. | | 39.52 | 0.38 | | 10pr. | | 39.55 | 0.21 | | 10pr. | | 39.57 | 0.01 | | 10pr. | | 39.55 | 0.19 | | 10pr. | | 39.51 | 0.40 | |

1279 a
9.6 | 4 15.8 | 27.7 | B

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵃ | | +33° | | | 6ᵃ—7ᵃ | | +33° | | | 7ᵃ | | +33° | | | 7ᵃ | | +33° | | | 7ᵃ—8ᵃ | | +33° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 7.8 | 36′ | 30.8 | 10.3 | K | 9.0 | 54′ | 12.9 | 41.8 | K | 9.4 | 15′ | 15.2 | 12.0 | B | 8.9 | 37′ | 24.1 | 8.2 | | 8.9 | 57′ | 32.9 | 27.6 | |
| 9.1 | | 33.7 | 32.1 | | 9.5 | | 20.9 | 15.4 | | 9.1 | | 32.1 | 44.3 | K | 9.0 | | 49.8 | 6.2 | | 8.5 | | 42.0 | 42.6 | K |
| 9.3 | | 42.8 | 20.3 | | 9.5 | | 58.5 | 12.2 | | 8.4 | | 33.5 | 58.8 | L | 7.5 | | 55.7 | 22.3 | K | 9.4 | | 55.2 | 23.7 | aB |
| 9.2 | | 43.6 | 45.9 | B | 8.9 | 55 | 33.1 | 59.2 | K | 9.1 | 16 | 17.3 | 7.1 | B | 8.0 | 38 | 1.5 | 55.8 | K | 7.8 | 58 | 1.5 | 40.3 | Kb |
| 9.5 | | 55.8 | 54.8 | | 9.5 | | 37.0 | 12.8 | | 8.8 | | 21.6 | 50.9 | K | 5.3 | | 8.6 | 46.2 | K | 9.3 | | 6.8 | 23.2 | |
| 9.5 | 37 | 34.1 | 0.7 | | 9.0 | | 43.4 | 6.9 | K | 7.5 | | 33.5 | 9.0 | L | 9.5 | | 37.6 | 23.4 | | 9.5 | 59 | 42.5 | 14.2 | |
| 8.3 | | 38.5 | 56.0 | L | 8.4 | | 46.4 | 56.2 | B | 8.7 | | 40.9 | 43.6 | K | 7.3 | | 48.1 | 11.7 | K | 7.5 | 0 | 27.8 | 48.0 | K |
| 9.3 | | 56.1 | 55.8 | B | 7.9 | 56 | 27.9 | 57.3 | B | 9.3 | | 40.9 | 29.6 | | 9.4 | | 55.9 | 2.5 | B | 9.5 | | 34.1 | 2.7 | |
| 9.3 | | 56.2 | 9.9 | | 9.1 | | 41.6 | 54.0 | | 9.4 | 17 | 0.1 | 40.8 | | 8.0 | 39 | 3.7 | 37.1 | L | 9.5 | | 53.8 | 48.2 | |
| 8.5 | | 58.2 | 14.7 | Kb | 9.3 | | 58.1 | 33.0 | | 9.4 | 18 | 3.6 | 36.7 | | 9.5 | | 27.4 | 42.5 | | 9.5 | 1 | 30.9 | 6 7 | |
| 9.4 | 38 | 9.8 | 52.3 | | 9.1 | 57 | 10.1 | 16.4 | | 9.4 | | 30.8 | 22.4 | | 9.4 | | 42.0 | 16.1 | B | 9.5 | | 40.0 | 17.9 | |
| 8.8 | | 36.2 | 12.3 | | 8.0 | | 19.0 | 57.6 | L | 9.5 | | 33.9 | 52.5 | | 9.0 | | 45.6 | 22.7 | B | 8.4 | | 56.5 | 55.7 | K |
| 9.3 | | 42.6 | 25.0 | | 8.1 | | 20.9 | 1.1 | K | 9.1 | 19 | 9.0 | 35.0 | | 9.5 | | 47.3 | 18.1 | | 9.1 | | 56.7 | 20.3 | b |
| 8.1 | | 53.5 | 58.2 | K | 8.0 | 58 | 13.6 | 24.9 | K | 8.5 | | 22.6 | 20.1 | L | 9.4 | | 55.1 | 23.4 | | 9.5 | 3 | 20.9 | 22.5 | |
| 9.0 | 40 | 40.6 | 23.7 | | 9.1 | | 23.1 | 4.1 | K | 9.3 | | 23.8 | 25.1 | B | 8.9 | 40 | 7.4 | 41.9 | K | 9.4 | | 24.0 | 16.3 | |
| 9.3 | 41 | 1.1 | 16.1 | | 9.3 | | 38.8 | 11.8 | | 9.0 | | 24.6 | 1.5 | | 9.3 | | 12.5 | 51.9 | | 8.9 | 4 | 16.4 | 43.7 | |
| 8.2 | 42 | 5.7 | 26.8 | B | 9.2 | | 42.0 | 21.7 | | 9.5 | | 26.8 | 48.5 | | 9.3 | | 53.7 | 33.3 | | 9.1 | | 19.1 | 3.0 | b |
| 9.1 | | 20.2 | 57.0 | | 9.2 | | 43.3 | 3.5 | | 9.2 | | 31.1 | 45.0 | aBb | 9.5 | 41 | 3.3 | 54.3 | | 7.6 | 5 | 1.6 | 59.3 | K |
| 9.4 | | 29.0 | 11.5 | | 8.0 | | 53.8 | 29.8 | K | 8.6 | | 40.2 | 13.9 | L | 9.2 | | 29.5 | 2.0 | | 9.5 | | 10.5 | 31.6 | |
| 9.3 | | 31.1 | 51.1 | | 9.5 | 59 | 55.1 | 53.5 | | 9.0 | 20 | 47.7 | 23.7 | L | 9.2 | | 44.5 | 8.3 | aB | 8.9 | | 26.0 | 37.0 | K |
| 9.0 | | 39.6 | 17.3 | K | 9.3 | 0 | 25.8 | 43.3 | aB | 9.0 | | 57.6 | 0.0 | K | 6.5 | | 44.6 | 36.3 | Kb | 9.5 | | 28.9 | 10.7 | |
| 8.3 | | 41.7 | 57.6 | L | 8.8 | 1 | 18.2 | 34.6 | K | 9.5 | 21 | 7.1 | 23.4 | | 9.5 | | 52.1 | 53.5 | | 9.4 | | 41.2 | 10.7 | B |
| 9.5 | 43 | 5.5 | 4.5 | | 9.4 | | 29.1 | 51.5 | | 8.9 | 22 | 31.6 | 30.3 | | 8.9 | | 52.8 | 19.4 | | 9.2 | | 48.0 | 26.4 | |
| 8.5 | | 24.2 | 51.2 | B | 9.2 | | 52.9 | 3.1 | | 8.5 | | 58.2 | 49.4 | K | 8.8 | 42 | 19.3 | 2.6 | L | 8.5 | | 57.6 | 58.3 | K |
| 9.3 | 44 | 9.6 | 33.2 | B | 9.1 | | 52.9 | 5.3 | aB | 9.5 | 23 | 27.3 | 11.8 | | 9.1 | | 29.5 | 20.3 | B | 9.5 | 6 | 36.5 | 39.3 | |
| 9.1 | | 19.4 | 6.5 | | 7.3 | | 54.6 | 20.8 | K | 9.2 | | 41.1 | 30.6 | | 9.4 | | 29.6 | 25.1 | | 9.4 | | 52.0 | 44.0 | |
| 9.0 | | 32.7 | 51.6 | R | 9.5 | 3 | 8.0 | 50.5 | | 7.8 | | 53.4 | 10.8 | K | 9.3 | | 46.2 | 16.0 | B | 8.9 | 7 | 8.4 | 52.5 | |
| 8.3 | | 45.8 | 10.6 | Kb | 9.5 | | 59.8 | 52.4 | | 9.4 | | 58.7 | 58.6 | | 8.6 | 43 | 18.2 | 4.3 | Lb | 9.3 | | 22.8 | 40.5 | aB |
| 8.9 | 45 | 17.4 | 2.0 | B | 9.4 | 4 | 47.2 | 19.9 | aB | 9.5 | 24 | 53.4 | 12.5 | | 8.4 | | 25.8 | 55.8 | L | 9.5 | 8 | 17.6 | 19.8 | |
| 9.5 | 46 | 3.4 | 14.9 | | 9.3 | 5 | 5.4 | 12.1 | aB | 7.5 | 25 | 0.7 | 26.0 | K | 8.1 | 44 | 21.0 | 4.9 | L | 8.8 | | 19.7 | 15.7 | K |
| 9.2 | | 58.7 | 1.8 | | 9.3 | | 12.7 | 22.4 | | 9.0 | | 10.4 | 32.2 | K | 9.3 | | 28.6 | 53.4 | | 9.4 | | 30.3 | 5.9 | |
| 9.0 | 47 | 6.3 | 52.7 | K | 9.1 | | 21.7 | 4.0 | Kb | 9.2 | | 12.8 | 51.7 | | 9.3 | | 30.3 | 31.4 | | 9.4 | | 55.8 | 55.8 | |
| 8.3 | | 28.7 | 52.6 | K | 9.4 | | 41.8 | 45.7 | | 9.2 | 26 | 43.4 | 9.3 | aB | 9.5 | | 47.5 | 0.1 | | 9.5 | 9 | 15.2 | 36.5 | a |
| 9.4 | | 41.1 | 14.9 | | 9.0 | 6 | 36.4 | 24.5 | | 8.0 | | 52.9 | 9.3 | B | 9.1 | 45 | 11.2 | 57.3 | | 9.3 | | 30.7 | 35.9 | aB |
| 9.2 | | 53.6 | 18.4 | aBb | 9.5 | | 52.0 | 39.4 | | 9.5 | 27 | 4.1 | 39.8 | B | 8.5 | | 21.5 | 30.9 | K | 7.4 | | 30.9 | 46.9 | K |
| 9.5 | 48 | 16.0 | 40.5 | | 8.5 | 7 | 16.3 | 58.9 | K | 9.1 | | 12.6 | 31.0 | K | 9.5 | 46 | 31.3 | 43.2 | | 9.5 | 10 | 4.0 | 27.8 | |
| 9.1 | | 22.7 | 22.5 | | 7.0 | | 45.1 | 20.8 | L | 8.7 | | 28.8 | 45.6 | B | 9.5 | | 40.3 | 56.7 | | 9.5 | | 33.5 | 30.0 | |
| 9.0 | | 28.2 | 2.7 | B | 8.5 | 8 | 1.9 | 17.3 | L | 9.2 | | 58.5 | 58.9 | | 9.5 | | 51.3 | 28.7 | | 9.1 | | 37.7 | 40.3 | b |
| 9.3 | | 31.6 | 12.7 | | 8.8 | | 2.8 | 26.9 | | 9.5 | 28 | 43.5 | 18.9 | | 9.5 | 47 | 20.3 | 16.0 | | 9.2 | | 49.9 | 51.8 | aB |
| 9.5 | | 42.0 | 10.5 | | 9.5 | | 21.2 | 43.1 | B | 7.0 | | 56.6 | 30.2 | K | 9.4 | 48 | 0.6 | 21.6 | B | 9.5 | 11 | 43.6 | 46.3 | |
| 9.5 | | 44.1 | 24.1 | | 8.9 | | 42.1 | 58.0 | | 9.1 | 29 | 52.5 | 8.7 | | 9.4 | | 9.7 | 20.8 | | 9.1 | | 44.0 | 42.8 | aBb |
| 9.3 | 49 | 7.1 | 54.0 | aB | 9.5 | 9 | 12.2 | 31.8 | | 9.0 | 30 | 13.8 | 17.4 | | 7.3 | | 20.2 | 2.6 | Kb | 9.4 | 12 | 3.5 | 49.4 | |
| 9.4 | | 40.7 | 35.0 | | 9.5 | | 49.3 | 34.0 | | 9.2 | | 15.3 | 42.1 | | 8.0 | | 42.6 | 19.6 | Kb | 9.5 | | 28.6 | 50.3 | |
| 9.1 | | 54.1 | 31.7 | | 9.1 | | 51.2 | 1.3 | aBb | 9.5 | 31 | 37.7 | 21.2 | | 9.0 | | 50.4 | 47.0 | B | 9.4 | 13 | 0.0 | 26.8 | |
| 8.6 | | 58.6 | 44.7 | Lb | 9.3 | 10 | 2.1 | 6.1 | | 9.5 | 32 | 1.5 | 55.0 | | 9.3 | | 54.5 | 33.7 | | 8.8 | | 26.5 | 17.9 | |
| 8.0 | 50 | 5.7 | 14.9 | K | 7.2 | | 28.6 | 51.9 | Kb | 8.4 | | 9.2 | 44.5 | S | 9.5 | 49 | 54.8 | 48.2 | | 9.4 | | 30.4 | 58.6 | aB |
| 8.5 | | 24.7 | 26.5 | K | 9.3 | | 47.4 | 34.7 | aB | 9.2 | | 33.6 | 5.7 | aB | 8.5 | | 57.5 | 26.7 | K | 9.5 | 14 | 8.3 | 52.9 | |
| 9.5 | | 27.6 | 1.1 | | 9.5 | 11 | 9.5 | 51.6 | | 9.0 | 33 | 8.7 | 14.7 | | 9.5 | 50 | 9.3 | 50.8 | | 9.5 | | 52.9 | 28.0 | |
| 9.5 | | 40.6 | 40.7 | | 9.5 | | 28.6 | 59.2 | | 8.9 | 34 | 1.9 | 0.4 | | 8.4 | | 25.2 | 4.9 | L | 9.3 | 15 | 1.0 | 1.0 | |
| 9.3 | | 43.4 | 33.8 | | 9.4 | 12 | 17.7 | 2.2 | | 8.5 | | 5.1 | 28.6 | | 9.3 | | 57.3 | 10.1 | aB | 9.5 | | 23.3 | 29.0 | |
| 9.5 | | 44.0 | 58.7 | | 9.0 | | 54.3 | 11.0 | | 9.4 | | 13.7 | 7.3 | | 9.0 | 51 | 19.8 | 18.8 | | 8.7 | | 26.8 | 58.4 | |
| 9.5 | 51 | 21.3 | 31.3 | | 8.1 | | 59.3 | 29.3 | L | 9.0 | | 55.4 | 34.6 | | 9.4 | 52 | 1.5 | 5.9 | | 9.0 | | 44.2 | 31.7 | |
| 8.8 | | 34.6 | 19.1 | K | 9.4 | 13 | 26.5 | 42.8 | | 9.5 | 35 | 5.6 | 24.8 | | 9.4 | 53 | 51.2 | 15.8 | aB | 9.2 | | 56.8 | 53.6 | |
| 7.5 | 52 | 11.8 | 53.2 | K | 8.9 | | 29.7 | 33.6 | aB | 9.5 | | 6.5 | 59.3 | | 9.5 | 54 | 12.3 | 17.3 | | 9.2 | 16 | 3.0 | 6.0 | Bb |
| 9.5 | 53 | 11.4 | 18.6 | | 8.4 | | 32.4 | 36.5 | L | 8.9 | | 9.8 | 54.3 | Kb | 9.3 | | 53.4 | 48.1 | | 9.5 | 17 | 4.8 | 32.3 | |
| 9.1 | | 39.2 | 47.0 | aB | 9.2 | | 43.5 | 33.5 | B | 9.5 | | 11.4 | 46.8 | | 6.8 | | 53.5 | 26.3 | K | 9.5 | | 7.5 | 37.6 | aB |
| 9.5 | | 39.8 | 40.4 | | 8.1 | | 49.8 | 58.9 | R | 9.4 | | 26.1 | 21.5 | | 9.5 | 55 | 9.9 | 18.2 | | 9.0 | | 53.7 | 14.1 | |
| 9.5 | | 50.2 | 52.3 | | 8.2 | | 52.6 | 26.9 | L | 9.4 | | 38.9 | 13.5 | | 9.5 | | 21.4 | 56.0 | | 9.0 | | 56.5 | 8.6 | |
| 8.4 | | 51.4 | 29.8 | K | 8.0 | 14 | 28.5 | 56.2 | L | 9.5 | | 49.4 | 50.7 | | 8.7 | 56 | 37.3 | 6.4 | K | 9.1 | 18 | 19.4 | 25.1 | b |
| 8.9 | | 51.8 | 39.4 | B | 8.5 | 15 | 3.7 | 19.1 | Kb | 9.1 | 36 | 30.0 | 43.6 | | 9.5 | 57 | 27.4 | 0.3 | | 9.4 | | 35.7 | 48.1 | B |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 39.39 | 0.67 | | 10pr. | | 39.21 | 0.94 | | 10pr. | | 38.97 | 1.21 | | 10pr. | | 38.67 | 1.47 | | 10pr. | | 38.22 | 1.78 | |

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|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 18 45.0 | 29.3 | |
| 9.5 | 46.8 | 44.3 | |
| 6.7 | 20 7.8 | 10.6 | L |
| 9.5 | 38.5 | 11.7 | |
| 8.8 | 22 49.4 | 38.7 | K |
| 8.8 | 54.5 | 39.3 | K |
| 9.2 | 55.8 | 3.6 | |
| 9.2 | 23 17.1 | 9.9 | |
| 9.5 | 43.6 | 3.7 | |
| 7.3 | 24 2.3 | 54.5 | K |
| | | | |
| 9.5 | 43.7 | 41.5 | |
| 9.2 | 56.7 | 23.0 | |
| 9.5 | 25 39.8 | 4.5 | |
| 9.1 | 48.7 | 4.5 | Bb |
| 9.5 | 50.9 | 55.0 | |
| 8.5 | 51.5 | 24.7 | B |
| 9.5 | 26 6.3 | 1.7 | |
| 9.0 | 28.4 | 16.9 | K |
| 9.1 | 30.0 | 45.6 | |
| 9.5 | 27 8.0 | 54.4 | |
| | | | |
| 9.5 | 24.5 | 9.8 | |
| 9.5 | 46.3 | 52.2 | |
| 9.1 | 28 1.5 | 9.5 | |
| 9.5 | 16.6 | 56.9 | |
| 9.5 | 29.7 | 39.0 | |
| 9.1 | 51.3 | 9.8 | |
| 8.5 | 29 6.8 | 10.1 | K |
| 6.5 | 15.9 | 18.2 | Kb |
| 8.3 | 19.4 | 58.2 | |
| 8.0 | 29.9 | 39.2 | K |
| | | | |
| 9.5 | 30 25.9 | 15.8 | |
| 7.2 | 31.5 | 2.5 | Kb |
| 8.6 | 52.4 | 10.0 | K |
| 7.0 | 54.3 | 14.8 | Kb |
| 9.4 | 31 2.0 | 30.1 | |
| 8.0 | 16.4 | 31.3 | K |
| 9.2 | 21.0 | 20.3 | |
| 6.8 | 30.4 | 46.8 | K |
| 9.5 | 32 11.0 | 33.7 | |
| 8.9 | 13.3 | 56.0 | |
| | | | |
| 9.3 | 49.2 | 59.3 | |
| 8.3 | 33 0.8 | 54.2 | K |
| 9.4 | 23.7 | 46.0 | |
| 9.2 | 24.9 | 15.8 | |
| 8.8 | 40.5 | 5.3 | |
| 8.0 | 34 21.3 | 14.3 | K |
| 9.5 | 26.1 | 2.1 | |
| 9.5 | 30.7 | 42.3 | |
| 8.9 | 49.6 | 24.4 | |
| 8.6 | 35 0.5 | 19.5 | |
| | | | |
| 9.5 | 20.6 | 35.5 | aB |
| 9.2 | 36 8.9 | 32.5 | |
| 9.4 | 15.3 | 58.6 | |
| 7.5 | 26.7 | 46.0 | K |
| 8.8 | 39.6 | 57.2 | Kb |
| 9.4 | 37 47.4 | 23.0 | |
| 8.8 | 48.1 | 40.8 | L |
| 9.3 | 38 1.0 | 6.1 | |
| 9.5 | 39 22.3 | 5.4 | |
| 9.4 | 28.5 | 46.5 | B |
| | + | — | |
| 10pr. | 37.74 | 2.03 | |

1761—1820

| | 8ᵐ—9ᵐ | +33° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 39 29.0 | 31.6 | |
| 9.3 | 40 3.6 | 19.3 | aBb |
| 9.4 | 43.3 | 14.9 | |
| 9.5 | 41 9.4 | 26.5 | |
| 6.3 | 32.2 | 50.9 | Kb |
| 9.4 | 53.5 | 3.4 | |
| 9.0 | 42 18.0 | 46.1 | |
| 9.5 | 50.9 | 58.8 | |
| 9.5 | 43 34.6 | 48.5 | |
| 6.0 | 37.2 | 1.3 | Kb |
| | | | |
| 9.4 | 38.4 | 43.5 | |
| 9.5 | 40.6 | 55.0 | |
| 9.3 | 49.3 | 44.5 | aB |
| 9.4 | 57.2 | 32.4 | |
| 9.3 | 44 4.4 | 3.6 | |
| 8.0 | 52.2 | 36.1 | B |
| 9.5 | 57.3 | 25.0 | |
| 9.5 | 45 51.4 | 54.2 | |
| 7.7 | 46 2.3 | 17.8 | K |
| 9.0 | 8.5 | 31.6 | K |
| | | | |
| 9.5 | 19.6 | 19.8 | a |
| 9.3 | 47 28.1 | 57.2 | B |
| 9.5 | 36.2 | 20.9 | B |
| 7.5 | 42.3 | 48.6 | K |
| 6.0 | 59.6 | 27.9 | K |
| 9.3 | 48 8.0 | 14.4 | aB |
| 9.0 | 18.3 | 27.2 | K |
| 9.5 | 20.1 | 8.8 | |
| 8.2 | 49 23.6 | 45.1 | Kb |
| 9.3 | 57.9 | 3.0 | |
| | | | |
| 9.0 | 50 18.5 | 59.6 | |
| 9.5 | 35.1 | 32.3 | |
| 9.5 | 35.3 | 1.6 | B |
| 9.4 | 36.6 | 39.9 | |
| 9.5 | 51 7.0 | 58.1 | |
| 9.2 | 43.9 | 8.2 | |
| 9.5 | 52 16.3 | 38.1 | |
| 9.4 | 50.0 | 53.7 | b |
| 9.5 | 53 49.3 | 32.4 | |
| 7.5 | 54 26.2 | 27.0 | K |
| | | | |
| 9.2 | 55 17.0 | 43.8 | |
| 8.7 | 59.9 | 26.2 | L |
| 9.0 | 56 47.1 | 0.6 | K |
| 9.0 | 59.9 | 27.5 | |
| 9.4 | 57 18.3 | 47.9 | |
| 7.8 | 42.9 | 56.5 | K |
| 9.4 | 58 9.2 | 58.8 | |
| 9.0 | 59 1.1 | 1.2 | |
| 9.5 | 4.3 | 26.0 | |
| 6.7 | 13.8 | 8.5 | K |
| | | | |
| 9.1 | 46.3 | 29.4 | K |
| 8.9 | 58.2 | 34.4 | K |
| 9.5 | 0 21.6 | 3.2 | |
| 9.4 | 40.5 | 25.0 | |
| 8.5 | 42.7 | 58.9 | K |
| 9.5 | 1 29.3 | 59.7 | |
| 8.8 | 2 24.0 | 30.9 | K |
| 9.2 | 28.5 | 31.9 | K |
| 8.7 | 59.8 | 41.9 | K |
| 8.8 | 3 11.0 | 35.9 | K |
| | + | — | |
| 10pr. | 37.24 | 2.26 | |

1821—1880

| | 9ᵐ | +33° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 4 55.0 | 20.1 | |
| 9.2 | 5 1.6 | 5.3 | b |
| 9.5 | 11.3 | 22.8 | |
| 9.4 | 14.8 | 40.3 | |
| 9.5 | 52.7 | 8.5 | |
| 9.4 | 53.5 | 21.6 | |
| 9.0 | 56.1 | 59.1 | L |
| 9.4 | 57.4 | 20.6 | aB |
| 8.9 | 6 42.3 | 41.9 | K |
| 9.5 | 7 33.6 | 46.2 | |
| | | | |
| 9.4 | 8 17.7 | 5.6 | |
| 9.5 | 24.3 | 22.0 | |
| 9.2 | 27.4 | 9.0 | |
| 9.4 | 51.0 | 57.0 | |
| 9.5 | 9 39.1 | 37.2 | |
| 9.4 | *11* 6.8 | 17.3 | |
| 9.0 | *10* 20.7 | 10.1 | B |
| 9.5 | *10* 43.3 | 54.3 | aB |
| 9.4 | *10* 59.3 | 8.5 | aB |
| 9.5 | 11 6.6 | 39.6 | |
| | | | |
| 9.0 | 12 1.4 | 46.0 | |
| 9.3 | 8.6 | 5.6 | |
| 9.5 | 14.0 | 0.3 | |
| 9.5 | 15.7 | 4.4 | |
| 9.2 | 19.4 | 51.8 | |
| 8.5 | 24.8 | 26.0 | K |
| 9.5 | 29.4 | 42.1 | |
| 6.8 | 39.5 | 31.8 | K |
| 9.5 | 44.9 | 5.4 | |
| 8.6 | 13 23.3 | 14.7 | Kb |
| | | | |
| 9.0 | 55.5 | 5.1 | |
| 7.5 | 14 21.8 | 32.6 | K |
| 7.8 | 25.4 | 43.1 | K |
| 8.6 | 15 12.1 | 25.2 | |
| 9.4 | 45.9 | 7.2 | |
| 9.5 | 16 26.6 | 41.7 | |
| 9.0 | 38.5 | 29.6 | K |
| 9.5 | 46.2 | 11.2 | |
| 7.8 | 17 0.1 | 23.0 | K |
| 8.4 | 18 6.0 | 41.5 | L |
| | | | |
| 9.4 | 27.4 | 52.8 | |
| 9.5 | 44.2 | 58.8 | |
| 9.4 | 50.3 | 38.1 | |
| 9.0 | 19 0.3 | 54.4 | |
| 9.4 | 41.4 | 55.2 | |
| 9.4 | 51.8 | 1.3 | |
| 9.2 | 20 59.7 | 23.2 | Kb |
| 9.1 | 21 7.3 | 9.2 | b |
| 8.9 | 11.5 | 32.0 | |
| 8.0 | 15.3 | 56.7 | K |
| | | | |
| 9.5 | 42.8 | 22.6 | |
| 9.5 | 22 5.4 | 21.9 | |
| 9.4 | 9.9 | 57.8 | |
| 9.4 | 50.8 | 42.1 | |
| 8.8 | 23 0.8 | 43.9 | B |
| 9.3 | 2.3 | 41.1 | |
| 9.5 | 52.9 | 48.8 | |
| 9.3 | 25 4.1 | 10.2 | |
| 8.2 | 24.9 | 38.8 | K |
| 9.5 | 54.9 | 28.6 | |
| | + | — | |
| 10pr. | 36.59 | 2.50 | |

1881—1940

| | 9ᵐ | +33° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 26 41.3 | 55.3 | |
| 9.2 | 27 4.9 | 15.1 | aB |
| 8.9 | 27.5 | 6.3 | |
| 9.3 | 55.7 | 30.0 | |
| 9.4 | 28 38.3 | 45.5 | aB |
| 9.2 | 46.5 | 34.0 | Kb |
| 9.5 | 59.1 | 55.6 | |
| 9.2 | 29 28.7 | 3.1 | Kb |
| 9.5 | 30 4.2 | 37.6 | |
| 9.4 | 43.2 | 12.0 | aB |
| | | | |
| 9.5 | 54.8 | 50.0 | |
| 9.5 | 31 11.5 | 45.3 | |
| 9.5 | 35.6 | 58.3 | |
| 9.5 | 50.4 | 58.3 | |
| 7.5 | 32 6.2 | 38.9 | K |
| 9.3 | 7.1 | 59.4 | |
| 8.7 | 54.2 | 42.8 | K |
| 6.5 | 33 55.1 | 39.9 | K |
| 9.5 | 34 59.5 | 8.2 | |
| 9.5 | 35 11.6 | 11.7 | |
| | | | |
| 9.5 | 36 6.4 | 56.6 | |
| 9.0 | 37 36.9 | 45.8 | |
| 9.5 | 38.0 | 4.8 | |
| 9.5 | 44.5 | 21.1 | |
| 9.5 | 38 5.5 | 56.2 | |
| 8.8 | 28.4 | 49.6 | |
| 7.5 | 43.1 | 26.8 | Kb |
| 9.5 | 39 11.6 | 56.5 | |
| 9.5 | 40 58.2 | 1.4 | |
| 9.5 | 42 32.7 | 56.3 | |
| | | | |
| 9.5 | 43 5.8 | 41.6 | |
| 9.0 | 44 19.3 | 26.6 | K |
| 8.5 | 29.5 | 59.0 | K |
| 9.1 | 45.2 | 44.0 | |
| 9.5 | 45 12.3 | 7.2 | |
| 8.7 | 37.2 | 17.8 | L |
| 9.1 | 57.4 | 22.0 | |
| 9.5 | 46 27.3 | 38.9 | |
| 9.1 | 47 5.2 | 21.5 | |
| 6.5 | 48 1.3 | 4.0 | Kb |
| | | | |
| 9.5 | 15.2 | 18.3 | |
| 8.2 | 37.5 | 39.5 | K |
| 8.5 | 49 40.9 | 42.7 | K |
| 9.2 | 51.0 | 42.2 | K |
| 9.2 | 50 7.1 | 4.3 | B |
| 9.2 | 13.4 | 16.5 | |
| 9.5 | 15.2 | 42.8 | |
| 8.9 | 34.0 | 58.5 | K |
| 9.5 | 34.0 | 37.3 | |
| 9.0 | 42.3 | 8.0 | |
| | | | |
| 9.5 | 51 17.0 | 47.3 | |
| 9.5 | 29.3 | 1.9 | |
| 9.5 | 52 10.8 | 32.1 | |
| 8.5 | 53 36.4 | 44.0 | Kb |
| 9.3 | 39.7 | 21.6 | |
| 9.5 | 50.9 | 12.1 | |
| 9.4 | 54 42.1 | 56.7 | |
| 7.0 | 55 32.4 | 21.0 | K |
| 6.9 | 48.5 | 8.8 | K |
| 8.1 | 56 47.2 | 55.4 | K |
| | + | — | |
| 10pr. | 35.70 | 2.76 | |

1941—2000

| | 9ᵐ—10ᵐ | +33° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 56 58.6 | 52.6 | B |
| 9.5 | 57 7.4 | 38.1 | |
| 9.5 | 9.3 | 50.6 | |
| 9.5 | 59 47.0 | 31.8 | |
| 8.7 | 0 42.2 | 54.8 | |
| 8.5 | 47.0 | 4.3 | |
| 8.2 | 1 14.7 | 29.5 | K |
| 9.5 | 57.4 | 30.0 | |
| 9.2 | 2 31.9 | 55.8 | |
| 9.4 | 3 10.2 | 20.8 | |
| | | | |
| 8.2 | 23.6 | 50.7 | B |
| 9.1 | 4 7.2 | 53.5 | K |
| 9.5 | 16.0 | 33.5 | |
| 9.5 | 17.8 | 41.3 | |
| 9.5 | 21.0 | 55.6 | |
| 9.5 | 33.5 | 37.7 | |
| 9.5 | 42.0 | 38.9 | |
| 9.1 | 5 52.0 | 33.3 | b |
| 9.3 | 7 0.8 | 3.0 | a |
| 9.3 | 11.7 | 5.0 | |
| | | | |
| 9.5 | 40.0 | 5.0 | |
| 8.2 | 56.7 | 52.7 | K |
| 8.9 | 8 54.7 | 15.5 | |
| 8.4 | 9 4.8 | 30.0 | K |
| 9.4 | 36.5 | 9.6 | |
| 9.5 | 58.3 | 58.9 | |
| 9.5 | 10 7.2 | 40.6 | |
| 8.3 | 37.3 | 7.5 | K |
| 8.5 | 44.1 | 45.5 | |
| 9.5 | 11 16.0 | 1.2 | |
| | | | |
| 9.4 | 17.5 | 8.1 | |
| 9.2 | 17.7 | 17.0 | K |
| 9.5 | 20.5 | 25.4 | |
| 9.5 | 44.9 | 34.1 | |
| 9.4 | 12 3.7 | 54.3 | |
| 8.5 | 27.6 | 7.6 | B |
| 9.3 | 13 48.8 | 34.1 | |
| 9.1 | 14 16.2 | 32.9 | |
| 8.5 | 29.9 | 44.9 | K |
| 9.3 | 16 11.4 | 42.3 | |
| | | | |
| 9.4 | 23.9 | 15.8 | B |
| 9.1 | 40.7 | 11.0 | b |
| 9.5 | 17 8.5 | 1.6 | |
| 9.3 | 20.1 | 55.1 | |
| 9.5 | 23.8 | 49.0 | |
| 8.0 | 24.6 | 30.6 | K |
| 9.5 | 24.8 | 38.9 | |
| 9.5 | 31.2 | 21.5 | |
| 9.5 | 40.7 | 48.5 | |
| 9.5 | 43.4 | 56.5 | |
| | | | |
| 9.4 | 18 57.6 | 13.6 | |
| 8.0 | 19 16.5 | 46.7 | K |
| 9.5 | 22.8 | 14.5 | |
| 9.5 | 20 44.2 | 39.3 | |
| 8.3 | 55.6 | 43.1 | K |
| 9.4 | 22 13.4 | 41.0 | B |
| 9.0 | 18.9 | 41.1 | B |
| 8.4 | 34.1 | 40.0 | K |
| 6.1 | 23 37.7 | 7.1 | Kb |
| 9.0 | 59.0 | 34.6 | |
| | + | — | |
| 10pr. | 34.76 | 2.97 | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ᵐ | | +33° | | | 10ᵐ—11ᵐ | +33° | | | 11ᵐ | +33° | | | | 11ᵐ—12ᵐ | +33° | | | | 12ᵐ | +33° | | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | |
| 9.3 | 24′ | 4.3 | 59.4 | | 9.4 | 52′ | 17.2 | 52.3 | | 9.5 | 22′ | 28.5 | 58.6 | | 8.0 | 53′ | 25.1 | 46.0 | K | 9.1 | 21′ | 43.2 | 57.9 | L |
| 9.5 | | 26.8 | 33.1 | | 9.5 | 53 | 13.9 | 55.4 | | 9.5 | | 58.4 | 54.1 | | 9.5 | | 33.6 | 32.2 | | 9.1 | | 43.5 | 43.8 | K |
| 9.3 | 25 | 46.3 | 15.2 | Kb | 9.5 | | 20.4 | 47.1 | | 7.0 | 23 | 22.3 | 5.8 | K | 9.5 | 54 | 1.2 | 13.9 | B | 9.3 | 22 | 12.8 | 10.4 | |
| 9.0 | 26 | 27.2 | 53.0 | | 9.4 | 54 | 1.6 | 1.5 | aBb | 9.5 | | 37.0 | 43.7 | | 9.5 | | 10.8 | 17.0 | B | 7.3 | 24 | 21.5 | 49.5 | K |
| 9.3 | | 41.8 | 6.7 | | 9.5 | | 21.3 | 11.3 | | 9.5 | | 49.5 | 12.4 | | 8.6 | | 37.7 | 8.4 | K | 9.5 | | 36.1 | 35.1 | |
| 9.3 | | 49.1 | 45.4 | | 9.5 | | 48.1 | 25.0 | | 9.5 | 24 | 2.0 | 22.3 | | 9.5 | 55 | 17.1 | 57.2 | | 9.5 | 25 | 20.0 | 11.7 | |
| 9.5 | 27 | 32.1 | 34.5 | | 9.2 | | 51.3 | 40.5 | b | 9.2 | | 50.6 | 45.0 | | 8.7 | 56 | 9.9 | 51.8 | Kb | 9.5 | | 22.1 | 30.8 | |
| 9.4 | | 35.3 | 52.0 | | 9.5 | 55 | 11.1 | 5.1 | | 9.3 | 25 | 22.7 | 36.7 | | 9.3 | 57 | 16.1 | 46.2 | | 8.6 | 27 | 2.4 | 0.1 | K |
| 9.5 | 29 | 25.6 | 54.9 | | 9.5 | | 12.8 | 12.4 | | 7.7 | | 29.0 | 55.4 | K | 8.3 | | 26.1 | 39.1 | K | 9.5 | | 16.3 | 0.5 | |
| 9.3 | | 30.2 | 16.2 | | 9.5 | | 38.4 | 56.5 | | 9.3 | | 30.7 | 59.5 | | 9.4 | | 41.0 | 58.7 | B | 9.5 | 28 | 2.6 | 35.8 | |
| 9.3 | | 32.4 | 31.3 | K | 9.5 | | 39.7 | 39.2 | | 9.5 | 28 | 52 3 | 18.2 | B | 9.1 | 58 | 6.6 | 10.9 | b | 8.8 | | 12.4 | 50.7 | |
| 8.0 | | 35.4 | 25.9 | K | 8.5 | | 44.0 | 5.2 | Kb | 9.4 | 29 | 3.4 | 35.7 | | 8.8 | 0 | 48.6 | 14.5 | K | 9.5 | | 30.3 | 56.5 | |
| 9.1 | 30 | 0.2 | 19.9 | | 8.9 | 56 | 1.0 | 55.7 | B | 8.8 | 30 | 2.5 | 54.5 | K | 8.0 | 2 | 18.5 | 53.7 | K | 9.5 | | 35.7 | 6.7 | |
| 9.5 | | 5.4 | 25.2 | | 8.6 | | 34.3 | 46.5 | | 9.4 | | 27.0 | 34.4 | B | 9.2 | | 24.2 | 17.8 | | 9.5 | 29 | 24.7 | 8.4 | |
| 9.0 | | 57.0 | 4.0 | | 9.0 | 57 | 6.2 | 36.8 | | 9.3 | 31 | 4.8 | 25.1 | | 9.2 | 3 | 2.9 | 55.8 | K | 9.1 | | 39.5 | 42.0 | K |
| 8.5 | | 57.5 | 35.3 | B | 9.5 | 58 | 29.5 | 29.2 | | 9.3 | | 13.4 | 26.1 | | 9.4 | | 22.3 | 53.1 | aB | 9.5 | | 48.6 | 24.2 | |
| 9.2 | 31 | 44.5 | 29.5 | Kb | 9.5 | | 39.3 | 55.1 | | 9.4 | | 23.9 | 13.1 | | 9.3 | | 27.1 | 32.3 | | 8.3 | | 56.7 | 49.5 | B |
| 9.5 | 33 | 24.4 | 57.7 | | 9.4 | 59 | 4.1 | 21.0 | | 9.5 | 32 | 11.9 | 21.3 | | 9.0 | | 29.9 | 10.8 | K | 8.3 | 30 | 41.0 | 20.0 | K |
| 8.8 | | 54.0 | 54.2 | Kb | 9.1 | 0 | 1.3 | 6.7 | b | 8.8 | | 55.6 | 29.9 | K | 8.7 | | 33.5 | 48.3 | K | 9.5 | 31 | 14.1 | 24.2 | |
| 9.5 | 34 | 23.6 | 11.8 | | 9.5 | | 11.5 | 13.0 | | 9.1 | 33 | 9.5 | 12.3 | | 9.2 | | 40.1 | 45.9 | | 9.5 | 33 | 29.6 | 45.9 | |
| 9.1 | 35 | 58.2 | 15.0 | | 9.5 | | 14.2 | 28.6 | | 9.3 | | 34.8 | 7.2 | | 9.5 | 4 | 48.5 | 30.8 | | 8.1 | 35 | 0.4 | 39.9 | K |
| 7.3 | 36 | 17.0 | 22.9 | Kb | 9.5 | | 58.4 | 14.1 | | 8.5 | | 49.0 | 3.0 | K | 9.5 | | 54.2 | 54.2 | | neb | | 2.1 | 19.3 | |
| 9.4 | | 49.4 | 55.4 | | 9.0 | 1 | 55.5 | 37.6 | | 9.4 | 34 | 14.5 | 2.0 | | 9.5 | 5 | 19.1 | 11.3 | | 9.4 | 36 | 0.8 | 58.9 | |
| 7.4 | 37 | 40.7 | 22.3 | K | 7.5 | 2 | 2.0 | 19.2 | Kb | 9.4 | | 30.2 | 39.5 | | 9.1 | 6 | 41.1 | 45.9 | B | 9.0 | | 52.0 | 42.7 | Bb |
| 9.3 | | 55.5 | 5.7 | B | 9.5 | 3 | 18.1 | 26.8 | | 8.1 | 35 | 10.2 | 30.9 | Kb | 7.0 | | 47.2 | 34.9 | K | 9.3 | 37 | 32.8 | 8.4 | |
| 9.5 | | 55.8 | 1.4 | | 9.3 | | 52.5 | 11.7 | | 9.2 | | 40.5 | 1.9 | | 8.7 | | 49.2 | 34.9 | K | 7.8 | | 53.0 | 53.2 | K |
| 9.0 | 38 | 0.6 | 26.4 | | 9.5 | 4 | 10.8 | 11.0 | | 8.8 | 36 | 19.1 | 22.0 | | 8.8 | 7 | 47.1 | 0.7 | | 9.0 | 39 | 26.7 | 51.8 | K |
| 9.5 | | 8.3 | 41.1 | | 8.5 | | 15.8 | 23.4 | Kb | 9.1 | | 58.3 | 19.2 | | 9.5 | | 50.5 | 48.0 | | 9.1 | | 44.5 | 24.8 | |
| 9.4 | | 17.5 | 27.8 | | 9.5 | 5 | 44.1 | 19.6 | | 9.3 | | 59.9 | 24.1 | | 8.2 | | 51.6 | 38.8 | K | 8.0 | 40 | 5.7 | 21.7 | B |
| 9.4 | | 25.8 | 54.3 | | 9.5 | 6 | 30.1 | 3.0 | B | 9.5 | 37 | 42.1 | 55.0 | | 8.6 | 8 | 2.4 | 27.4 | B | 9.3 | | 25.0 | 33.8 | |
| 8.7 | | 39.7 | 7.7 | B | 8.7 | 7 | 16.7 | 47.2 | Kb | 9.4 | 38 | 25.9 | 43.7 | K | 8.8 | | 23.1 | 34.9 | K | 9.0 | | 35.5 | 37.9 | K |
| 9.5 | | 47.3 | 22.6 | | 9.3 | | 53.0 | 22.8 | | 9.1 | | 46.4 | 50.9 | | 9.5 | 9 | 6.4 | 56.9 | | 9.4 | | 39.7 | 47.7 | |
| 9.5 | 39 | 27.4 | 20.6 | | 9.5 | 8 | 12.9 | 13.2 | | 9.3 | 39 | 22.5 | 50.1 | | 5.0 | | 12.2 | 52.2 | K | 9.5 | | 56.5 | 49.6 | |
| 9.2 | | 35.2 | 29.9 | | 9.3 | | 46.0 | 44.4 | | 9.5 | | 58.1 | 52.7 | | 9.5 | 10 | 5.4 | 15.0 | | 9.5 | 41 | 42.1 | 22.8 | |
| 9.5 | | 57.0 | 29.0 | | 8.9 | 9 | 38.8 | 39.9 | K | 9.0 | 40 | 0.8 | 47.2 | | 9.5 | | 5.6 | 49.7 | | 9.5 | | 56.5 | 42.0 | |
| 9.4 | 40 | 6.2 | 48.5 | | 8.7 | 10 | 15.9 | 52.8 | K | 7.8 | | 20.5 | 16 9 | Kb | 9.5 | | 9.7 | 33.6 | | 9.3 | 43 | 34.0 | 22.1 | |
| 8.9 | | 12.8 | 39.2 | B | 9.5 | | 35.5 | 14.4 | | 9.5 | 41 | 26.0 | 56.7 | | 9.0 | | 41.3 | 30.9 | K | 9.2 | | 45.7 | 52.3 | b |
| 9.4 | | 46.5 | 26.4 | | 3.4 | | 38.5 | 53.3 | K | 9.5 | 42 | 33.5 | 7.3 | | 9.5 | | 50.9 | 16.5 | | 8.5 | 44 | 3.6 | 31.0 | K |
| 8.0 | | 50.7 | 10.7 | K | 7.8 | 11 | 44.4 | 36.5 | K | 9.4 | | 42.4 | 11.7 | | 7.2 | 11 | 12.1 | 33.0 | K | 9.5 | 45 | 19.0 | 21.0 | |
| 9.5 | 41 | 45.4 | 53.6 | | 9.5 | 13 | 0.8 | 20.7 | | 9.5 | 43 | 27.5 | 1.4 | | 9.2 | | 18.2 | 39.3 | aB | 8.3 | 46 | 11.4 | 4.7 | L |
| 9.3 | | 50.7 | 15.0 | B | 9.4 | | 19.6 | 24.2 | aB | 8.3 | | 37.5 | 17.1 | Bb | 9.1 | | 47.9 | 33.3 | K | 9.5 | | 12.5 | 49.6 | |
| 9.5 | 42 | 33.2 | 40.0 | | 9.5 | | 34.5 | 13.6 | | 9.0 | | 47.0 | 59.7 | | 9.5 | 12 | 19.4 | 27.8 | | 8.3 | | 51.1 | 16.6 | K |
| 9.4 | | 39.1 | 47.6 | | 9.5 | | 37.3 | 19.2 | | 9.5 | 44 | 3.5 | 10.9 | | 9.5 | | 49.3 | 31.6 | | 9.5 | 47 | 26.0 | 40.0 | |
| 9.5 | | 40.8 | 21.6 | | 9.3 | | 45.5 | 14.5 | | 9.5 | 45 | 7.6 | 40.0 | | 9.5 | 14 | 9.3 | 42.1 | | 8.2 | 48 | 16.5 | 38.3 | K |
| 8.8 | 43 | 42.2 | 12.0 | | 9.5 | | 46.6 | 51.6 | | 9.3 | 46 | 25.1 | 39.8 | b | 7.7 | | 46.8 | 53.7 | B | 9.5 | | 41.6 | 34.5 | |
| 8.6 | | 59.0 | 48.4 | K | 8.7 | | 50.1 | 34.4 | K | 9.4 | | 59.5 | 16.0 | aB | 8.9 | | 51.9 | 9 6 | K | 8.3 | 49 | 21.8 | 19.6 | L |
| 7.5 | 44 | 0.0 | 24.3 | K | 9.0 | 14 | 23.0 | 21.6 | | 9.5 | 47 | 13.6 | 58.3 | | 8.9 | 15 | 7.2 | 25.7 | B | 9.2 | 50 | 43.0 | 35.1 | |
| 9.5 | | 34.6 | 1.3 | | 9.5 | | 45.4 | 5.1 | | 9.5 | | 41.1 | 12.3 | | 9.1 | | 19.6 | 6.2 | | 9.2 | | 57.7 | 8.4 | |
| 7.5 | | 35.5 | 46.4 | K | 8.8 | 15 | 50.0 | 13.3 | | 9.5 | | 41.1 | 27.0 | | 9.2 | | 53.0 | 44.4 | aB | 9.5 | 51 | 36.1 | 39.9 | |
| 9.1 | | 42 6 | 45.4 | B | 8.4 | 16 | 28.9 | 54.1 | B | 9.5 | 48 | 7.5 | 14.0 | | 9.0 | | 57.0 | 45.1 | K | 9.4 | 52 | 15.7 | 22.0 | |
| 9.5 | 46 | 2.5 | 8.5 | B | 9.1 | | 45.6 | 51.4 | | 9.3 | | 43.8 | 42.5 | | 9.4 | 16 | 25.6 | 47.1 | | 9.5 | | 22.8 | 39.9 | |
| 9.4 | 47 | 5.4 | 12.3 | | 9.5 | 17 | 16.5 | 15.8 | | 8.0 | 49 | 16.2 | 0.6 | K | 9.5 | | 59.0 | 4.3 | | 9.4 | | 39.6 | 22.1 | |
| 9.3 | | 11.3 | 5.1 | b | 9.3 | | 29.7 | 37.6 | aB | 9.1 | | 45.2 | 59.6 | | 9.5 | 17 | 46.1 | 0.5 | | 8.2 | 53 | 3.4 | 14.5 | Kb |
| 9.1 | 48 | 4.1 | 34.7 | b | 9.2 | | 45.4 | 8.5 | b | 6.7 | 50 | 39.4 | 4.6 | K | 9.5 | | 53.5 | 33.1 | | 9.2 | | 4.1 | 23.5 | |
| 9.5 | | 23.5 | 59.0 | | 9.5 | 19 | 13.1 | 22.7 | | 8.8 | | 51.0 | 8.4 | K | 9.1 | 18 | 58.3 | 46.8 | b | 9.5 | 54 | 50.5 | 31.1 | |
| 9.5 | | 25.8 | 15.1 | | 7.7 | | 25.4 | 55.6 | K | 6.0 | 51 | 48.9 | 58.0 | K | 9.4 | 19 | 53.9 | 55.4 | | 7.5 | 55 | 42.7 | 13.1 | K |
| 9.5 | 49 | 2.4 | 28.1 | | 9.1 | 20 | 27.1 | 44.4 | L | 9.5 | | 59.1 | 23.1 | | 9.5 | 20 | 31.9 | 50.0 | B | 9.5 | 56 | 35.0 | 27.7 | |
| 9.5 | 50 | 12.5 | 24.4 | | 9.3 | | 59.7 | 10.3 | | 8.2 | 52 | 43.7 | 1.6 | Lb | 8.8 | | 39.0 | 16.6 | Kb | 8.8 | 57 | 1.2 | 42.9 | K |
| 9.4 | | 55.6 | 43.0 | B | 9.1 | 22 | 0.8 | 50.2 | aBb | 9.3 | 53 | 11.6 | 40.7 | | 9.5 | | 59.4 | 29.6 | | 9.5 | 59 | 22.5 | 7.1 | |
| 9.1 | 51 | 26.7 | 44.0 | ab | 9.5 | | 5.3 | 0.8 | | 9.5 | | 22.1 | 21.2 | | 9.0 | 21 | 31.4 | 43.1 | K | 9.2 | | 37.9 | 26.4 | b |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 33.80 | 3.13 | | 10pr. | | 32.75 | 3.25 | | 10pr. | | 31.56 | 3.33 | | 10pr. | | 30.40 | 3.34 | | 10pr. | | 29.16 | 3.29 | |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ—13ᵘ | | +33° | | | 13ᵘ—14ᵘ | | +33° | | | 14ᵘ | | +33° | | | 14ᵘ—15ᵘ | | +33° | | | 15ᵘ | | +33° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 9.2 | 59 | 42.2 | 48.7 | | 7.6 | 33 | 56.0 | 33.8 | K | 9.5 | 4 | 6.9 | 27.2 | | 9.5 | 32 | 23.9 | 44.0 | | 9.5 | 1 | 12.3 | 26.7 | |
| 9.5 | 0 | 11.0 | 41.2 | | 9.1 | 34 | 1.0 | 35.3 | K | 9.2 | 5 | 13.3 | 34.5 | *b* | 8.3 | 33 | 10.2 | 9.6 | K | 9.4 | | 13.2 | 15.4 | |
| 9.5 | | 16.9 | 48.1 | | 9.5 | 36 | 12.5 | 50.6 | | 9.5 | | 19.5 | 13.5 | | 9.2 | | 28.9 | 45.5 | K | 9.5 | | 49.0 | 38.0 | |
| 9.2 | 1 | 1.6 | 45.3 | *Kb* | 9.5 | | 56.5 | 55.4 | | 9.4 | | 26.6 | 24.0 | B | 9.4 | 34 | 14.4 | 23.4 | | 9.0 | 2 | 16.7 | 44.2 | |
| 9.5 | | 32.7 | 47.0 | | 9.4 | | 58.6 | 5.2 | *aB* | 9.3 | | 44.5 | 34.1 | | 9.5 | 35 | 39.4 | 51.3 | | 9.4 | 3 | 0.2 | 5.1 | |
| 9.5 | 3 | 23.7 | 22.3 | | 9.1 | 37 | 11.5 | 44.1 | K | 9.5 | 6 | 5.8 | 58.6 | | 8.6 | | 44.2 | 37.9 | K | 7.8 | | 5.3 | 49.2 | B |
| 8.6 | 4 | 39.8 | 4.1 | | 9.5 | | 17.4 | 56.0 | | 9.2 | | 46.9 | 37.9 | | 9.5 | 36 | 17.5 | 27.6 | | 9.5 | | 7.1 | 22.5 | |
| 9.4 | | 44.0 | 13.2 | | 9.5 | 38 | 4.8 | 8.1 | *B* | 9.5 | 7 | 40.1 | 13.5 | | 9.0 | 38 | 19.9 | 49.4 | K | 8.3 | | 17.0 | 37.3 | *Lb* |
| 9.1 | 5 | 13.3 | 28.1 | | 9.4 | | 40.7 | 1.7 | *aB* | 8.8 | | 48.2 | 36.9 | | 6.6 | 39 | 9.8 | 24.6 | K | 9.3 | | 24.5 | 47.7 | |
| 9.5 | 6 | 16.6 | 29.5 | | 9.4 | | 51.3 | 34.4 | | 8.8 | | 53.0 | 24.1 | K | 9.1 | | 51.0 | 43.9 | K | 7.2 | 4 | 47.1 | 37.7 | *Kb* |
| 7.0 | | 58.2 | 18.1 | K | 9.5 | 39 | 5.0 | 8.6 | | 8.4 | 8 | 3.1 | 41.7 | | 8.2 | 40 | 24.6 | 8.0 | K | 9.2 | | 50.8 | 54.2 | K |
| 9.3 | 7 | 21.1 | 10.4 | | 9.5 | | 54.0 | 18.9 | | 9.5 | | 51.7 | 28.3 | | 9.2 | 41 | 14.0 | 32.9 | *b* | 9.3 | | 55.8 | 34.9 | *aB* |
| 9.5 | | 33.3 | 4.6 | | 9.3 | 40 | 47.7 | 58.9 | | 8.9 | 9 | 56.5 | 16.3 | B | 9.5 | | 36.8 | 59.0 | | 9.5 | 5 | 9.5 | 2.2 | |
| 9.1 | | 51.5 | 40.7 | *b* | 8.7 | 41 | 24.7 | 52.1 | L | 9.1 | | 57.0 | 17.3 | | 9.5 | | 58.0 | 38.7 | | 8.7 | | 16.2 | 52.2 | K |
| 9.3 | | 53.2 | 56.6 | | 9.5 | 42 | 9.2 | 48.4 | B | 9.0 | 10 | 33.1 | 19.5 | | 9.5 | 42 | 0.4 | 45.2 | | 9.5 | 6 | 25.8 | 38.6 | |
| 9.0 | 8 | 40.1 | 4.8 | K | 7.3 | | 14.0 | 42.7 | K | 7.3 | 11 | 34.0 | 55.7 | K | 9.1 | | 32.7 | 3.1 | | 9.5 | | 47.3 | 57.9 | |
| 9.3 | 9 | 48.4 | 14.7 | | 9.3 | 43 | 28.3 | 4.9 | | 9.5 | | 52.2 | 23.5 | | 9.5 | 43 | 24.2 | 4.2 | | 9.5 | 8 | 4.0 | 13.9 | |
| 9.2 | | 49.6 | 6.2 | | 8.2 | | 39.5 | 13.8 | K | 9.5 | 12 | 1.3 | 50.0 | | 9.5 | 44 | 18.3 | 21.8 | | 9.4 | | 15.8 | 31.4 | |
| 8.8 | 10 | 27.0 | 5.5 | | 9.0 | | 41.0 | 33.4 | L | 9.3 | | 12.7 | 0.1 | | 9.0 | | 29.7 | 44.9 | K | 9.5 | | 29.9 | 35.4 | *aB* |
| 7.5 | | 32.3 | 15.7 | *Kb* | 9.1 | 44 | 30.5 | 59.1 | | 9.5 | | 31.9 | 54.4 | | 9.5 | | 32.0 | 55.4 | | 9.5 | | 34.4 | 33.7 | |
| 9.3 | 11 | 0.7 | 21.9 | K | 9.1 | 45 | 19.2 | 58.9 | K | 9.4 | | 35.2 | 22.1 | *aB* | 9.0 | | 32.4 | 37.4 | L | 3.0 | 9 | 39.6 | 51.7 | K |
| 9.2 | | 14.0 | 14.2 | | 9.0 | | 50.0 | 34.1 | | 9.5 | 13 | 11.3 | 9.7 | | 9.5 | | 48.0 | 36.0 | | 8.5 | | 48.5 | 51.4 | K |
| 9.1 | | 36.6 | 37.0 | K | 9.5 | 47 | 18.7 | 23.3 | | 9.4 | | 47.0 | 2.2 | | 9.0 | | 59.4 | 33.6 | K | 9.3 | 10 | 11.9 | 55.3 | K |
| 8.5 | | 39.8 | 32.3 | *aK* | 8.0 | | 39.0 | 32.7 | K | 8.7 | 14 | 9.7 | 57.4 | L | 9.2 | 45 | 59.0 | 10.2 | K | 8.9 | | 26.7 | 15.7 | K |
| 9.5 | 12 | 46.5 | 57.0 | | 9.5 | 49 | 1.0 | 28.2 | | 9.2 | | 19.5 | 34.2 | *aBb* | 8.4 | 46 | 41.1 | 2.1 | L | 9.3 | | 48.5 | 47.0 | |
| 9.2 | 13 | 14.7 | 30.8 | K | 9.3 | | 11.7 | 8.7 | | 9.5 | | 33.0 | 23.9 | | 9.4 | | 45.2 | 7.7 | | 9.5 | 11 | 42.1 | 12.7 | |
| 9.3 | | 16.5 | 47.0 | | 9.5 | | 43.5 | 39.9 | | 8.2 | | 45.0 | 57.6 | K | 7.0 | | 52.0 | 16.7 | K | 9.5 | | 44.7 | 28.0 | |
| 9.4 | | 26.9 | 3.0 | | 9.3 | 50 | 32.7 | 22.4 | | 9.2 | 15 | 2.2 | 51.7 | K | 9.5 | 47 | 33.3 | 21.1 | B | 9.5 | 12 | 16.6 | 3.0 | |
| 9.0 | | 53.7 | 29.5 | *Kb* | 9.0 | 51 | 8.0 | 31.0 | K | 9.5 | | 23.9 | 13.5 | | 9.5 | 48 | 30.9 | 17.0 | | 9.5 | | 22.1 | 10.9 | |
| 9.4 | 14 | 37.9 | 28.0 | | 7.7 | | 32.5 | 18.2 | K | 9.5 | | 32.2 | 39.3 | | 7.5 | 49 | 19.8 | 24.9 | L | 9.5 | | 31.3 | 21.2 | |
| 9.5 | | 50.9 | 38.7 | | 9.0 | | 44.7 | 28.2 | K | 9.5 | 16 | 11.1 | 55.3 | | 8.5 | | 25.0 | 33.3 | *b* | 9.1 | | 42.9 | 15.7 | |
| 9.0 | 15 | 38.4 | 18.2 | B | 9.5 | 52 | 2.0 | 33.7 | | 7.3 | | 24.9 | 11.0 | L | 9.0 | 50 | 20.5 | 11.1 | K | 9.5 | 13 | 6.4 | 37.0 | |
| 9.5 | 17 | 5.0 | 15.7 | | 9.5 | 53 | 49.3 | 4.3 | | 9.2 | | 26.7 | 6.1 | | 9.1 | 51 | 9.5 | 22.5 | | 9.1 | | 23.5 | 23.3 | *b* |
| 9.5 | | 38.2 | 57.3 | | 9.1 | | 59.8 | 59.6 | K | 8.8 | | 51.7 | 39.0 | B | 9.2 | | 42.6 | 21.9 | | 6.8 | | 38.5 | 3.5 | *Kb* |
| 9.5 | | 54.8 | 2.8 | | 8.0 | 54 | 41.2 | 11.7 | K | 9.5 | 17 | 28.5 | 32.3 | | 9.5 | | 50.0 | 8.5 | | 9.3 | 14 | 9.0 | 44.3 | |
| 9.3 | 19 | 27.5 | 11.2 | *aB* | 8.4 | 55 | 9.5 | 17.1 | K | 8.8 | | 29.0 | 2.7 | *Kb* | 9.5 | | 59.7 | 24.2 | | 9.5 | | 24.6 | 39.4 | |
| 8.8 | | 54.3 | 20.4 | | 9.4 | | 10.4 | 4.6 | | 9.0 | 18 | 37.0 | 44.8 | | 9.1 | 52 | 34.4 | 32.2 | K | 9.5 | | 40.9 | 52.9 | |
| 9.5 | 20 | 28.0 | 28.8 | | 9.3 | | 18.7 | 31.9 | *B* | 8.4 | 19 | 5.2 | 27.8 | L | 9.5 | | 45.0 | 33.6 | | 9.1 | 15 | 2.8 | 16.9 | L |
| 9.5 | | 58.7 | 3.2 | | 9.0 | | 32.7 | 31.6 | B | 9.5 | | 14.3 | 41.6 | | 9.3 | | 59.6 | 41.5 | K | 9.2 | | 27.8 | 19.5 | K |
| 8.7 | 21 | 3.2 | 45.4 | K | 9.3 | | 34.1 | 32.6 | K | 8.7 | | 19.8 | 16.9 | K | 9.3 | 53 | 6.8 | 8.9 | *aB* | 9.1 | | 34.5 | 50.8 | |
| 8.3 | | 18.9 | 20.5 | *Kb* | 9.2 | 56 | 4.5 | 43.0 | | 9.5 | | 35.9 | 43.7 | | 9.5 | | 20.3 | 22.2 | | 5.5 | 16 | 0.4 | 26.7 | *Kb* |
| 8.4 | 22 | 5.3 | 57.8 | L | 7.7 | | 50.2 | 31.4 | K | 9.5 | | 36.4 | 25.5 | | 9.5 | | 36.9 | 22.5 | | 9.2 | | 4.8 | 35.1 | L |
| 8.7 | | 50.0 | 55.0 | K | 9.5 | 57 | 4.5 | 12.8 | | 9.5 | | 39.0 | 32.0 | | 9.3 | | 43.5 | 43.9 | K | 9.2 | | 7.8 | 23.4 | K |
| 8.1 | 24 | 33.0 | 15.2 | K | 9.5 | | 11.7 | 46.4 | | 9.0 | 20 | 27.8 | 27.5 | *Kb* | 8.9 | 54 | 22.0 | 5.3 | | 9.3 | 17 | 57.7 | 3.2 | |
| 9.3 | | 59.2 | 40.2 | *aB* | 9.5 | | 17.5 | 9.6 | | 9.0 | | 59.5 | 50.2 | K | 8.8 | | 24.7 | 47.0 | K | 9.2 | 18 | 20.3 | 34.6 | |
| 9.5 | 25 | 53.5 | 59.2 | | 9.5 | | 17.9 | 3.4 | | 8.2 | 21 | 35.9 | 37.5 | *Kb* | 8.8 | | 36.5 | 32.2 | B | 9.2 | 19 | 25.7 | 38.3 | K |
| 9.0 | 26 | 32.7 | 16.5 | | 9.5 | | 49.6 | 57.0 | *aB* | 9.5 | 22 | 34.9 | 42.3 | | 9.0 | 55 | 42.9 | 47.3 | K | 9.4 | | 52.6 | 49.8 | *aB* |
| 9.1 | | 57.8 | 9.0 | L | 9.4 | 58 | 24.2 | 26.1 | | 9.3 | 23 | 59.5 | 4.7 | | 9.5 | | 47.4 | 55.4 | | 9.4 | | 58.2 | 20.5 | |
| 7.8 | 27 | 12.4 | 5.3 | L | 9.4 | | 49.2 | 9.6 | | 9.5 | 25 | 14.4 | 58.3 | | 9.5 | | 51.1 | 26.7 | | 9.1 | 20 | 9.8 | 0.3 | B |
| 9.0 | | 28.9 | 57.1 | K | 8.9 | | 55.1 | 5.6 | K | 8.5 | | 15.6 | 43.7 | L | 9.5 | 56 | 3.9 | 4.3 | | 9.0 | | 32.7 | 37.7 | |
| 9.1 | | 32.0 | 12.7 | L | 9.5 | 0 | 4.0 | 27.2 | | 8.5 | 26 | 15.9 | 51.0 | K | 9.5 | | 24.5 | 56.7 | | 9.4 | 21 | 7.0 | 10.6 | |
| 9.5 | | 51.2 | 21.7 | | 9.5 | | 21.8 | 30.7 | | 9.5 | 27 | 13.3 | 59.8 | | 9.0 | | 26.9 | 28.3 | L | 9.5 | 22 | 9.1 | 37.0 | |
| 8.6 | | 58.0 | 53.9 | K | 9.3 | | 49.7 | 17.2 | | 9.5 | | 48.9 | 33.3 | | 7.1 | | 35.0 | 50.8 | K | 9.0 | | 48.5 | 50.1 | |
| 9.3 | 28 | 15.5 | 22.1 | | 9.1 | 1 | 2.7 | 30.2 | *Kb* | 6.8 | 28 | 1.8 | 10.6 | K | 9.5 | | 46.3 | 14.2 | | 8.2 | 24 | 11.2 | 6.7 | *Kb* |
| 9.2 | | 15.5 | 58.2 | | 9.5 | | 4.3 | 56.0 | B | 9.2 | | 2.0 | 49.1 | *b* | 9.3 | | 50.3 | 50.7 | B | 8.7 | | 29.2 | 50.1 | *Kb* |
| 9.5 | 29 | 42.1 | 44.0 | | 8.8 | 2 | 30.5 | 38.2 | *Lb* | 9.4 | 29 | 2.1 | 55.2 | | 9.2 | 57 | 29.8 | 54.0 | K | 8.3 | | 37.0 | 44.6 | K |
| 9.3 | 30 | 23.1 | 30.9 | *aBb* | 9.4 | 3 | 27.3 | 5.2 | B | 9.5 | 30 | 28.6 | 53.7 | | 9.4 | 58 | 9.8 | 45.3 | | 8.3 | 25 | 39.2 | 5.8 | K |
| 8.7 | 32 | 41.0 | 29.3 | K | 9.5 | | 34.2 | 52.0 | | 9.0 | | 44.5 | 55.3 | K | 9.5 | | 29.0 | 8.2 | | 9.5 | | 45.1 | 55.5 | B |
| 9.5 | | 57.9 | 1.9 | | 9.5 | | 41.0 | 5.3 | B | 9.5 | 32 | 14.4 | 37.8 | | 8.6 | 0 | 23.1 | 29.2 | L | 8.8 | 26 | 17.0 | 1.0 | K |
| 9.3 | 33 | 13.4 | 9.7 | | 9.3 | 4 | 6.4 | 2.1 | | 9.5 | | 17.8 | 4.7 | | 9.3 | | 57.0 | 5.3 | | 9.0 | | 56.9 | 12.6 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 27.88 | 3.17 | | 10pr. | | 26.57 | 2.95 | | 10pr. | | 25.77 | 2.77 | | 10pr. | | 24.76 | 2.47 | | 10pr. | | 24.12 | 2.23 | |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ª | | +33° | | | 15ª—16ª | | +33° | | | 16ª | | +33° | | | 16ª—17ª | | +33° | | | 17ª | | +33° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 27 | 42.9 | 34.3 | | 9.5 | 54 | 29.8 | 8.2 | | 8.6 | 17 | 44.5 | 11.1 | | 9.5 | 41 | 33.5 | 9.5 | | 8.0 | 4 | 19.2 | 14.7 | K |
| 9.3 | 28 | 20.2 | 48.3 | | 9.5 | | 54.2 | 41.5 | | 8.7 | 18 | 2.9 | 42.7 | K | 8.4 | | 45.6 | 4.7 | Kb | 8.2 | | 31.1 | 57.1 | K |
| 9.2 | | 44.5 | 36.0 | aBb | 5.7 | 55 | 31.0 | 44.6 | Kb | 9.4 | | 17.5 | 29.6 | B | 9.5 | 42 | 16.5 | 4.7 | | 9.5 | | 54.0 | 2.0 | |
| 9.2 | 29 | 8.3 | 46.2 | | 9.3 | | 44.0 | 18.8 | | 9.5 | | 45.7 | 27.8 | | 9.5 | 43 | 35.0 | 18.4 | | 9.5 | 5 | 10.2 | 21.1 | |
| 9.4 | | 16.9 | 55.8 | | 9.5 | | 45.8 | 5.8 | | 9.5 | | 48.6 | 59.2 | | 9.5 | | 56.1 | 56.5 | | 9.5 | | 28.3 | 0.5 | |
| 9.5 | 30 | 31.9 | 29.7 | | 9.4 | 56 | 15.3 | 55.6 | | 9.2 | | 54.0 | 38.0 | aB | 8.2 | 44 | 15.6 | 3.1 | K | 9.4 | | 31.7 | 13.2 | |
| 9.0 | 31 | 9.6 | 3.6 | L | 9.5 | | 34.0 | 39.4 | | 9.4 | 19 | 8.1 | 10.3 | | 9.5 | | 42.2 | 2.2 | | 8.5 | | 47.7 | 26.1 | |
| 9.4 | | 30.0 | 9.0 | | 9.0 | 57 | 5.7 | 49.7 | | 9.5 | | 38.0 | 5.0 | | 9.4 | | 57.5 | 28.6 | | 9.4 | | 55.2 | 15.0 | |
| 9.1 | | 42.3 | 17.3 | L | 9.2 | | 11.0 | 34.9 | b | 9.2 | 20 | 11.9 | 13.5 | K | 8.3 | 45 | 39.3 | 50.9 | B | 8.6 | 6 | 5.6 | 7.8 | K |
| 9.0 | | 57.5 | 4.9 | L | 9.5 | | 29.8 | 8.6 | | 9.4 | | 58.8 | 52.2 | B | 9.5 | | 57.0 | 34.5 | | 9.1 | | 22.1 | 11.0 | K |
| 8.7 | 33 | 35.8 | 22.0 | K | 7.9 | 59 | 29.6 | 33.0 | B | 9.5 | | 58.8 | 58.1 | B | 9.1 | 46 | 1.1 | 11.1 | b | 9.0 | 7 | 5.3 | 31.7 | Kb |
| 9.5 | | 40.0 | 58.3 | | 8.9 | | 31.3 | 51.0 | B | 9.0 | 22 | 24.7 | 30.4 | Kb | 9.4 | | 58.0 | 35.1 | | 9.0 | | 11.5 | 21.8 | K |
| 9.3 | | 40.9 | 21.2 | K | 9.4 | | 43.8 | 6.8 | B | 7.2 | | 27.8 | 1.8 | Kb | 9.4 | 47 | 16.0 | 55.3 | B | 9.5 | | 12.7 | 28.2 | |
| 9.4 | 34 | 11.0 | 8.0 | | 9.4 | 0 | 9.1 | 35.9 | aB | 9.2 | 23 | 22.2 | 15.5 | K | 9.2 | | 26.3 | 56.6 | B | 9.5 | | 27.4 | 11.4 | |
| 9.4 | | 50.5 | 20.1 | | 9.5 | | 10.1 | 35.5 | aB | 9.5 | | 43.4 | 35.9 | | 9.2 | | 27.6 | 5.1 | | 8.5 | | 42.3 | 6.8 | K |
| 9.5 | | 53.7 | 49.4 | | 9.4 | | 18.3 | 5.2 | B | 9.4 | | 45.9 | 49.0 | | 9.5 | | 49.2 | 24.4 | | 9.3 | | 59.8 | 56.5 | |
| 8.7 | 35 | 3.4 | 13.9 | K | 9.5 | 1 | 37.7 | 50.8 | | 9.2 | 24 | 4.2 | 25.9 | K | 9.5 | | 51.2 | 32.0 | | 9.3 | 9 | 1.4 | 24.5 | K |
| 9.4 | | 13.7 | 56.6 | | 9.0 | | 43.8 | 28.1 | | 9.5 | | 30.1 | 7.7 | | 9.0 | 48 | 10.3 | 51.5 | | 9.5 | | 34.4 | 32.3 | |
| 9.5 | | 40.0 | 17.6 | | 8.9 | | 59.8 | 4.3 | K | 8.0 | | 36.9 | 43.8 | K | 9.5 | | 44.6 | 4.8 | | 9.3 | | 59.9 | 24.1 | K |
| 9.1 | | 42.4 | 59.8 | aBb | 9.4 | 2 | 9.8 | 50.4 | | 9.0 | | 58.2 | 3.8 | K | 9.5 | | 54.3 | 56.3 | | 9.3 | 10 | 54.1 | 7.5 | |
| 9.5 | 36 | 15.0 | 28.2 | | 9.5 | | 24.8 | 58.7 | | 9.5 | | 59.9 | 48.4 | | 9.5 | 49 | 36.2 | 10.4 | | 9.5 | 11 | 36.9 | 32.7 | |
| 9.0 | | 16.0 | 50.0 | K | 9.5 | | 25.7 | 5.7 | | 7.1 | 26 | 3.6 | 50.1 | Kb | 9.5 | | 37.7 | 50.7 | | 9.4 | | 47.5 | 3.8 | |
| 9.4 | | 33.4 | 24.5 | aB | 9.2 | | 33.7 | 54.5 | B | 9.5 | | 38.5 | 35.0 | | 9.5 | 50 | 22.9 | 10.7 | | 9.4 | | 51.0 | 56.8 | |
| 9.3 | 37 | 8.4 | 11.3 | | 9.5 | 3 | 58.0 | 1.1 | | 9.3 | 27 | 13.3 | 42.1 | | 8.9 | 51 | 34.4 | 56.9 | B | *var* | | 58.2 | 14.9 | Lb |
| 9.5 | | 49.9 | 0.5 | aB | 9.2 | 4 | 10.6 | 26.3 | b | 9.5 | 28 | 36.8 | 53.8 | | 8.1 | 52 | 50.3 | 55.4 | K | 9.4 | 12 | 21.5 | 13.9 | |
| 9.5 | 38 | 31.0 | 24.9 | | 9.3 | | 24.4 | 0.1 | | 9.5 | | 54.6 | 30.1 | | 9.3 | 53 | 0.7 | 47.3 | | 9.2 | | 24.9 | 10.2 | |
| 9.5 | 40 | 13.4 | 54.2 | | 9.2 | | 51.9 | 41.4 | | 9.3 | 29 | 22.0 | 32.1 | B | 9.2 | | 17.4 | 28.0 | Bb | 9.5 | | 25.4 | 7.4 | |
| 9.4 | | 58.1 | 14.7 | aB | 9.5 | 5 | 10.3 | 23.8 | B | 8.2 | | 33.6 | 30.6 | K | 9.4 | | 35.6 | 17.5 | B | 9.0 | | 41.1 | 33.4 | |
| 9.5 | 41 | 5.0 | 48.4 | | 9.1 | | 10.8 | 37.5 | | 9.2 | | 33.9 | 42.1 | | 9.5 | | 42.2 | 18.8 | | 9.3 | | 47.0 | 55.7 | |
| 9.2 | | 57.6 | 41.1 | b | 9.4 | | 16.0 | 15.4 | | 8.9 | 30 | 22.4 | 54.5 | | 9.3 | 54 | 17.4 | 25.8 | | 9.5 | 13 | 24.9 | 44.4 | |
| 8.0 | 42 | 5.3 | 27.6 | K | 9.5 | | 24.6 | 48.7 | | 9.5 | | 43.4 | 37.1 | | 9.3 | | 24.3 | 13.9 | | 7.8 | | 26.8 | 0.9 | K |
| 9.5 | | 32.7 | 52.8 | | 9.4 | | 37.7 | 55.1 | | 9.5 | 32 | 4.8 | 7.9 | | 9.3 | | 56.9 | 59.9 | | 9.5 | 14 | 6.9 | 45.4 | |
| 9.4 | | 38.0 | 50.0 | | 9.4 | | 47.3 | 58.3 | | 9.3 | | 37.4 | 59.2 | B | 9.4 | 55 | 32.0 | 56.5 | | 9.5 | | 11.0 | 0.8 | B |
| 9.5 | 43 | 5.6 | 6.8 | | 9.4 | | 55.5 | 0.5 | | 9.1 | | 50.9 | 46.0 | K | 9.3 | | 32.9 | 36.6 | | 8.6 | | 23.9 | 20.1 | Kb |
| 8.8 | | 11.3 | 15.3 | K | 9.5 | | 58.2 | 35.5 | | 9.5 | | 54.2 | 7.5 | | 9.1 | 56 | 0.9 | 42.7 | | 8.3 | | 31.4 | 34.8 | K |
| 9.5 | | 28.2 | 13.6 | | 6.8 | 6 | 7.5 | 43.1 | K | 8.5 | 33 | 9.9 | 48.1 | K | 9.3 | | 12.4 | 12.9 | B | 9.5 | 15 | 20.8 | 1.1 | |
| 9.5 | 44 | 28.8 | 0.3 | | 9.0 | | 34.4 | 25.3 | B | 8.9 | | 17.9 | 32.9 | L | 5.1 | | 14.6 | 47.9 | Kb | 9.0 | | 53.5 | 59.7 | |
| 8.8 | | 50.2 | 4.9 | K | 7.8 | | 43.7 | 2.2 | K | 9.2 | | 32.7 | 22.5 | B | 8.8 | | 37.2 | 32.3 | | 9.2 | 16 | 2.4 | 19.7 | K |
| 9.1 | 45 | 0.9 | 5.3 | B | 8.7 | 7 | 13.3 | 36.4 | K | 9.5 | | 34.2 | 32.3 | | 9.2 | | 39.5 | 9.0 | | 9.4 | | 7.3 | 23.8 | |
| 9.2 | | 24.4 | 4.0 | B | 9.5 | | 15.2 | 58.3 | | 9.5 | | 36.0 | 6.0 | | 8.8 | 58 | 38.7 | 19.7 | | 9.3 | | 10.2 | 4.2 | B |
| 8.5 | | 48.6 | 35.6 | K | 9.5 | | 31.3 | 54.2 | | 9.4 | | 39.2 | 10.8 | B | 9.0 | | 40.9 | 18.2 | | 9.3 | | 46.7 | 5.4 | |
| 9.5 | 46 | 20.0 | 23.2 | | 9.1 | | 59.1 | 10.4 | | 8.7 | | 44.2 | 42.6 | K | 8.8 | 59 | 0.9 | 14.5 | K | 8.0 | 17 | 20.9 | 34.0 | K |
| 8.7 | | 23.1 | 4.4 | K | 9.5 | 8 | 10.2 | 31.8 | | 9.4 | 34 | 4.4 | 8.3 | | 9.5 | | 2.2 | 49.5 | | 9.5 | | 40.6 | 8.3 | |
| 9.5 | | 43.5 | 30.4 | | 8.8 | 9 | 51.8 | 41.5 | | 8.7 | | 6.3 | 59.5 | K | 9.3 | | 3.5 | 25.7 | B | 9.0 | | 41.3 | 49.7 | K |
| 9.2 | | 51.2 | 17.8 | aB | 9.5 | 10 | 1.3 | 58.0 | | 9.0 | | 11.5 | 44.0 | | 9.1 | 0 | 12.1 | 6.3 | | 8.5 | | 44.7 | 55.9 | Kb |
| 9.5 | 47 | 37.5 | 28.0 | | 9.5 | | 27.5 | 46.8 | | 9.1 | | 55.9 | 18.2 | b | 9.1 | | 15.2 | 55.5 | b | 9.5 | | 57.3 | 8.7 | |
| 9.4 | 48 | 27.3 | 31.1 | | 9.4 | 11 | 27.7 | 41.4 | | 9.5 | 35 | 36.9 | 33.6 | | 9.0 | | 43.5 | 24.1 | K | 9.0 | 18 | 26.4 | 35.1 | |
| 9.5 | 49 | 50.0 | 48.3 | | 9.1 | | 48.0 | 30.4 | b | 9.5 | | 39.4 | 54.8 | | 9.5 | 1 | 4.6 | 48.5 | | 9.4 | | 29.9 | 14.8 | |
| 9.5 | 50 | 57.1 | 12.0 | | 8.7 | 12 | 54.2 | 23.6 | | 9.3 | | 52.9 | 34.6 | B | 9.5 | | 56.2 | 55.9 | | 9.5 | 19 | 1.9 | 20.7 | |
| 9.4 | 51 | 14.6 | 9.7 | | 9.5 | 13 | 13.6 | 49.0 | aB | 9.4 | 36 | 19.1 | 35.9 | | 9.1 | 2 | 1.5 | 16.2 | | 9.5 | | 12.7 | 56.3 | |
| 9.3 | | 38.9 | 52.3 | | 9.5 | | 42.0 | 49.7 | | 7.5 | | 36.2 | 23.6 | K | 9.0 | | 26.8 | 2.5 | | 9.5 | | 19.5 | 50.2 | |
| 9.5 | | 52.3 | 54.1 | | 9.3 | 14 | 20.2 | 9.8 | a | 9.1 | 37 | 18.0 | 10.2 | K | 9.1 | | 48.9 | 31.8 | aB | 9.3 | 20 | 6.4 | 51.3 | |
| 9.5 | | 53.5 | 59.3 | | 9.1 | | 25.3 | 53.6 | K | 9.1 | | 39.6 | 6.3 | K | 9.4 | 3 | 6.6 | 31.4 | | 9.0 | | 23.6 | 5.9 | K |
| 9.0 | 52 | 31.3 | 27.7 | | 8.7 | | 46.0 | 24.2 | K | 9.5 | 38 | 40.2 | 23.7 | | 8.4 | | 26.2 | 24.7 | L | 8.7 | 21 | 2.1 | 55.7 | K |
| 9.5 | | 48.6 | 48.0 | | 9.2 | | 58.7 | 7.1 | K | 8.8 | 39 | 20.6 | 34.7 | K | 7.5 | | 31.7 | 29.8 | L | 9.5 | | 30.9 | 26.1 | |
| 9.5 | 53 | 22.9 | 55.5 | | 9.3 | | 59.7 | 54.1 | K | 9.5 | | 27.9 | 29.6 | | 8.2 | | 35.2 | 50.7 | | 9.2 | | 43.9 | 22.1 | b |
| 9.5 | | 33.4 | 10.0 | | 9.2 | 15 | 18.2 | 15.8 | K | 8.4 | | 42.9 | 45.0 | K | 8.8 | | 47.2 | 38.7 | | 9.3 | 22 | 3.4 | 5.3 | |
| 9.4 | | 38.0 | 37.6 | | 9.0 | 16 | 31.1 | 1.5 | K | 9.5 | | 57.1 | 57.6 | B | 9.0 | | 52.7 | 40.7 | | 9.5 | | 8.7 | 13.2 | |
| 9.5 | 54 | 8.3 | 8.8 | | 9.5 | 17 | 29.0 | 22.4 | | 9.5 | 40 | 48.1 | 54.0 | B | 9.5 | 4 | 2.2 | 48.3 | | 9.2 | | 58.3 | 8.4 | K |
| 9.5 | | 14.7 | 44.2 | | 9.0 | | 30.1 | 27.9 | B | 9.5 | 41 | 4.7 | 59.2 | | 7.2 | | 15.2 | 33.2 | L | 7.7 | 23 | 45.8 | 52.1 | L |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 23.43 | 1.90 | | 10pr. | | 22.95 | 1.60 | | 10pr. | | 22.53 | 1.27 | | 10pr. | | 22.23 | 0.95 | | 10pr. | | 22.05 | 0.67 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵐ | | +33° | | | 17ᵐ | | +33° | | | 17ᵐ—18ᵐ | | +33° | | | 18ᵐ | | +33° | | | 18ᵐ | | +33° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 8.8 | 24 | 54.3 | 2.7 | | 9.3 | 43 | 45.5 | 4.5 | | 9.0 | 59 | 43.9 | 38.9 | | 9.0 | 15 | 39.8 | 21.1 | B | 9.5 | 29 | 11.4 | 59.0 | |
| 9.3 | | 56.3 | 11.6 | | 8.5 | 44 | 4.4 | 14.8 | K | 8.7 | 0 | 22.4 | 30.3 | K | 9.4 | | 41.1 | 57.3 | | 9.5 | | 59.0 | 54.1 | |
| 9.4 | 25 | 25.5 | 11.9 | | 8.9 | | 5.4 | 11.4 | K | 9.4 | | 23.7 | 12.5 | | 9.5 | | 49.9 | 1.6 | | 9.5 | 30 | 2.2 | 47.2 | |
| 9.4 | | 35.0 | 7.7 | | 9.4 | | 27.3 | 30.4 | | 9.0 | | 27.4 | 35.1 | K | 9.1 | | 50.7 | 51.7 | Bb | 9.5 | | 13.4 | 34.1 | B |
| 9.5 | | 39.0 | 8.5 | | 9.1 | | 38.8 | 31.2 | αBb | 9.4 | | 51.9 | 24.9 | | 9.5 | 16 | 14.4 | 20.4 | | 9.5 | | 20.6 | 34.3 | |
| 8.4 | | 39.0 | 0.0 | K | 9.5 | | 38.9 | 44.4 | | 9.5 | 1 | 9.9 | 11.7 | | 9.4 | | 22.6 | 34.0 | B | 9.0 | | 25.0 | 58.7 | B |
| 9.0 | 26 | 39.4 | 28.9 | Kb | 9.5 | | 58.9 | 25.2 | | 8.8 | 2 | 4.3 | 59.5 | B | 9.5 | | 25.0 | 21.0 | B | 9.5 | | 27.0 | 58.0 | |
| 9.5 | | 47.3 | 30.8 | α | 9.5 | 45 | 19.4 | 24.8 | | 9.3 | | 14.4 | 19.3 | | 9.5 | | 35.1 | 18.6 | | 9.5 | | 38.2 | 44.9 | |
| 9.4 | | 55.9 | 11.5 | | 9.3 | | 25.0 | 40.6 | | 9.1 | | 44.7 | 7.5 | K | 9.2 | | 46.6 | 31.2 | B | 9.5 | | 40.2 | 44.4 | |
| 9.3 | 27 | 22.9 | 55.1 | | 9.4 | 46 | 3.4 | 23.0 | | 9.1 | | 45.2 | 45.7 | | 8.5 | 17 | 17.0 | 32.7 | K | 9.1 | 31 | 1.5 | 22.9 | αB |
| 9.4 | | 41.7 | 42.6 | | 9.4 | | 4.4 | 28.3 | | 8.7 | 3 | 13.4 | 12.8 | K | 8.5 | | 17.5 | 11.6 | K | 9.4 | | 2.4 | 12.1 | |
| 9.4 | | 53.9 | 58.7 | | 9.5 | | 12.6 | 53.9 | | 9.2 | | 16.4 | 11.4 | K | 9.5 | | 58.3 | 35.8 | | 9.1 | | 4.1 | 8.4 | K |
| 9.5 | 28 | 9.9 | 43.4 | | 9.1 | | 16.9 | 24.8 | b | 9.2 | | 35.9 | 31.4 | b | 9.5 | 18 | 23.1 | 52.4 | | 9.5 | | 6.5 | 57.5 | |
| 9.3 | | 52.4 | 31.0 | | 9.5 | | 24.7 | 5.4 | | 9.5 | | 51.8 | 15.0 | | 9.3 | | 54.8 | 50.0 | | 5.8 | | 19.2 | 21.0 | K |
| 9.5 | 29 | 1.2 | 53.7 | | 7.0 | | 48.0 | 55.4 | L | 9.4 | | 55.7 | 4.3 | | 8.1 | 19 | 22.5 | 6.1 | Lb | 9.3 | | 32.3 | 23.8 | |
| 9.1 | | 6.1 | 18.8 | αBb | 8.5 | | 49.7 | 57.0 | B | 9.3 | | 59.1 | 18.5 | B | 8.4 | | 26.0 | 44.7 | K | 8.3 | | 37.0 | 6.9 | K |
| 9.0 | | 48.4 | 19.3 | | 9.5 | 47 | 24.4 | 54.4 | | 9.4 | 4 | 31.4 | 21.4 | | 8.5 | 20 | 26.5 | 22.7 | | 9.5 | | 39.8 | 11.2 | B |
| 9.5 | | 57.9 | 22.0 | | 9.2 | 48 | 9.9 | 24.1 | b | 9.4 | | 40.9 | 26.3 | | 9.4 | | 34.0 | 49.9 | | 9.5 | 32 | 32.9 | 39.0 | |
| 9.5 | 30 | 39.3 | 1.2 | B | 9.3 | | 14.6 | 11.5 | αB | 8.2 | 5 | 12.0 | 57.6 | S | 8.5 | | 40.6 | 4.7 | Lb | 9.4 | | 59.6 | 49.9 | |
| 9.5 | 31 | 43.4 | 38.6 | | 9.5 | | 17.1 | 37.1 | | 8.7 | | 19.9 | 46.8 | | 9.3 | | 43.5 | 59.5 | | 8.7 | 33 | 1.2 | 10.1 | K |
| 8.1 | | 50.8 | 50.2 | B | 9.5 | 49 | 12.3 | 47.0 | | 9.2 | | 25.4 | 45.1 | α | 9.5 | | 56.7 | 22.4 | | 9.5 | | 10.0 | 59.4 | |
| 9.5 | 32 | 0.4 | 21.7 | | 9.5 | | 34.8 | 13.1 | | 9.0 | | 34.4 | 19.6 | | 9.4 | 21 | 58.0 | 12.0 | | 9.3 | | 12.9 | 17.7 | |
| 9.2 | | 6.4 | 17.0 | K | 9.5 | | 35.6 | 20.3 | | 9.4 | | 42.3 | 42.2 | | 9.4 | 22 | 30.5 | 7.9 | | 9.0 | | 22.0 | 42.9 | |
| 8.4 | 33 | 6.9 | 33.4 | | 8.7 | | 38.4 | 47.8 | b | 6.1 | 6 | 27.6 | 25.8 | K | 9.5 | | 38.7 | 54.5 | | 8.9 | | 34.5 | 37.0 | |
| 9.3 | | 40.2 | 0.4 | | 9.1 | | 44.1 | 59.2 | | 9.4 | | 39.0 | 16.8 | B | 9.3 | | 43.6 | 40.7 | | 8.7 | 34 | 18.2 | 45.4 | K |
| 9.5 | | 49.4 | 29.7 | | 9.5 | 50 | 2.4 | 34.5 | | 9.5 | | 41.8 | 52.9 | | 9.1 | 23 | 2.0 | 0.4 | αBb | 9.5 | | 22.3 | 10.4 | |
| 9.4 | | 51.4 | 45.5 | | 9.4 | | 6.5 | 3.4 | | 9.5 | | 51.5 | 40.6 | | 8.8 | | 4.3 | 36.5 | | 9.4 | | 29.9 | 41.7 | |
| 8.8 | | 57.6 | 42.0 | | 9.5 | | 10.9 | 28.9 | | 7.3 | | 53.3 | 15.0 | K | 9.3 | | 8.2 | 52.4 | | 9.1 | | 42.0 | 7.1 | K |
| 8.2 | 34 | 4.2 | 54.7 | L | 9.4 | | 29.0 | 10.2 | | 9.4 | 7 | 32.8 | 46.6 | | 8.9 | | 11.5 | 59.9 | | 9.5 | 35 | 2.9 | 17.5 | |
| 9.4 | | 17.7 | 2.3 | | 9.5 | | 32.5 | 27.5 | | 9.0 | | 38.1 | 15.9 | K | 9.4 | | 38.5 | 42.6 | | 9.1 | | 3.0 | 54.3 | |
| 9.0 | | 32.9 | 25.1 | K | 9.5 | | 52.0 | 12.8 | | 9.2 | 8 | 38.3 | 2.0 | | 9.5 | | 39.9 | 13.7 | | 7.3 | | 3.2 | 33.1 | L |
| 8.8 | | 44.6 | 26.8 | K | 9.4 | 51 | 20.9 | 46.1 | | 9.3 | | 44.1 | 18.4 | Kb | 9.5 | | 50.6 | 50.3 | | 9.1 | | 17.4 | 58.6 | K |
| 9.5 | | 45.8 | 57.8 | | 9.1 | | 49.4 | 22.1 | | 8.7 | | 51.1 | 24.9 | K | 9.5 | 24 | 3.7 | 27.1 | | 9.0 | | 29.9 | 52.8 | K |
| 9.5 | 35 | 26.4 | 45.1 | | 9.0 | 52 | 1.4 | 52.0 | | 8.7 | | 59.4 | 43.5 | K | 9.5 | | 4.3 | 28.6 | | 9.1 | | 38.6 | 49.6 | |
| 9.5 | | 43.4 | 52.0 | | 6.3 | | 6.4 | 26.5 | L | 9.5 | 9 | 6.7 | 10.0 | | 9.0 | | 23.6 | 2.7 | | 9.3 | | 45.8 | 52.1 | α |
| 9.4 | 36 | 0.3 | 0.8 | | 8.5 | | 8.9 | 49.3 | | 8.7 | | 11.2 | 46.2 | K | 9.4 | | 29.0 | 59.6 | | 9.3 | | 53.8 | 40.0 | |
| 9.4 | | 29.9 | 22.4 | | 7.8 | | 15.4 | 51.4 | L | 9.4 | | 53.6 | 18.5 | B | 9.5 | | 38.2 | 56.3 | | 9.2 | | 57.0 | 42.7 | |
| 9.5 | | 46.3 | 7.9 | | 9.0 | | 25.9 | 2.2 | | 9.3 | 10 | 20.0 | 18.0 | | 8.5 | | 55.8 | 16.0 | K | 9.4 | 36 | 5.1 | 8.9 | |
| 9.5 | | 46.4 | 25.9 | | 9.5 | 53 | 5.2 | 26.5 | | 9.3 | 11 | 3.9 | 52.6 | | 9.5 | 25 | 10.3 | 46.6 | | 9.5 | | 9.3 | 46.2 | |
| 8.3 | | 50.4 | 57.8 | Bb | 9.2 | | 5.2 | 30.6 | | 9.5 | | 9.4 | 2.5 | | 9.1 | | 41.5 | 1.9 | K | 7.7 | | 23.9 | 57.7 | K |
| 9.5 | 37 | 33.4 | 41.6 | | 9.4 | | 40.7 | 9.9 | | 9.5 | | 39.0 | 17.7 | | 8.2 | | 43.6 | 49.6 | L | 9.2 | | 24.8 | 5.4 | b |
| 7.0 | | 55.2 | 3.1 | K | 9.5 | | 56.8 | 12.5 | B | 7.2 | | 48.2 | 28.7 | K | 8.7 | | 44.9 | 17.5 | K | 9.5 | 37 | 42.5 | 44.4 | |
| 9.5 | 38 | 33.4 | 11.7 | | 9.5 | 54 | 36.4 | 3.2 | | 9.3 | 12 | 14.8 | 29.7 | | 9.1 | | 51.6 | 51.4 | αB | 9.3 | | 43.4 | 35.5 | |
| 6.5 | | 58.9 | 17.5 | K | 9.1 | | 47.2 | 29.0 | b | 8.9 | | 15.3 | 59.9 | K | 7.5 | | 58.1 | 32.1 | K | 9.4 | | 45.3 | 13.8 | |
| 8.8 | 39 | 17.0 | 53.1 | K | 9.3 | 55 | 6.9 | 53.0 | | 9.5 | | 34.3 | 23.0 | | 9.3 | 26 | 5.4 | 46.7 | | 9.5 | | 48.2 | 56.5 | |
| 9.2 | | 26.9 | 36.3 | B | 5.5 | | 17.4 | 13.5 | K | 9.5 | | 40.9 | 10.2 | | 8.3 | | 31.4 | 47.1 | K | 9.5 | 38 | 25.0 | 59.9 | |
| 9.5 | | 51.0 | 9.0 | | 9.0 | | 24.9 | 19.0 | | 9.5 | | 55.5 | 46.3 | | 8.5 | | 49.5 | 0.9 | K | 9.4 | | 38.4 | 27.1 | |
| 9.5 | 40 | 5.4 | 55.4 | | 9.2 | | 44.6 | 57.4 | | 9.3 | 13 | 0.4 | 58.1 | | 9.4 | | 51.2 | 17.0 | | 8.8 | | 48.7 | 16.9 | |
| 9.5 | | 10.9 | 13.9 | | 6.0 | 56 | 17.9 | 20.4 | K | 9.0 | | 4.2 | 10.4 | K | 8.7 | | 56.3 | 28.6 | K | 9.0 | | 51.2 | 21.6 | |
| 9.5 | | 29.4 | 19.7 | | 9.5 | | 27.9 | 27.3 | | 9.3 | | 14.6 | 30.0 | | 9.4 | 27 | 2.6 | 37.5 | | 8.0 | 39 | 13.1 | 50.9 | K |
| 9.5 | | 46.0 | 58.4 | | 9.1 | | 43.9 | 16.6 | K | 9.0 | | 31.1 | 3.8 | K | 9.3 | | 15.7 | 27.2 | | 8.6 | | 13.8 | 52.1 | B |
| 9.2 | | 51.6 | 34.8 | | 9.2 | 57 | 3.5 | 8.9 | K | 8.9 | | 46.9 | 59.1 | | 9.4 | | 21.4 | 28.6 | | 7.7 | | 32.8 | 2.5 | K |
| 9.2 | | 52.4 | 47.8 | | 8.8 | | 22.0 | 56.5 | | 8.0 | | 51.6 | 10.2 | K | 9.4 | | 29.5 | 48.8 | | 9 5 | | 45.6 | 2.9 | |
| 9.5 | 41 | 28.5 | 37.6 | B | 9.5 | | 33.0 | 8.5 | | 9.2 | | 51.6 | 20.5 | B | 9.0 | | 41.0 | 7.8 | K | 9.2 | | 51.0 | 6.9 | |
| 8.4 | | 45.6 | 42.3 | K | 8.8 | | 39.9 | 22.4 | | 9.0 | 14 | 12.1 | 31.5 | R | 8.5 | | 46.7 | 15.0 | K | 9.0 | 40 | 11.4 | 57.3 | |
| 9.5 | 42 | 9.0 | 0.1 | | 9.5 | | 43.0 | 12.0 | | 9 5 | | 32.4 | 27.6 | | 9.5 | | 54.1 | 54 5 | | 9.5 | | 27.2 | 9.8 | |
| 9.5 | | 30.9 | 46.8 | | 9.5 | | 44.4 | 44.0 | | 9.0 | | 38.1 | 40.5 | K | 9.2 | 28 | 3.6 | 2.9 | K | 8.8 | | 34.3 | 57.5 | K |
| 9.2 | | 43.5 | 4.3 | K | 9.4 | 58 | 15.7 | 59.2 | | 8.0 | 15 | 5.1 | 43.7 | K | 9.2 | | 47.8 | 51.6 | b | 9.0 | | 42.0 | 19.0 | |
| 9.5 | | 46.9 | 17.3 | | 7.2 | 59 | 34.2 | 15.9 | K | 9.5 | | 11.4 | 4.5 | | 9.5 | | 48.5 | 24.4 | | 9.1 | | 49.9 | 19.5 | αB |
| 8.2 | 43 | 5.1 | 51.7 | L | 9.5 | | 42.5 | 55.1 | | 9.5 | | 39.1 | 45.4 | | 9.4 | | 56.9 | 27.1 | | 9.0 | | 51.7 | 15.3 | |
| | | + | — | | | | + | — | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 21.92 | 0.37 | | 10pr. | | 21.88 | 0.14 | | 10pr. | | 21.88 | 0.12 | | 10pr. | | 21.91 | 0.34 | | 10pr. | | 21.97 | 0.51 | |

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18h | | +33° | | | 18h—19h | | +33° | | | 19h | | +33° | | | 19h | | +33° | | | 19h | | +33° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 41 | 20.4 | 57.6 | | 9.0 | 50 | 37.9 | 57.5 | | 9.5 | 0 | 54.1 | 3.7 | | 8.4 | 9 | 35.0 | 20.2 | | 8.8 | 18 | 4.4 | 45.4 | |
| 8.3 | | 31.0 | 7.6 | K | 8.3 | | 42.4 | 35.8 | K | 9.5 | 1 | 2.8 | 8.2 | | 9.4 | | 39.9 | 42.2 | B | 9.2 | | 13.2 | 51.6 | |
| 9.5 | | 55.6 | 53.3 | | 9.1 | | 43.4 | 0.3 | | 9.5 | | 13.5 | 41.3 | | 9.4 | | 40.0 | 26.6 | | 9.1 | | 22.0 | 38.7 | *b* |
| 9.5 | | 56.4 | 12.2 | | 9.3 | | 44.4 | 36.0 | | 8.0 | | 27.9 | 25.2 | L | 9.5 | | 44.5 | 28.8 | | 9.5 | | 54.3 | 31.4 | |
| 8.0 | | 58.8 | 56.5 | K | 9.2 | | 47.0 | 31.2 | | 8.2 | | 30.3 | 48.7 | L | 9.3 | | 46.6 | 23.9 | | 8.9 | 19 | 19.1 | 55.7 | K |
| 9.5 | 42 | 1.5 | 20.2 | | 9.0 | 51 | 2.7 | 27.1 | K | 9.2 | | 32.1 | 56.4 | | 8.7 | | 54.8 | 25.9 | | 9.5 | | 26.7 | 21.4 | |
| 9.5 | | 4.1 | 58.6 | B | 9.4 | | 19.5 | 43.8 | B | 9.5 | | 55.4 | 44.0 | | 9.0 | 10 | 17.0 | 59.0 | | 9.5 | | 41.3 | 30.7 | |
| 9.4 | | 41.8 | 27.9 | | 8.6 | | 55.9 | 57.7 | | 9.5 | | 59.1 | 57.7 | | 9.3 | | 21.9 | 43.9 | | 7.4 | 20 | 8.2 | 54.2 | K |
| 7.8 | 43 | 10.4 | 36.8 | B | 9.0 | 52 | 0.2 | 56.2 | | 9.5 | 2 | 21.3 | 49.2 | | 9.4 | | 46.4 | 41.7 | | 9.5 | | 10.5 | 20.9 | |
| 9.1 | | 13.5 | 43.7 | | 9.5 | | 12.4 | 12.3 | | 9.5 | | 37.6 | 38.9 | | 9.4 | | 48.6 | 34.3 | | 8.6 | | 57.6 | 59.7 | K |
| 9.4 | | 16.6 | 14.8 | | 8.8 | | 28.6 | 14.2 | | 9.4 | | 37.9 | 8.6 | B | 9.4 | | 49.7 | 3.7 | | 9.0 | 21 | 16.1 | 56.4 | K |
| 8.7 | | 25.8 | 51.8 | | 8.7 | | 34.7 | 39.2 | K | 9.5 | | 42.1 | 56.3 | | 9.3 | | 58.8 | 39.0 | | 9.1 | | 31.3 | 48.2 | |
| 8.2 | | 29.2 | 9.6 | K*b* | 9.2 | | 35.8 | 23.4 | a*B* | 8.5 | | 46.8 | 28.9 | K | 9.3 | 11 | 7.9 | 38.1 | B | 9.5 | | 31.7 | 54.4 | |
| 8.9 | | 57.0 | 58.5 | | 9.4 | | 37.5 | 30.8 | | 9.4 | 3 | 3.6 | 37.0 | | 9.5 | | 9.9 | 37.3 | | 9.4 | | 40.2 | 10.5 | |
| 7.5 | 44 | 6.1 | 32.3 | L | 9.3 | | 48.6 | 55.8 | | 9.3 | | 7.7 | 35.3 | | 8.9 | | 18.3 | 8.6 | K | 9.2 | | 43.2 | 13.3 | |
| 9.3 | | 7.7 | 27.6 | R | 9.2 | 53 | 13.0 | 54.8 | B | 9.1 | | 29.8 | 26.2 | K | 9.5 | | 20.1 | 8.6 | | 9.5 | | 47.0 | 40.7 | |
| 9.1 | | 8.9 | 5.9 | K | 9.5 | | 14.0 | 53.3 | | 9.3 | | 31.5 | 46.6 | | 9.5 | | 29.7 | 31.1 | | 8.8 | | 55.3 | 2.2 | |
| 9.4 | | 14.4 | 34.3 | | 9.3 | | 24.0 | 19.6 | | 9.5 | | 32.1 | 58.0 | | 8.9 | | 34.1 | 16.3 | | 9.0 | | 55.9 | 19.0 | B |
| 8.5 | | 25.9 | 38.5 | B | 9.5 | | 38.4 | 42.5 | | 9.1 | | 34.3 | 49.7 | K | 9.4 | | 36.3 | 42.3 | B | 9.5 | 22 | 5.3 | 22.3 | |
| 9.3 | | 26.2 | 50.4 | | 9.5 | | 47.5 | 37.0 | | 8.0 | | 41.3 | 0.6 | K | 9.5 | | 40.0 | 40.5 | | 9.5 | | 14.4 | 43.1 | |
| 9.5 | | 35.5 | 48.9 | | 9.4 | 54 | 3.6 | 26.6 | | 9.5 | | 47.1 | 3.4 | | 9.3 | | 50.8 | 27.9 | | 8.9 | | 17.1 | 56.5 | K |
| 9.4 | | 40.1 | 12.7 | | 9.5 | | 11.1 | 20.2 | | 9.2 | | 55.8 | 50.0 | B | 9.0 | | 58.2 | 13.1 | | 9.5 | | 18.3 | 7.6 | |
| var | | 44.4 | 12.2 | K | 7.9 | | 25.0 | 54.0 | K | 9.0 | 4 | 10.2 | 12.6 | | 8.3 | 12 | 49.7 | 53.0 | K | 7.4 | | 26.2 | 5.4 | K*b* |
| 8.5 | | 45.8 | 10.7 | K | 9.5 | | 46.9 | 2.4 | | 9.3 | | 10.3 | 35.8 | | 7.7 | 13 | 7.5 | 40.9 | K | 9.2 | | 36.6 | 34.3 | |
| 9.4 | | 45.9 | 13.3 | | 7.0 | 55 | 5.2 | 32.6 | K | 8.2 | | 13.3 | 5.0 | K | 9.5 | | 12.7 | 34.0 | | 9.2 | | 37.5 | 41.1 | |
| 9.5 | | 48.9 | 38.1 | | 9.2 | | 11.9 | 0.8 | a | 9.5 | | 29.8 | 58.7 | | 9.1 | | 24.8 | 7.5 | | 9.4 | | 54.3 | 4.0 | |
| 9.5 | 45 | 4.3 | 52.3 | | 6.8 | | 35.4 | 35.9 | K | 8.8 | | 54.4 | 2.4 | K | 9.2 | | 26.0 | 19.4 | | 9.5 | | 55.0 | 58.8 | |
| 9.5 | | 13.5 | 2.7 | | 8.9 | | 39.3 | 0.1 | | 9.5 | 5 | 1.7 | 45.9 | | 9.2 | | 36.5 | 2.1 | B | 9.5 | | 55.5 | 41.3 | |
| 9.0 | | 33.7 | 27.2 | K | 8.7 | | 41.2 | 21.3 | K | 9.5 | | 27.0 | 48.3 | | 6.8 | | 38.3 | 7.5 | L | 9.4 | 23 | 12.3 | 5.7 | |
| 9.5 | | 39.8 | 5.1 | | 9.3 | | 45.6 | 6.0 | | 7.6 | | 30.8 | 5.2 | K | 9.4 | | 39.0 | 3.4 | | 9.0 | | 35.7 | 31.4 | |
| 9.5 | | 52.6 | 49.4 | | 9.1 | | 50.2 | 14.8 | | 8.2 | | 33.6 | 38.0 | B | 9.1 | | 41.1 | 56.7 | K | 9.5 | | 37.5 | 39.0 | |
| 9.5 | | 54.2 | 9.6 | | 9.0 | 56 | 3.3 | 41.9 | K*b* | 9.4 | | 36.4 | 45.5 | | 9.5 | | 47.2 | 52.7 | | 9.4 | 24 | 0.0 | 29.2 | |
| 9.4 | | 59.6 | 55.8 | | 8.7 | | 12.9 | 52.7 | | 9.5 | | 59.3 | 8.4 | | 9.4 | | 49.4 | 44.3 | | 9.3 | | 0.3 | 30.5 | B |
| 9.4 | 46 | 3.4 | 0.2 | | 9.2 | | 15.1 | 9.1 | B | 9.1 | 6 | 1.3 | 0.6 | | 9.1 | | 55.1 | 14.1 | | 9.5 | | 1.9 | 29.2 | |
| 9.5 | | 3.8 | 42.5 | B | 7.1 | | 27.7 | 24.6 | K | 9.2 | | 4.3 | 8.4 | K | 9.3 | | 56.9 | 3.0 | | 9.4 | | 16.1 | 14.0 | |
| 9.1 | | 14.9 | 17.2 | | 9.5 | | 31.6 | 38.1 | B | 9.5 | | 8.5 | 31.6 | | 9.5 | 14 | 2.5 | 8.2 | | 9.5 | | 21.3 | 4.0 | |
| 9.5 | | 43.1 | 44.2 | | 9.5 | | 32.4 | 49.5 | | 9.2 | | 16.0 | 17.8 | | 9.3 | | 13.6 | 18.1 | B | 9.5 | | 27.7 | 9.3 | |
| 9.5 | | 43.6 | 26.6 | | 9.4 | | 43.0 | 14.8 | | 9.1 | | 25.4 | 43.5 | *b* | 9.5 | | 20.2 | 48.6 | | 9.5 | | 32.7 | 53.5 | |
| 9.4 | | 46.6 | 37.2 | | 9.5 | | 54.9 | 14.7 | | 9.0 | | 34.2 | 53.1 | | 8.2 | | 36.6 | 1.4 | B | 9.3 | | 41.6 | 34.5 | |
| 9.5 | | 52.3 | 34.0 | | 9.2 | 57 | 4.5 | 40.9 | | 9.5 | | 42.6 | 14.0 | | 9.5 | | 39.4 | 42.0 | | 7.0 | | 51.6 | 25.6 | L |
| 8.7 | | 56.3 | 11.3 | | 9.5 | | 13.5 | 40.4 | | 9.1 | | 45.2 | 53.8 | | 8.4 | | 49.7 | 54.8 | L | 8.6 | | 57.3 | 49.8 | K |
| 9.1 | 47 | 1.2 | 21.2 | | 9.5 | | 22.1 | 57.9 | | 8.9 | | 49.8 | 28.3 | | 8.8 | | 54.1 | 16.3 | | 9.2 | 25 | 37.0 | 20.7 | K |
| 9.3 | | 15.3 | 10.3 | a | 9.2 | | 37.4 | 27.3 | | 9.5 | | 54.4 | 46.1 | | 9.3 | 15 | 7.7 | 38.2 | B | 9.5 | | 37.2 | 30.8 | a |
| 9.5 | | 21.4 | 0.7 | | 9.2 | | 41.2 | 51.8 | | 9.2 | | 55.3 | 6.1 | | 9.5 | | 9.8 | 28.6 | | 9.4 | | 38.3 | 55.6 | B |
| 8.8 | | 46.6 | 2.4 | K | 9.1 | | 47.0 | 7.1 | K | 9.5 | | 59.8 | 18.1 | | 9.5 | | 24.3 | 49.3 | | 9.2 | | 38.5 | 40.9 | |
| 8.3 | | 55.9 | 17.7 | K | 9.5 | | 50.6 | 30.5 | | 8.7 | 7 | 0.6 | 7.9 | K | 9.4 | | 43.3 | 2.0 | | 9.5 | | 39.3 | 51.3 | |
| 9.5 | 48 | 20.1 | 43.9 | | 9.4 | | 52.7 | 18.2 | | 8.9 | | 5.3 | 1.7 | K | 9.4 | | 50.1 | 56.7 | | 7.0 | | 49.2 | 9.8 | K |
| 9.5 | | 21.4 | 0.7 | | 9.4 | 58 | 15.8 | 29.6 | | 9.5 | | 11.5 | 0.9 | | 9.0 | | 53.5 | 38.5 | | 9.0 | 26 | 14.6 | 37.5 | |
| 8.5 | | 28.3 | 28.9 | K | 7.2 | | 36.1 | 56.1 | L | 9.3 | | 18.7 | 40.9 | B | 9.5 | 16 | 32.2 | 39.9 | | 8.8 | | 18.8 | 29.6 | |
| 9.4 | | 44.0 | 30.6 | | 7.7 | | 49.4 | 6.5 | B | 9.2 | | 28.6 | 57.3 | | 9.5 | | 52.5 | 3.3 | | 9.0 | | 27.6 | 4.3 | K |
| 9.5 | | 44.4 | 53.0 | | 9.3 | | 50.0 | 48.8 | | *8.7 | | 34.3 | 7.9 | K | 9.5 | | 54.8 | 26.3 | | 9.5 | | 34.5 | 39.0 | |
| 9.1 | 49 | 7.0 | 42.2 | K | 7.5 | | 58.2 | 52.3 | L | 9.5 | | 47.6 | 34.5 | a | 9.5 | | 58.9 | 21.6 | | 9.5 | | 43.1 | 57.0 | |
| 9.3 | | 9.6 | 48.4 | | 9.5 | 59 | 15.8 | 5.0 | | 9.3 | | 48.9 | 45.6 | K | 9.5 | | 59.7 | 34.0 | | 9.5 | | 44.2 | 11.3 | |
| 9.5 | | 14.0 | 54.3 | | 9.5 | | 18.0 | 20.9 | | 9.3 | 8 | 8.5 | 41.9 | | 6.2 | 17 | 8.1 | 14.3 | K | 9.2 | | 48.1 | 17.2 | |
| 9.5 | | 33.3 | 57.8 | | 9.5 | | 39.1 | 57.2 | | 9.5 | | 9.7 | 14.5 | | 9.2 | | 16.4 | 30.8 | B | 9.5 | | 52.5 | 1.7 | B |
| 8.7 | | 35.5 | 48.2 | K | 9.5 | | 49.5 | 59.7 | | 9.2 | | 34.2 | 53.1 | K | 9.0 | | 32.2 | 31.0 | B | 8.3 | | 58.0 | 58.7 | L |
| 7.0 | | 35.8 | 46.7 | K*b* | 9.1 | | 57.6 | 5.4 | *b* | 9.5 | | 50.2 | 14.3 | | 9.5 | | 35.6 | 19.6 | B | 8.5 | 27 | 25.8 | 5.9 | K |
| 9.5 | | 46.5 | 0.9 | | 8.7 | 0 | 9.5 | 39.2 | K | 7.3 | | 52.3 | 57.9 | K | 9.4 | | 38.8 | 4.6 | | 9.4 | | 48.9 | 23.4 | |
| 9.5 | 50 | 30.2 | 56.5 | | 8.3 | | 19.6 | 35.0 | K | 9.2 | | 58.1 | 13.1 | B | 9.5 | | 45.2 | 7.2 | | 8.2 | | 49.7 | 10.3 | K |
| 8.8 | | 33.1 | 19.8 | | 8.8 | | 43.8 | 5.6 | | 9.5 | 9 | 6.4 | 17.5 | | 9.5 | 18 | 0.0 | 55.0 | | 8.3 | | 53.5 | 45.9 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 22.05 | 0.66 | | 10pr. | | 22.13 | 0.81 | | 10pr. | | 22.23 | 0.95 | | 10pr. | | 22.32 | 1.06 | | 10pr. | | 22.45 | 1.19 | |

| 3371 | | | |
|---|---|---|---|
| *a* | | | |
| *var* | 7 | 37.0 | 10.2 |

3501—3560

| m | 19ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 27 59.1 | 50.7 | |
| 9.4 | 28 13.7 | 57.7 | |
| 9.3 | 19.0 | 31.0 | K*b* |
| 9.3 | 25.5 | 58.7 | K |
| 8.2 | 45.1 | 57.2 | K |
| 9.5 | 47.8 | 29.5 | *a* |
| 7.5 | 29 28.3 | 28.7 | L |
| 9.5 | 34.6 | 57.2 | |
| 8.4 | 37.0 | 14.4 | B |
| 8.0 | 42.1 | 53.0 | K |
| 9.3 | 46.6 | 36.0 | |
| 9.4 | 30 5.0 | 55.3 | |
| 9.4 | 8.4 | 41.4 | |
| 9.5 | 28.5 | 38.2 | |
| 9.5 | 34.2 | 7.5 | |
| 8.1 | 38.8 | 26.0 | L*b* |
| 9.5 | 43.9 | 21.7 | |
| 7.9 | 49.5 | 8.3 | L |
| 9.5 | 31 7.8 | 26.4 | |
| 9.5 | 8.0 | 18.7 | |
| 9.5 | 24.2 | 13.3 | |
| 9.5 | 34.7 | 32.6 | |
| 9.5 | 41.1 | 55.0 | |
| 9.2 | 49.1 | 13.8 | |
| 9.1 | 59.2 | 13.3 | |
| 9.2 | 32 11.1 | 55.0 | |
| 9.2 | 17.2 | 13.3 | |
| 9.5 | 17.2 | 10.8 | |
| 7.8 | 33.7 | 33.8 | L |
| 9.3 | 43.0 | 52.3 | |
| 9.5 | 47.4 | 44.1 | |
| 9.4 | 52.0 | 18.7 | |
| 8.3 | 59.6 | 34.3 | L |
| 9.3 | 33 0.6 | 34.3 | |
| 9.4 | 2.3 | 50.1 | |
| 9.3 | 5.1 | 54.8 | |
| 9.4 | 13.7 | 46.8 | |
| 9.5 | 16.4 | 25.1 | |
| 7.8 | 19 8 | 1.3 | K |
| 9.1 | 33.0 | 48.1 | B |
| 9.4 | 39.6 | 44.6 | |
| 9.5 | 40.6 | 45.6 | |
| 9.5 | 44.8 | 53.7 | |
| 9.5 | 34 2.8 | 53.9 | B |
| 9.5 | 4.3 | 8.8 | |
| 9.3 | 18.2 | 34.5 | |
| 6.5 | 18.2 | 38.5 | L |
| 9.3 | 24.1 | 53.7 | |
| 9.5 | 25.7 | 31.6 | |
| 8.5 | 35.3 | 1.3 | K |
| 9.4 | 36.8 | 4.1 | |
| 9.5 | 43.1 | 16.0 | |
| 9.2 | 52.7 | 38.9 | |
| 9.0 | 54.2 | 51.8 | |
| 9.5 | 57.4 | 45.9 | |
| 8.5 | 35 22.0 | 36.0 | |
| 9.5 | 23.2 | 50.8 | |
| 9.4 | 23.6 | 32.9 | |
| 9.5 | 39.0 | 31.1 | |
| 9.4 | 39.3 | 33.7 | |
| | + | + | |
| 10pr. | 22.58 | 1.32 | |

3561—3620

| m | 19ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.1 | 35 41.0 | 32.1 | α*B* |
| 9.4 | 52.8 | 35.8 | |
| 9.5 | 36 5.3 | 3.2 | |
| 9.5 | 8.2 | 24.6 | |
| 9.2 | 41.0 | 21.2 | K*b* |
| 9.3 | 37 10.5 | 14.3 | |
| 9.4 | 11.8 | 4.3 | |
| 9.5 | 20.2 | 13.3 | |
| 9.5 | 26.5 | 41.0 | |
| 9.3 | 38 3.5 | 39.0 | |
| 9.5 | 5.9 | 24.9 | |
| 6.7 | 24.3 | 48.6 | L |
| 9.5 | 39.6 | 35.7 | |
| 9.3 | 39 1.0 | 37.0 | |
| 9.5 | 1.4 | 46.4 | |
| 9.5 | 13.1 | 16.0 | |
| 8.7 | 17.2 | 11.3 | |
| 9.4 | 18.9 | 31.3 | B |
| 9.0 | 39.3 | 49.8 | |
| 9.4 | 47.1 | 57.7 | |
| *9.4 | 53.9 | 25.1 | |
| *8.4 | 40 4.6 | 16.2 | S |
| 9.5 | 14.3 | 28.8 | |
| 9.3 | 21.8 | 34.5 | |
| 9.5 | 34.2 | 4.0 | |
| 9.2 | 51.9 | 17.3 | |
| 5.4 | 56.3 | 23.6 | S*b* |
| 9.3 | 56.7 | 15.8 | |
| 9.0 | 58.4 | 23.8 | |
| 9.5 | 41 0.3 | 15.3 | |
| 9.2 | 2.8 | 21.3 | α*B* |
| 9.5 | 10.2 | 8.2 | |
| 9.2 | 11.7 | 30.8 | |
| 8.8 | 32.3 | 0.3 | |
| 9.5 | 52.6 | 17.5 | |
| 9.4 | 55.2 | 7.7 | |
| 8.2 | 42 0.6 | 56.9 | B |
| 9.3 | 30.4 | 36.5 | B |
| 9.0 | 31.9 | 45.6 | |
| 9.5 | 51.7 | 45.6 | |
| 9.5 | 43 4.4 | 47.1 | |
| 6.9 | 18.7 | 4.6 | K |
| 9.5 | 48.3 | 2.9 | |
| 9.3 | 44 1.9 | 23.9 | |
| 9.5 | 1.9 | 11.3 | |
| 9.4 | 9.0 | 21.4 | |
| 9.5 | 9.8 | 38.3 | α*B* |
| 9.5 | 14.1 | 59.7 | |
| 9.5 | 15.2 | 58.7 | |
| 9.5 | 22.8 | 40.1 | |
| 9.5 | 23.1 | 23.5 | |
| 9.5 | 23.1 | 24.0 | |
| 9.5 | 34.3 | 40.3 | |
| 9.4 | 40.7 | 25.9 | |
| 8.4 | 50.0 | 59.5 | L |
| 8.9 | 54.7 | 18.0 | |
| 8.7 | 58.4 | 20.3 | B |
| 9.2 | 45 15.6 | 17.8 | |
| 9.5 | 28.7 | 32.6 | |
| 9.5 | 33.0 | 29.1 | |
| | + | + | |
| 10pr. | 22.72 | 1.42 | |

3621—3680

| m | 19ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.1 | 45 41.4 | 3.3 | |
| 9.5 | 45.2 | 9.9 | |
| 8.6 | 47.6 | 36.2 | L |
| 9.0 | 50.0 | 6.9 | |
| 8.1 | 46 14.5 | 41.4 | K |
| 9.5 | 20.8 | 23.2 | |
| 9.5 | 25.3 | 8.6 | |
| 9.5 | 47.7 | 27.8 | |
| 9.5 | 56.1 | 57.5 | |
| 9.5 | 56.4 | 3.6 | |
| 9.5 | 57.2 | 9.8 | |
| 9.4 | 47 9.1 | 27.1 | |
| 7.7 | 18.3 | 49.1 | L |
| 9.4 | 31.3 | 2.3 | |
| 9.5 | 37.7 | 12.8 | |
| 9.5 | 40.2 | 53.3 | |
| 9.3 | 44.2 | 10.4 | |
| 7.7 | 51.6 | 34.3 | L |
| 9.2 | 56.0 | 6.1 | |
| 9.2 | 48 25.5 | 9.8 | |
| 9.2 | 31.3 | 5.1 | |
| 7.2 | 38.9 | 23.7 | L |
| 9.4 | 54.5 | 27.9 | |
| 8.7 | 49 3.2 | 11.6 | |
| 9.5 | 5.0 | 15.3 | |
| 9.5 | 11.8 | 47.7 | |
| 9.4 | 12.7 | 1.0 | |
| 9.5 | 25.0 | 18.3 | |
| 9.4 | 25.5 | 21.5 | |
| 9.5 | 34.3 | 52.3 | |
| 8.9 | 35.0 | 42.2 | B |
| 9.1 | 38.3 | 7.3 | |
| 9.4 | 41.6 | 37.5 | |
| 9.3 | 43.6 | 35.7 | |
| 8.0 | 50.7 | 10.5 | B |
| 7.7 | 50 36.1 | 6.6 | K |
| 9.3 | 42.3 | 9.1 | K |
| 9.5 | 47.2 | 50.8 | |
| *9.5 | 51 7.4 | 19.5 | |
| *9.3 | 24.1 | 15.3 | K |
| 9.5 | 59.4 | 54.1 | |
| 8.9 | 52 1.9 | 23.7 | |
| 8.8 | 5.2 | 2.3 | |
| 9.2 | 17.7 | 31.3 | |
| 7.9 | 18.1 | 51.1 | L |
| 9.4 | 24.7 | 29.4 | |
| 9.5 | 25.8 | 19.3 | |
| 9.3 | 28.6 | 42.0 | |
| 8.9 | 42.1 | 40.1 | |
| 8.8 | 42.4 | 9.3 | |
| 9.5 | 44.6 | 54.5 | B |
| 9.3 | 53.2 | 12.1 | |
| 9.5 | 57.5 | 40.4 | |
| 8.9 | 53 13.7 | 29.5 | |
| 9.2 | 30.0 | 35.7 | B |
| 9.2 | 40.6 | 39.9 | K |
| 9.2 | 46.6 | 35.9 | |
| 9.5 | 46.6 | 48.1 | |
| 9.5 | 54 15.0 | 2.9 | |
| 9.5 | 26.1 | 10.5 | |
| | + | + | |
| 10pr. | 22.86 | 1.53 | |

3681—3740

| m | 19ᵘ—20ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 54 32.2 | 0.9 | B |
| 9.4 | 33.1 | 21.4 | |
| 8.7 | 35.7 | 59.1 | K |
| 9.3 | 41.1 | 44.4 | |
| 9.3 | 57.6 | 9.4 | |
| 9.4 | 55 13.1 | 24.4 | |
| 9.5 | 16.9 | 55.5 | |
| 9.5 | 30.7 | 8.0 | |
| 9.5 | 30.8 | 22.3 | |
| 8.6 | 39.6 | 31.2 | |
| 9.5 | 49.5 | 29.0 | |
| 9.5 | 56 10.1 | 16.7 | |
| 9.5 | 13.5 | 4.3 | |
| 9.2 | 22.9 | 14.4 | |
| 8.9 | 47.0 | 10.1 | K |
| 9.5 | 50.8 | 39.0 | |
| 9.2 | 52.7 | 21.7 | |
| 9.5 | 55.6 | 27.6 | |
| 8.5 | 59.4 | 6.6 | K |
| 9.5 | 57 8.0 | 42.0 | |
| 9.3 | 9.8 | 16.1 | |
| 8.9 | 9.8 | 13.6 | K |
| 9.3 | 14.0 | 23.5 | |
| 9.5 | 31.6 | 24.9 | |
| 9.2 | 31.7 | 18.5 | |
| 9.3 | 37.5 | 55.5 | |
| 9.1 | 42.1 | 11.8 | |
| 8.7 | 42.8 | 2.6 | K |
| 8.8 | 51.6 | 7.9 | K*b* |
| 9.5 | 58 3.3 | 47.0 | |
| 9.5 | 20.0 | 57.6 | |
| 9.5 | 26.0 | 9.7 | |
| 9.3 | 26.6 | 29.0 | |
| 8.1 | 33.2 | 54.6 | B |
| 9.4 | 37.2 | 53.0 | B |
| 7.5 | 46.9 | 8.7 | K |
| 9.5 | 51.9 | 17.5 | |
| 9.1 | 53.6 | 42.1 | K |
| 9.3 | 54.2 | 22.0 | |
| 9.5 | 59.4 | 20.1 | |
| 9.4 | 59 1.1 | 29.4 | |
| 9.3 | 2.2 | 24.9 | B |
| 9.5 | 16.6 | 9.2 | |
| 9.5 | 39.3 | 18.7 | |
| 9.5 | 41.5 | 21.9 | |
| 9.5 | 49.7 | 35.9 | |
| 9.3 | 55.6 | 14.3 | |
| 8.7 | 57.6 | 4.4 | |
| 9.3 | 58.5 | 19.2 | |
| 9.0 | 58.6 | 47.2 | K |
| 9.5 | 0 0.8 | 16.5 | |
| 9.3 | 6.2 | 12.4 | |
| 9.4 | 7.5 | 55.1 | |
| 9.0 | 12.4 | 52.4 | K |
| 9.5 | 18.3 | 26.0 | |
| 9.5 | 21.5 | 23.0 | |
| 9.2 | 25.7 | 8.2 | |
| 9.5 | 47.0 | 43.8 | |
| 9.4 | 55.3 | 1.6 | |
| 9.3 | 1 9.1 | 25.5 | |
| | + | + | |
| 10pr. | 23.02 | 1.65 | |

3741—3800

| m | 20ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 8.1 | 1 9.1 | 3.3 | K |
| 9.4 | 20.7 | 43.4 | |
| 9.5 | 34.9 | 59.4 | |
| 9.5 | 40.7 | 40.0 | |
| 9.2 | 44.1 | 42.5 | α*B* |
| 9.4 | 2 4.7 | 13.6 | |
| 9.2 | 10.6 | 43.0 | |
| 9.3 | 19.5 | 1.4 | |
| 9.5 | 28.8 | 9.6 | |
| 9.5 | 34.4 | 6.7 | |
| 9.0 | 36.0 | 42.5 | |
| 9.5 | 40.7 | 15.1 | |
| 9.3 | 45.8 | 4.8 | B |
| 9.4 | 47.6 | 32.9 | |
| 9.5 | 53.1 | 30.7 | |
| 9.2 | 56.2 | 12.7 | B |
| 9.2 | 59.1 | 14.7 | |
| 9.5 | 3 0.5 | 28.5 | |
| 9.4 | 14.3 | 2.5 | |
| 8.8 | 17.1 | 53.1 | |
| 9.4 | 19.6 | 23.5 | |
| 9.0 | 25.7 | 54.9 | |
| 8.3 | 32.1 | 14.1 | K |
| 9.5 | 34.6 | 46.2 | |
| 7.5 | 36.0 | 29.5 | L |
| 7.3 | 55.8 | 15.0 | K |
| 9.5 | 4 12.9 | 4.2 | |
| 9.5 | 19.7 | 28.4 | |
| 9.2 | 23.9 | 14.1 | *B* |
| 9.5 | 30.6 | 20.5 | |
| 9.2 | 31.1 | 32.1 | |
| 9.3 | 32.0 | 13.1 | |
| 9.0 | 32.9 | 35.1 | |
| 9.2 | 33.8 | 35.9 | |
| 8.9 | 41.5 | 7.4 | |
| 9.1 | 47.6 | 22.5 | |
| 9.4 | 47.7 | 30.2 | |
| 8.5 | 58.6 | 12.1 | K |
| 9.2 | 59.4 | 27.6 | |
| 8.5 | 5 0.6 | 12.1 | K |
| 8.1 | 2.0 | 25.6 | B |
| 9.3 | 4.0 | 52.9 | |
| 9.0 | 11.1 | 17.4 | B |
| 9.3 | 11.6 | 51.8 | |
| 9.0 | 12.0 | 56.3 | |
| 9.4 | 18.7 | 17.8 | |
| 9.4 | 25.5 | 33.4 | |
| 9.5 | 31.9 | 27.4 | |
| 9.5 | 36.6 | 11.9 | |
| 9.3 | 37.5 | 8.2 | |
| 9.5 | 45.6 | 8.2 | |
| 9.4 | 46.3 | 4.7 | |
| 7.8 | 57.4 | 32.4 | K |
| 9.5 | 58.2 | 8.4 | |
| 9.5 | 6 0.0 | 54.3 | |
| 9.5 | 19.5 | 27.7 | |
| 9.5 | 20.5 | 7.0 | |
| 9.4 | 22.9 | 40.1 | K*b* |
| 9.2 | 26.8 | 14.2 | |
| 9.1 | 32.3 | 59.1 | |
| | + | + | |
| 10pr. | 23.14 | 1.73 | |

3581 α

| | | | | |
|---|---|---|---|---|
| 8.6 | 40 | 3.2 | 16.1 | B |

3659 α

| | | | | |
|---|---|---|---|---|
| 9.5 | 51 | 14.1 | 15.8 | α |

| 3801—3860 | | | | | 3861—3920 | | | | | 3921—3980 | | | | | 3981—4040 | | | | | 4041—4100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | | +33° | | | 20ᵘ | | +33° | | | 20ᵘ | | +33° | | | 20ᵘ | | +33° | | | 20ᵘ | | +33° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | |
| 9.0 | 6 | 53.6 | 48.3 | | 9.3 | 14 | 24.1 | 44.7 | | 9.1 | 23 | 51.6 | 10.1 | | 8.4 | 33 | 58.6 | 28.0 | K | 9.0 | 43 | 56.1 | 34.9 | K |
| 8.1 | 7 | 1.6 | 3.7 | B | 8.5 | | 24.6 | 28.9 | K | 8.7 | | 52.5 | 21.2 | | 9.5 | 34 | 6.7 | 34.6 | | 9.4 | | 57.2 | 44.1 | |
| 9.4 | | 13.9 | 15.1 | B | 9.3 | | 27.0 | 57.1 | | 8.8 | | 53.3 | 43.4 | | 9.4 | | 9.4 | 7.2 | | 9.5 | | 57.5 | 6.3 | aB |
| 9.4 | | 17.0 | 7.5 | | 8.2 | | 50.6 | 21.5 | K | 8.3 | 24 | 25.6 | 44.9 | K | 9.5 | | 22.2 | 57.7 | | 9.4 | 44 | 0.0 | 42.4 | |
| 9.2 | | 17.1 | 55.7 | | 9.5 | | 59.0 | 3.0 | | 9.4 | | 35.2 | 12.5 | | 9.4 | | 24.4 | 56.8 | | 8.9 | | 32.1 | 22.7 | |
| 8.5 | | 28.3 | 23.9 | B | 9.4 | 15 | 11.1 | 55.1 | | 9.3 | | 46.1 | 55.7 | | 8.7 | 35 | 3.1 | 17.0 | K | 9.3 | | 32.7 | 24.7 | |
| 8.3 | | 28.7 | 45.3 | B | 9.0 | | 15.4 | 18.6 | Kb | 9.4 | | 50.1 | 58.6 | | 8.4 | | 17.1 | 46.4 | K | 9.5 | | 40.9 | 24.0 | |
| 9.4 | | 30.3 | 1.3 | | 9.5 | | 18.4 | 50.9 | | 9.5 | | 59.6 | 46.7 | | 9.5 | | 26.3 | 28.8 | | 9.5 | | 42.9 | 52.0 | aB |
| 8.9 | | 33.2 | 46.7 | | 9.5 | | 22.1 | 6.5 | | 9.5 | 25 | 23.0 | 9.2 | | 9.5 | | 30.0 | 26.0 | | 9.5 | | 42.9 | 50.7 | |
| 9.5 | | 49.0 | 19.9 | | 8.6 | | 28.0 | 57.2 | | 8.5 | | 23.1 | 2.9 | K | 9.5 | | 30.1 | 55.9 | | 9.5 | | 46.8 | 21.0 | a |
| 9.3 | 8 | 6.6 | 10.9 | | 9.3 | | 37.3 | 58.2 | | 8.8 | | 27.8 | 38.8 | | 9.5 | | 34.7 | 48.5 | | 9.5 | | 54.7 | 26.7 | |
| 9.3 | | 12.5 | 19.4 | | 9.5 | | 39.5 | 23.0 | | 8.6 | | 29.6 | 32.9 | | 8.2 | | 40.6 | 11.5 | K | 9.5 | | 55.4 | 3.0 | |
| 9.1 | | 13.8 | 26.5 | | 8.6 | | 48.7 | 43.5 | K | 9.5 | | 33.0 | 8.0 | | 9.3 | | 44.4 | 56.8 | | 9.5 | | 55.5 | 2.4 | |
| 9.5 | | 16.5 | 5.0 | | 9.1 | 16 | 21.0 | 13.3 | aB | 9.4 | | 35.6 | 4.5 | | 9.4 | 36 | 8.9 | 34.0 | | 9.4 | | 57.1 | 20.5 | a |
| 9.2 | | 19.3 | 1.2 | | 9.3 | | 22.6 | 12.6 | | 9.0 | | 39.2 | 11.9 | K | 9.5 | | 33.2 | 8.0 | | 8.8 | 45 | 5.0 | 13.1 | |
| 9.5 | | 31.4 | 50.9 | | 9.5 | | 40.2 | 21.6 | | 9.1 | | 46.9 | 16.9 | K | *9.1 | | 41.3 | 2.4 | K | 8.4 | | 12.9 | 57.1 | K |
| 8.8 | | 31.7 | 14.1 | | 9.4 | | 50.0 | 30.0 | | 9.2 | | 49.6 | 4.6 | | 9.5 | | 51.8 | 47.7 | | 9.3 | | 17.0 | 3.7 | B |
| 9.5 | | 40.5 | 12.9 | | 9.0 | | 54.1 | 4.5 | | 7.0 | | 55.6 | 50.8 | K | 9.5 | 37 | 5.6 | 35.4 | aB | 9.5 | | 27.6 | 54.8 | |
| 9.5 | | 42.2 | 5.9 | B | 9.5 | | 55.8 | 6.2 | | 9.4 | 26 | 8.1 | 2.4 | | 9.5 | | 12.0 | 22.3 | | 8.7 | | 45.8 | 0.2 | |
| 9.4 | 9 | 20.3 | 0.5 | | 9.4 | 17 | 3.3 | 32.4 | B | 9.0 | | 10.0 | 25.0 | | 9.5 | | 17.5 | 39.3 | | 9.5 | | 51.2 | 41.0 | |
| 8.9 | | 29.1 | 46.3 | | 9.5 | | 24.1 | 14.6 | | 9.5 | | 28.8 | 29.2 | | 9.4 | | 24.4 | 12.4 | | 9.5 | 46 | 15.3 | 57.5 | |
| 9.0 | | 30.6 | 39.7 | B | 9.3 | | 39.8 | 58.0 | | 9.0 | | 59.4 | 47.7 | | 9.4 | | 26.3 | 30.2 | | 9.0 | | 16.0 | 52.3 | |
| 9.5 | | 39.7 | 30.4 | | 9.1 | | 43.6 | 40.5 | | 8.8 | 27 | 0.3 | 30.7 | B | 8.0 | | 27.3 | 18.6 | B | 9.5 | | 21.1 | 38.7 | |
| 9.4 | | 42.0 | 45.2 | | 9.2 | | 52.1 | 49.6 | | 8.5 | | 7.6 | 53.2 | K | 7.8 | | 35.6 | 20.7 | B | 9.4 | | 21.3 | 42.7 | B |
| 9.5 | | 42.4 | 48.7 | | 8.4 | | 55.6 | 54.8 | K | 8.4 | | 32.1 | 31.5 | P | 9.3 | | 50.8 | 12.1 | | 8.2 | | 23.8 | 15.5 | K |
| 8.9 | | 43.0 | 35.7 | K | 9.4 | 18 | 16.2 | 58.0 | | 9.5 | | 47.5 | 6.8 | | 9.1 | | 57.9 | 2.7 | | 9.1 | | 27.6 | 9.3 | Kb |
| 6.2 | | 46.6 | 17.6 | L | 9.5 | | 16.6 | 55.8 | | 9.5 | | 59.6 | 28.5 | | 9.0 | | 59.2 | 0.8 | K | 9.3 | | 55.2 | 40.2 | |
| 9.5 | | 54.2 | 25.2 | | 9.5 | | 27.2 | 45.4 | | 9.2 | 28 | 3.2 | 7.8 | | 9.2 | 38 | 5.8 | 39.0 | | 9.4 | | 59.1 | 45.2 | |
| 9.4 | 10 | 10.7 | 21.5 | | 9.4 | | 35.4 | 42.0 | aB | 9.5 | | 8.3 | 1.1 | | 8.5 | | 6.1 | 32.9 | | 9.5 | 47 | 8.5 | 0.4 | |
| 8.3 | | 13.1 | 35.3 | K | 8.3 | | 40.8 | 45.0 | K | 9.5 | | 11.7 | 29.2 | | 9.5 | | 40.0 | 7.5 | | 8.8 | | 20.6 | 34.5 | K |
| 8.5 | | 13.4 | 28.9 | K | 9.5 | | 45.7 | 52.2 | | 9.5 | | 20.6 | 14.1 | | 9.1 | | 44.4 | 37.8 | b | 9.1 | | 23.5 | 55.8 | aB |
| 9.1 | | 20.8 | 36.0 | | 9.5 | | 56.6 | 7.5 | | 9.3 | | 27.6 | 12.6 | K | 9.5 | | 52.4 | 34.4 | aB | 9.1 | | 36.0 | 5.6 | |
| 8.5 | | 39.7 | 23.5 | K | 9.3 | 19 | 0.0 | 45.8 | | 9.1 | | 29.5 | 11.4 | K | 9.3 | | 58.6 | 13.2 | K | 9.3 | | 36.3 | 52.2 | |
| 9.3 | | 44.9 | 26.0 | | 8.3 | | 15.6 | 35.1 | K | 9.3 | | 40.6 | 43.0 | | 9.5 | | 58.6 | 25.0 | | 9.5 | | 43.6 | 23.4 | |
| 8.1 | 11 | 3.1 | 30.2 | K | 9.5 | | 20.9 | 28.5 | | 9.2 | | 57.6 | 40.3 | | 8.9 | 39 | 39.3 | 13.8 | | 9.4 | | 58.1 | 41.7 | |
| 9.5 | | 7.4 | 29.0 | | 9.2 | | 29.0 | 39.6 | | 9.5 | 29 | 6.7 | 55.6 | | 9.4 | | 42.6 | 52.8 | B | 8.3 | 48 | 3.4 | 2.7 | B |
| 7.8 | | 19.6 | 41.3 | L | 8.9 | | 40.1 | 19.3 | K | 9.5 | | 19.9 | 10.7 | | 9.3 | 40 | 20.7 | 11.1 | | 8.9 | | 12.3 | 29.2 | |
| 9.5 | | 24.5 | 33.6 | | 9.5 | | 58.0 | 21.4 | | 8.2 | | 20.8 | 3.2 | B | 2.6 | | 21.1 | 25.4 | K | 9.3 | | 14.1 | 12.2 | |
| 9.5 | | 37.9 | 53.1 | | 9.4 | | 58.3 | 47.6 | | 9.5 | | 21.1 | 12.9 | | 9.0 | | 24.6 | 1.0 | | 9.0 | | 24.4 | 25.0 | |
| 9.3 | | 39.8 | 53.3 | B | 9.2 | 20 | 17.6 | 29.2 | | 9.5 | | 35.6 | 30.4 | | 9.3 | | 52.6 | 16.6 | | 8.5 | | 38.6 | 52.9 | K |
| 9.4 | | 44.7 | 11.3 | | 9.5 | | 17.9 | 45.2 | | 9.5 | | 51.1 | 8.4 | | 9.5 | | 57.8 | 3.6 | | 9.3 | | 50.9 | 48.6 | aB |
| 9.4 | | 58.4 | 46.8 | | 9.3 | | 43.1 | 40.8 | | 9.0 | 30 | 0.5 | 22.0 | | 9.0 | 41 | 0.5 | 51.0 | K | 9.5 | 49 | 0.0 | 3.7 | |
| 9.1 | 12 | 2.6 | 4.2 | K | 9.4 | | 51.3 | 1.9 | | 9.5 | | 18.6 | 4.7 | | 8.5 | | 6.3 | 58.8 | | 8.0 | | 0.6 | 48.2 | K |
| 9.3 | | 13.8 | 17.3 | | 8.9 | | 54.7 | 32.6 | | 8.9 | | 27.6 | 43.3 | Kb | 9.3 | | 10.4 | 44.0 | | 9.5 | | 3.3 | 47.0 | B |
| 9.4 | | 14.0 | 46.0 | | 8.6 | | 55.1 | 55.1 | | 9.5 | | 28.2 | 55.6 | | 9.5 | | 15.0 | 8.6 | | 7.3 | | 5.6 | 12.4 | L |
| 7.8 | | 16.1 | 38.5 | B | 9.3 | 21 | 4.4 | 12.9 | | 8.9 | | 41.4 | 38.1 | K | 9.4 | | 15.9 | 1.4 | aB | 9.4 | | 23.2 | 56.2 | |
| 9.4 | | 18.0 | 33.8 | | 8.9 | | 9.3 | 2.2 | | 9.4 | | 57.6 | 51.4 | | 8.5 | | 16.0 | 30.2 | | 9.3 | | 31.1 | 16.1 | |
| 9.5 | 13 | 3.2 | 21.2 | | 8.5 | | 16.7 | 15.8 | | 9.5 | 31 | 13.0 | 26.0 | | var | ? | 24.1 | 50.7 | K | 9.5 | | 43.0 | 13.6 | |
| 9.3 | | 23.6 | 10.5 | | 9.0 | | 19.0 | 0.3 | | 9.2 | | 48.6 | 50.7 | aBb | 9.5 | | 31.3 | 39.6 | | 7.5 | | 50.8 | 28.4 | K |
| 8.8 | | 26.1 | 42.1 | | 6.7 | | 29.1 | 50.6 | K | 9.5 | | 53.3 | 26.5 | | 9.4 | | 38.2 | 51.4 | | 9.5 | | 57.7 | 57.5 | |
| 9.5 | | 31.8 | 59.9 | | 9.5 | | 36.5 | 28.4 | | 8.8 | 32 | 5.2 | 16.6 | | 9.5 | 42 | 15.1 | 53.1 | | 9.4 | 50 | 13.9 | 1.8 | |
| 9.4 | | 37.0 | 46.2 | | 9.5 | | 46.4 | 34.5 | | 9.3 | | 10.1 | 50.2 | | 9.4 | | 27.6 | 7.7 | | 9.5 | | 39.1 | 27.7 | |
| 9.4 | | 37.8 | 25.4 | B | 9.5 | | 58.9 | 15.3 | | 9.4 | | 16.6 | 55.1 | | 8.8 | | 51.2 | 1.6 | B | 9.2 | | 39.9 | 31.1 | K |
| 8.7 | | 43.6 | 43.5 | | 7.2 | 22 | 22.1 | 24.2 | K | 9.3 | | 34.8 | 19.6 | | 9.5 | | 54.6 | 7.9 | | 9.0 | | 44.6 | 56.8 | |
| 9.4 | | 44.5 | 23.8 | | 9.5 | | 34.2 | 10.1 | | 9.4 | | 43.9 | 50.0 | | 9.5 | 43 | 0.9 | 53.2 | | 9.5 | | 46.8 | 42.5 | |
| 9.5 | | 46.1 | 55.3 | | 9.0 | | 39.8 | 6.3 | B | 9.5 | | 53.7 | 55.2 | | 9.4 | | 3.2 | 26.9 | aB | 9.5 | | 51.7 | 10.0 | |
| 9.5 | | 55.6 | 19.0 | | 8.9 | 23 | 3.6 | 54.6 | K | 9.5 | 33 | 14.2 | 59.1 | | 9.5 | | 17.1 | 59.3 | | 9.4 | | 52.0 | 14.1 | aB |
| 9.5 | 14 | 0.5 | 24.8 | | 9.4 | | 11.8 | 15.8 | | 9.5 | | 20.1 | 40.0 | | 9.5 | | 22.6 | 30.4 | | 8.8 | 51 | 7.1 | 55.5 | K |
| 9.5 | | 13.8 | 7.9 | | 9.5 | | 19.0 | 50.1 | | 9.0 | | 34.6 | 47.9 | Kb | 9.3 | | 41.4 | 38.3 | | 9.5 | | 24.4 | 57.7 | |
| 9.4 | | 15.7 | 13.6 | | 8.7 | | 29.5 | 1.6 | | 8.6 | | 52.9 | 31.7 | | 9.5 | | 43.1 | 6.3 | | 9.4 | | 25.1 | 52.6 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 23.25 | 1.80 | | 10pr. | | 23.44 | 1.90 | | 10pr. | | 23.66 | 2.01 | | 10pr. | | 23.91 | 2.13 | | 10pr. | | 24.12 | 2.23 | |

3995 a
9.5 | 36 35.6 | 33.3 | a

### 4101—4160

| m | 20ᵘ—21ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.2 | 51 39.6 | 54.1 | |
| 9.5 | 47.9 | 28.2 | |
| 9.0 | 49.6 | 6.5 | |
| 9.4 | 52 10.4 | 57.9 | |
| 9.5 | 25.5 | 10.4 | |
| 9.5 | 27.0 | 33.4 | |
| 9.5 | 30.9 | 50.4 | |
| 9.5 | 31.2 | 29.2 | |
| 9.4 | 44.1 | 44.0 | *a* |
| 9.5 | 53 2.6 | 45.9 | |
| 9.0 | 14.1 | 43.7 | |
| 8.0 | 14.6 | 55.1 | L |
| 9.5 | 30.8 | 28.6 | |
| 8.9 | 33.6 | 20.3 | K |
| 9.5 | 50.0 | 6.1 | |
| 8.2 | 54 34.4 | 36.5 | K |
| 9.2 | 49.3 | 19.9 | K |
| 9.5 | 51.1 | 41.9 | |
| 9.5 | 55 1.1 | 49.3 | |
| 8.5 | 15.0 | 50.8 | K |
| 9.1 | 52.7 | 19.3 | |
| 9.5 | 56 11.7 | 34.4 | B |
| 9.5 | 13.1 | 33.0 | |
| 9.5 | 20.6 | 16.9 | |
| 7.5 | 22.1 | 10.2 | Kb |
| 8.3 | 31.3 | 34.4 | B |
| 8.7 | 31.6 | 42.1 | |
| 8.6 | 32.6 | 21.2 | |
| 9.1 | 57 0.7 | 13.6 | |
| 8.8 | 4.1 | 9.9 | |
| 9.5 | 14.8 | 27.5 | *a* |
| 9.5 | 35.4 | 22.6 | |
| 8.2 | 37.7 | 59.9 | B |
| 8.5 | 38.0 | 52.9 | B |
| 8.0 | 41.4 | 8.7 | L |
| 9.4 | 45.7 | 10.4 | |
| 9.4 | 47.6 | 6.0 | |
| 9.2 | 51.4 | 55.7 | |
| 9.5 | 53.6 | 3.6 | |
| 9.4 | 55.1 | 38.9 | aB |
| 9.5 | 58 3.5 | 5.1 | |
| 9.4 | 4.6 | 48.8 | |
| 9.4 | 14.1 | 28.3 | |
| 9.5 | 17.9 | 45.9 | |
| 9.4 | 30.5 | 13.5 | |
| 8.8 | 38.8 | 10.6 | |
| 9.4 | 58.7 | 17.6 | |
| 9.5 | 59 17.7 | 7.6 | aB |
| 9.3 | 25.1 | 20.1 | |
| 9.1 | 27.0 | 46.5 | |
| 9.1 | 30.3 | 53.9 | |
| 9.1 | 34.5 | 34.9 | |
| 8.9 | 40.9 | 32.2 | |
| 8.7 | 49.2 | 57.4 | |
| 9.3 | 52.5 | 35.3 | |
| 9.1 | 55.4 | 26.9 | |
| 8.7 | 0 4.0 | 29.1 | |
| 9.2 | 5.1 | 45.5 | |
| 9.4 | 7.7 | 15.3 | |
| 8.9 | 14.3 | 42.0 | |
| | + | + | |
| *10pr.* | *24.38* | *2.33* | |

### 4161—4220

| m | 21ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 8.4 | 0 16.6 | 11.9 | |
| 7.5 | 51.6 | 33.0 | K |
| 8.8 | 52.1 | 37.8 | K |
| 8.1 | 56.1 | 5.7 | R |
| 9.3 | 56.7 | 5.0 | aB |
| 9.2 | 1 16.1 | 28.9 | B |
| 9.0 | 18.6 | 36.7 | K |
| 8.9 | 23.9 | 0.1 | |
| 9.4 | 34.8 | 34.7 | |
| 9.2 | 45.2 | 22.1 | |
| 9.3 | 52.0 | 46.4 | |
| 8.7 | 56.7 | 46.9 | |
| 9.0 | 2 15.3 | 5.7 | |
| 9.3 | 37.4 | 45.7 | |
| 9.5 | 46.1 | 39.5 | |
| 7.2 | 47.4 | 2.2 | K |
| 9.4 | 3 26.9 | 16.5 | |
| 9.5 | 33.4 | 48.6 | |
| 9.1 | 57.0 | 20.8 | |
| 8.9 | 4 5.9 | 26.5 | |
| 8.7 | 7.9 | 49.9 | |
| 8.9 | 14.1 | 40.3 | |
| 9.5 | 29.0 | 25.8 | |
| 9.1 | 31.4 | 43.5 | |
| 9.4 | 31.6 | 54.3 | |
| 9.0 | 5 18.4 | 43.8 | |
| 9.5 | 26.2 | 46.8 | |
| 9.5 | 38.5 | 43.2 | |
| 8.5 | 42.7 | 36.8 | K |
| 9.3 | 56.1 | 46.0 | |
| 9.4 | 6 1.0 | 44.8 | |
| 8.8 | 1.6 | 46.4 | |
| 9.4 | 33.7 | 14.3 | aB |
| 9.2 | 7 8.2 | 20.6 | |
| 9.3 | 10.3 | 57.2 | |
| 9.3 | 14.9 | 42.6 | |
| 6.7 | 17.2 | 6.8 | K |
| 9.3 | 27.5 | 27.6 | |
| 9.3 | 41.8 | 12.3 | aB |
| 9.0 | 47.5 | 26.5 | |
| 9.3 | 8 12.1 | 43.4 | |
| 9.0 | 18.4 | 26.1 | |
| 7.0 | 22.0 | 41.5 | K |
| 9.0 | 25.9 | 12.4 | K |
| 8.2 | 28.0 | 42.9 | B |
| 9.1 | 36.4 | 25.8 | *a* |
| 9.4 | 50.2 | 46.1 | |
| 9.5 | 59.4 | 22.7 | |
| 9.3 | 9 22.0 | 44.4 | |
| 8.0 | 37.4 | 16.5 | K |
| 9.3 | 53.9 | 37.2 | |
| 9.5 | 56.0 | 4.3 | |
| 8.8 | 10 16.4 | 3.4 | K |
| 9.1 | 33.6 | 3.6 | K |
| 9.5 | 37.4 | 30.3 | |
| 9.5 | 11 15.2 | 22.7 | |
| 9.3 | 15.9 | 52.4 | |
| 7.0 | 24.1 | 49.5 | K |
| 7.7 | 39.2 | 9.1 | K |
| 9.1 | 12 10.0 | 32.6 | |
| | + | + | |
| *10pr* | *24.63* | *2.42* | |

### 4221—4280

| m | 21ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 12 22.3 | 2.6 | |
| 9.1 | 38.2 | 53.8 | |
| 9.0 | 40.1 | 11.6 | |
| 9.0 | 43.9 | 43.4 | |
| 9.5 | 49.3 | 58.6 | |
| 9.5 | 49.9 | 53.8 | |
| 9.0 | 13 9.1 | 13.4 | K |
| 9.2 | 18.4 | 33.8 | *b* |
| 9.5 | 35.4 | 9.0 | |
| 9.3 | 14 4.4 | 53.5 | |
| 9.3 | 8.4 | 45.5 | |
| 9.5 | 8.9 | 50.4 | |
| 9.5 | 38.9 | 25.1 | |
| 9.5 | 41.9 | 15.1 | |
| 9.4 | 44.4 | 9.9 | |
| 9.4 | 15 15.7 | 39.6 | |
| 9.4 | 30.0 | 48.6 | |
| 9.1 | 39.4 | 16.5 | *b* |
| 9.3 | 45.5 | 40.4 | |
| 9.5 | 47.1 | 58.2 | |
| 8.8 | 16 24.7 | 23.4 | |
| 7.7 | 25.6 | 13.8 | L |
| 9.5 | 30.1 | 32.8 | |
| 9.5 | 17 3.3 | 13.0 | |
| 9.5 | 40.0 | 7.3 | |
| 8.6 | 18 21.4 | 57.1 | K |
| 8.3 | 32.2 | 38.9 | Kb |
| 8.4 | 32.9 | 12.3 | |
| 9.5 | 36.9 | 58.2 | |
| 9.5 | 52.1 | 11.7 | |
| 9.2 | 54.6 | 56.9 | aB |
| 8.0 | 55.3 | 4.8 | |
| 9.3 | 19 14.5 | 24.8 | |
| 8.9 | 22.9 | 43.5 | |
| 8.6 | 29.4 | 23.5 | |
| 8.5 | 44.0 | 10.2 | K |
| 9.1 | 44.3 | 49.7 | aB |
| 9.5 | 47.8 | 55.5 | |
| 9.4 | 20 0.3 | 4.7 | |
| 9.0 | 6.9 | 29.3 | |
| 9.3 | 27.9 | 34.4 | B |
| 9.5 | 41.0 | 8.6 | |
| 9.2 | 41.7 | 41.4 | |
| 9.2 | 45.3 | 16.3 | B |
| 9.0 | 53.4 | 46.5 | |
| 9.5 | 21 11.1 | 50.0 | |
| 9.3 | 23.4 | 37.2 | |
| 9.5 | 25.4 | 8.6 | |
| 9.5 | 44.5 | 31.3 | |
| 9.1 | 22 8.9 | 54.2 | *b* |
| 9.3 | 51.9 | 39.3 | |
| 9.5 | 23 0.0 | 18.9 | |
| 8.3 | 3.1 | 33.8 | |
| 9.4 | 25.1 | 7.4 | |
| 9.5 | 26.9 | 56.1 | |
| 8.2 | 30.7 | 10.2 | K |
| 9.0 | 58.6 | 42.3 | |
| 9.1 | 24 0.4 | 40.2 | |
| 8.5 | 8.1 | 22.0 | |
| 9.2 | 8.4 | 26.5 | |
| | + | + | |
| *10pr.* | *25.00* | *2.55* | |

### 4281—4340

| m | 21ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 25 20.0 | 1.7 | |
| 8.2 | 27.3 | 54.5 | B |
| 9.5 | 41.3 | 6.4 | *B* |
| 9.0 | 42.9 | 32.7 | |
| 7.7 | 43.1 | 11.0 | S |
| 8.0 | 56.9 | 33.1 | K |
| 9.0 | 57.3 | 58.0 | |
| 8.8 | 58.9 | 40.9 | K |
| 9.3 | 26 15.0 | 44.1 | |
| 8.9 | 37.4 | 43.4 | K |
| 9.2 | 48.1 | 19.8 | aB |
| 9.3 | 53.7 | 48.5 | |
| 9.3 | 54.6 | 23.8 | |
| 9.5 | 27 4.9 | 18.7 | |
| 9.5 | 5.1 | 13.3 | |
| 7.5 | 12.9 | 9.5 | K |
| 9.5 | 19.7 | 40.0 | |
| 9.4 | 47.8 | 5.8 | aB |
| 9.5 | 55.6 | 21.0 | |
| 9.2 | 55.6 | 24.8 | |
| 9.5 | 58.4 | 46.8 | |
| 9.5 | 28 21.0 | 40.0 | |
| 9.2 | 54.9 | 0.2 | |
| 9.3 | 57.3 | 56.4 | |
| 9.2 | 29 9.4 | 19.9 | *b* |
| 8.9 | 40.4 | 45.2 | |
| 8.0 | 30 44.9 | 4.8 | L |
| 9.2 | 52.0 | 19.9 | aB |
| 7.2 | 31 16.4 | 56.9 | K |
| 9.3 | 33.3 | 20.2 | aB |
| 9.0 | 46.4 | 41.0 | K |
| 9.2 | 32 15.7 | 56.6 | |
| 9.3 | 20.9 | 19.2 | |
| 9.0 | 57.4 | 17.1 | K |
| 9.5 | 33 14.9 | 41.4 | |
| 9.5 | 38.6 | 2.3 | aB |
| 9.1 | 41.7 | 59.0 | |
| 9.4 | 45.6 | 2.5 | aB |
| 9.1 | 47.0 | 12.6 | |
| 9.3 | 34 0.1 | 22.7 | |
| 8.5 | 18.7 | 33.7 | K |
| 9.5 | 22.4 | 12.0 | |
| 8.6 | 26.0 | 34.5 | K |
| 8.3 | 55.4 | 41.6 | |
| 8.9 | 35 3.8 | 53.5 | |
| 9.5 | 20.3 | 1.2 | |
| 9.1 | 30.8 | 27.5 | |
| 9.1 | 36 7.9 | 49.5 | |
| 8.3 | 12.4 | 24.8 | |
| 8.9 | 14.3 | 53.5 | |
| 9.2 | 20.2 | 34.3 | |
| 9.5 | 31.4 | 34.8 | |
| 8.8 | 33.4 | 46.1 | |
| 9.5 | 37 7.9 | 56.2 | |
| 9.1 | 15.4 | 17.5 | |
| 9.3 | 51.5 | 27.5 | |
| 9.5 | 38 36.0 | 57.8 | B |
| 9.2 | 41.7 | 15.8 | |
| 9.5 | 54.6 | 43.0 | |
| 8.3 | 39 46.9 | 36.8 | K |
| | + | + | |
| *10pr.* | *25.38* | *2.66* | |

### 4341—4400

| m | 21ᵘ | +33° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 39 52.4 | 13.4 | |
| 7.5 | 40 15.2 | 37.1 | K |
| 9.4 | 46.0 | 56.5 | aB |
| 9.5 | 46.4 | 10.3 | |
| 9.5 | 41 39.1 | 58.5 | |
| 9.5 | 43.4 | 7.1 | |
| 9.1 | 43.5 | 50.3 | |
| 9.5 | 58.9 | 32.4 | |
| 9.3 | 42 2.9 | 36.5 | |
| 9.2 | 17.4 | 3.7 | *b* |
| 9.4 | 48.7 | 25.1 | |
| 8.5 | 51.4 | 55.5 | |
| 9.5 | 53.9 | 21.6 | |
| 9.0 | 55.9 | 39.2 | |
| 9.3 | 57.8 | 23.6 | aB |
| 9.5 | 43 8.5 | 23.4 | B |
| 9.5 | 9.5 | 42.4 | |
| 9.5 | 25.5 | 42.6 | |
| 8.8 | 28.9 | 33.8 | Kb |
| 9.5 | 44 18.0 | 45.8 | |
| 9.5 | 27.7 | 8.3 | aB |
| 9.5 | 34.2 | 8.1 | aB |
| 9.5 | 38.6 | 8.0 | B |
| 9.5 | 50.5 | 3.3 | aB |
| 9.4 | 51.0 | 59.8 | |
| 9.4 | 53.2 | 26.3 | |
| 9.5 | 45 12.1 | 0.1 | |
| 9.4 | 25.5 | 36.1 | |
| 9.5 | 33.8 | 6.7 | |
| 9.0 | 46 7.3 | 52.4 | |
| 7.0 | 7.1 | 43.4 | K |
| 9.4 | 25.0 | 17.5 | |
| 8.4 | 47.8 | 6.8 | K |
| 9.4 | 47 9.1 | 24.3 | |
| 8.0 | 9.3 | 34.7 | Kb |
| 9.0 | 28.4 | 12.6 | K |
| 9.1 | 48 0.4 | 5.3 | K |
| 9.5 | 1.5 | 43.9 | aB |
| 8.0 | 21.0 | 48.9 | K |
| 9.4 | 43.0 | 52.7 | |
| 9.4 | 49.2 | 57.8 | |
| 9.5 | 49.6 | 49.6 | |
| 9.3 | 49 10.5 | 59.4 | |
| 7.8 | 54.1 | 52.5 | K |
| 8.8 | 57.3 | 32.4 | |
| 9.3 | 50 1.5 | 26.5 | |
| 9.1 | 17.6 | 37.9 | |
| 9.3 | 21.2 | 40.6 | |
| 9.4 | 31.0 | 2.3 | |
| 9.5 | 44.2 | 18.5 | |
| 9.4 | 49.8 | 54.5 | |
| 9.5 | 51 22.1 | 15.0 | |
| 8.3 | 43.5 | 25.8 | K |
| 9.2 | 52 7.0 | 27.8 | Kb |
| 8.7 | 15.8 | 58.0 | |
| 9.5 | 44.3 | 40.3 | |
| 9.5 | 45.6 | 18.7 | |
| 9.5 | 59.8 | 36.3 | aB |
| 7.8 | 53 3.9 | 28.5 | K |
| 9.0 | 19.6 | 43.7 | |
| | + | + | |
| *10pr.* | *25.84* | *2.79* | |

| 4401—4460 | | | | | 4461—4520 | | | | | 4521—4580 | | | | | 4581—4640 | | | | | 4641—4700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21°—22° | | +33° | | | 22° | | +33° | | | 22° | | +33° | | | 22° | | +33° | | | 22°—23° | | +33° | |
| m | | ′ ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 53 | 48.4 | 2.9 | | 9.1 | 7 | 26.4 | 36.2 | b | 9.4 | 24 | 51.2 | 54.6 | | 9.0 | 38 | 48.7 | 12.5 | K | 9.3 | 57 | 27.1 | 8.4 | |
| 9.0 | | 48.6 | 9.5 | | 9.1 | 8 | 2.0 | 12.6 | K | 9.5 | | 58.1 | 35.7 | | 9.5 | | 51.2 | 17.3 | | 8.3 | | 27.9 | 24.6 | |
| 9.4 | | 56.6 | 44.7 | | 9.1 | | 5.9 | 10.5 | K | 7.5 | 25 | 9.2 | 55.6 | K | 8.8 | 39 | 15.0 | 12.4 | K | 7.8 | 58 | 11.0 | 19.0 | K |
| 9.0 | | 58.1 | 28.8 | K | 8.0 | | 50.3 | 15.6 | K | 7.3 | | 9.6 | 29.5 | B | 9.4 | | 24.6 | 4.7 | | 9.4 | | 30.2 | 8.9 | |
| 6.8 | | 59.0 | 55.3 | K | 8.5 | | 59.9 | 48.5 | | 9.5 | | 18.4 | 50.3 | | 9.5 | 40 | 3.7 | 19.8 | | 9.1 | | 36.5 | 21.1 | |
| 8.8 | 54 | 7.7 | 18.2 | K | 9.2 | 9 | 3.2 | 23.3 | | 9.5 | | 26.5 | 45.4 | | 9.4 | | 12.0 | 30.8 | | 9.3 | | 51.8 | 1.5 | |
| 9.5 | | 28.8 | 41.8 | | 9.3 | | 7.4 | 17.4 | | 9.2 | | 27.9 | 13.3 | | 9.2 | | 12.2 | 59.2 | K | 9.4 | 59 | 15.5 | 34.6 | |
| 9.5 | | 34.4 | 37.8 | aB | 9.0 | | 24.6 | 20.2 | K | 9.4 | | 38.8 | 39.7 | | 9.2 | | 22.8 | 7.6 | K | 8.9 | | 52.7 | 47.8 | |
| 9.0 | | 37.9 | 12.3 | K | 7.4 | | 49.5 | 0.9 | K | 7.7 | | 54.9 | 4.1 | B | 9.5 | | 46.1 | 13.2 | | 9.3 | 0 | 10.5 | 37.0 | |
| 9.5 | 55 | 11.2 | 21.3 | | 8.8 | | 57.4 | 54.8 | | 7.5 | | 59.9 | 29.5 | K | 9.4 | 41 | 17.4 | 9.6 | | 9.5 | | 29.8 | 47.8 | |
| 8.6 | | 24.3 | 35.0 | | 8.0 | 10 | 7.2 | 48.2 | L | 8.2 | 26 | 37.8 | 11.9 | K | 9.3 | | 30.2 | 16.3 | aB | 8.9 | 1 | 1.2 | 21.5 | |
| 9.5 | | 55.1 | 14.3 | | 8.9 | | 44.9 | 29.6 | K | 9.3 | | 46.2 | 21.3 | K | 9.1 | | 36.7 | 3.8 | b | 9.3 | | 10.6 | 7.0 | |
| 9.3 | | 56.5 | 54.8 | | 9.5 | 11 | 29.6 | 22.0 | | 8.8 | | 48.9 | 33.2 | K | 9.0 | | 37.7 | 53.7 | | 8.8 | | 23.4 | 7.8 | |
| 9.5 | | 57.6 | 20.8 | | 9.5 | | 30.5 | 47.5 | | 9.4 | | 51.4 | 49.6 | | 9.5 | 42 | 55.2 | 18.0 | | 9.3 | | 23.5 | 55.3 | aB |
| 7.7 | 56 | 6.9 | 40.6 | K | 9.5 | | 40.8 | 54.9 | | 9.5 | 27 | 0.0 | 22.1 | | 9.0 | 43 | 11.5 | 29.8 | Kb | 8.5 | | 46.3 | 25.9 | Kb |
| 9.5 | | 34.5 | 54.2 | | 9.0 | | 47.9 | 11.9 | | 9.3 | | 2.1 | 39.6 | | 9.2 | | 18.2 | 35.7 | aB | 9.5 | 2 | 53.1 | 23.1 | |
| 9.0 | 57 | 48.1 | 51.0 | | 7.5 | 12 | 52.5 | 48.3 | K | 9.5 | | 29.1 | 35.0 | | 9.0 | 44 | 1.3 | 41.3 | | 9.4 | | 57.0 | 43.8 | |
| 9.5 | 58 | 2.5 | 25.3 | | 9.5 | 13 | 24.5 | 17.7 | | 9.2 | | 36.4 | 17.7 | | 8.5 | | 6.1 | 41.9 | K | 9.5 | 3 | 12.4 | 7.5 | |
| 9.5 | | 3.7 | 0.6 | | 9.5 | | 29.1 | 28.1 | | 9.5 | | 36.8 | 4.7 | | 7.3 | | 21.6 | 36.4 | K | 9.5 | | 28.0 | 58.8 | |
| 9.5 | | 43.1 | 19.5 | | 9.3 | 14 | 13.8 | 18.8 | | 9.5 | | 36.9 | 23.5 | | 9.5 | | 39.2 | 54.8 | | 9.5 | | 28.2 | 52.5 | |
| 8.0 | | 49.6 | 45.5 | K | 9.5 | | 27.8 | 0.5 | | 9.4 | 28 | 47.9 | 8.3 | | 9.5 | | 48.8 | 48.8 | | 9.5 | | 48.7 | 55.9 | |
| 9.4 | 59 | 1.5 | 1.8 | | 9.1 | 15 | 2.7 | 10.8 | b | 9.0 | | 49.7 | 42.0 | K | 9.5 | 45 | 4.9 | 2.9 | B | 9.5 | 4 | 26.6 | 4.2 | |
| 9.5 | 0 | 4.9 | 25.8 | | 9.5 | | 16.9 | 17.3 | | 9.1 | 29 | 13.0 | 19.5 | ab | 9.5 | | 7.7 | 12.0 | | 9.5 | 5 | 15.8 | 57.2 | |
| 9.4 | | 9.8 | 51.6 | | 9.4 | | 19.0 | 12.0 | aB | 9.3 | | 23.5 | 29.8 | | 9.0 | | 13.4 | 56.8 | | 9.0 | | 16.9 | 35.9 | |
| 9.4 | | 15.6 | 6.8 | | 9.1 | | 34.6 | 25.0 | | 9.1 | | 27.5 | 52.6 | K | 9.5 | | 17.0 | 7.0 | | 9.5 | | 18.5 | 6.5 | |
| 9.5 | | 18.5 | 56.4 | | 9.4 | | 36.1 | 30.5 | | 8.9 | | 39.8 | 54.1 | K | 9.1 | | 34.8 | 51.7 | | 9.5 | | 45.0 | 37.2 | |
| 8.8 | | 25.9 | 53.0 | K | 9.0 | | 47.1 | 16.0 | K | 9.0 | | 43.3 | 20.4 | | 7.0 | 47 | 18.2 | 26.3 | K | 9.5 | 6 | 26.7 | 55.8 | |
| 7.5 | | 40.6 | 48.6 | K | 9.5 | | 47.4 | 5.0 | | 9.5 | | 55.4 | 4.9 | | 9.3 | | 50.5 | 3.0 | | 8.8 | | 27.0 | 49.0 | |
| 8.5 | | 49.1 | 41.3 | K | var | | 52.8 | 38.8 | | 9.5 | 30 | 4.8 | 25.3 | | 8.3 | | 53.7 | 27.7 | Kb | 9.3 | | 39.4 | 39.3 | |
| 9.5 | 1 | 5.0 | 5.7 | | 9.1 | | 53.2 | 47.5 | | neb | | 27.4 | 40.0 | | 9.5 | 48 | 11.3 | 45.4 | | 8.9 | | 42.2 | 28.5 | B |
| 8.2 | | 10.6 | 21.6 | K | 9.3 | 16 | 24.3 | 18.9 | | 9.5 | | 51.7 | 10.3 | | 9.5 | | 27.9 | 28.8 | | 9.5 | 7 | 40.7 | 57.0 | |
| 9.5 | | 34.2 | 1.6 | | 9.4 | | 32.4 | 56.9 | | 9.5 | | 59.4 | 43.3 | | 8.8 | 49 | 30.8 | 6.1 | | *9.5 | 8 | 20.3 | 0.0 | |
| 9.4 | | 35.8 | 9.5 | B | 9.4 | | 44.8 | 24.0 | | 9.5 | 32 | 10.7 | 53.9 | | 9.5 | | 36.7 | 47.9 | | 9.0 | | 46.8 | 44.9 | |
| 9.3 | | 38.0 | 33.4 | B | 9.1 | 17 | 18.5 | 54.6 | | 9.5 | | 17.1 | 30.7 | | 8.6 | | 49.6 | 8.7 | | 7.8 | | 55.9 | 54.5 | K |
| 9.4 | | 45.0 | 26.8 | | 9.5 | | 23.4 | 19.2 | | 9.5 | | 17.5 | 9.6 | | 7.5 | | 52.8 | 35.3 | L | 9.3 | 9 | 25.0 | 32.0 | |
| 9.3 | | 58.6 | 36.0 | | 8.3 | | 35.2 | 51.7 | K | 8.7 | | 36.3 | 8.1 | B | 8.6 | | 54.7 | 26.0 | | 8.6 | | 27.3 | 40.3 | |
| 9.2 | | 59.3 | 13.7 | | 8.5 | | 41.1 | 40.0 | K | 9.5 | | 54.4 | 5.9 | | 9.1 | 50 | 5.3 | 6.1 | | 9.0 | | 31.1 | 53.0 | B |
| 8.6 | 2 | 24.7 | 47.1 | K | 9.5 | | 59.0 | 21.0 | | 9.3 | 33 | 21.3 | 59.9 | | 9.1 | 51 | 21.7 | 8.7 | | 8.5 | | 35.6 | 6.0 | K |
| 9.1 | | 40.1 | 24.7 | | 8.3 | 18 | 5.3 | 53.0 | K | 9.5 | | 21.4 | 44.7 | | 9.3 | | 51.2 | 53.2 | | 9.5 | | 45.1 | 53.5 | |
| 9.5 | | 59.6 | 36.8 | | 9.2 | | 44.0 | 35.9 | K | 9.2 | | 26.4 | 4.9 | | 9.3 | | 54.5 | 35.3 | | 9.5 | 10 | 19.4 | 9.9 | |
| 9.0 | 3 | 5.0 | 4.4 | | 8.1 | 19 | 17.9 | 54.4 | K | 9.3 | | 29.5 | 21.1 | | 6.8 | 52 | 9.2 | 17.6 | K | 9.5 | | 30.0 | 21.3 | |
| 9.2 | | 24.2 | 53.4 | | 8.6 | | 49.0 | 48.8 | | 9.2 | | 54.9 | 10.3 | K | 9.3 | | 21.3 | 7.9 | | 6.8 | | 42.0 | 15.8 | K |
| 9.2 | | 26.3 | 35.4 | | 9.3 | | 56.2 | 20.9 | | 9.3 | | 57.4 | 29.9 | | 9.4 | | 46.5 | 43.9 | | 8.9 | | 49.8 | 11.6 | K |
| 8.8 | | 29.1 | 32.6 | | 9.1 | 20 | 34.5 | 53.3 | | 9.5 | 34 | 16.6 | 1.3 | | 9.5 | | 54.8 | 25.3 | | 9.4 | | 59.2 | 36.0 | aB |
| 9.5 | 4 | 10.4 | 13.3 | | 9.0 | | 53.8 | 5.0 | | 9.5 | | 30.5 | 9.6 | | 8.2 | 53 | 2.5 | 5.2 | K | 9.5 | 11 | 6.0 | 45.3 | |
| 9.5 | | 28.2 | 28.6 | | 8.3 | 21 | 3.2 | 14.9 | L | 9.4 | | 54.0 | 30.8 | B | 9.2 | | 40.0 | 18.8 | B | 9.1 | | 35.8 | 20.7 | |
| 9.5 | | 34.5 | 33.3 | | 9.5 | | 12.0 | 20.4 | | 9.5 | 35 | 3.5 | 15.6 | | 9.0 | 54 | 11.3 | 38.4 | | 8.8 | | 46.2 | 1.0 | |
| 8.5 | 5 | 15.0 | 36.0 | K | 9.5 | | 27.6 | 1.5 | | 8.5 | | 18.0 | 15.0 | B | 9.5 | | 20.0 | 10.8 | | 9.5 | 12 | 42.7 | 28.5 | |
| 8.8 | | 21.8 | 0.1 | K | 8.8 | | 55.7 | 45.5 | K | 9.5 | | 37.2 | 14.2 | | 9.3 | | 24.6 | 56.3 | | 9.1 | | 49.5 | 35.2 | aB b |
| 9.5 | | 37.5 | 8.5 | | 8.8 | | 56.5 | 59.5 | K | 9.4 | 36 | 5.1 | 44.8 | | 8.5 | | 29.3 | 44.7 | K | 8.3 | | 52.2 | 56.5 | K |
| 9.1 | | 37.9 | 25.0 | | 8.3 | 22 | 24.6 | 47.9 | K | 9.2 | | 19.8 | 28.0 | | 8.5 | | 33.1 | 30.4 | | 8.1 | 13 | 24.7 | 15.0 | K |
| 9.5 | | 55.6 | 39.7 | | 9.5 | | 25.4 | 31.8 | | 9.1 | | 20.9 | 5.2 | | 6.8 | 55 | 3.0 | 49.8 | K | 9.1 | | 28.0 | 9.9 | aK |
| 9.2 | 6 | 9.2 | 14.6 | b | 9.3 | | 32.4 | 14.4 | Kb | 8.5 | 37 | 9.3 | 9.7 | K | 8.8 | | 36.2 | 24.1 | B | 8.8 | 14 | 26.1 | 10.6 | B |
| 9.5 | | 16.9 | 33.6 | | 9.5 | | 59.7 | 11.0 | | 9.3 | | 13.4 | 40.2 | | 8.2 | | 39.6 | 50.2 | K | 9.4 | | 30.3 | 16.4 | |
| 9.5 | | 20.9 | 48.2 | | 9.5 | 23 | 24.1 | 36.9 | B | 9.1 | | 31.6 | 58.1 | | 8.0 | 56 | 10.7 | 50.2 | K | 8.9 | | 54.2 | 51.6 | |
| 5.8 | | 23.6 | 53.5 | K | 9.3 | | 30.0 | 57.4 | | 9.3 | 38 | 0.4 | 11.8 | | 9.3 | | 22.4 | 21.2 | aB | 9.2 | 15 | 16.1 | 59.3 | |
| 9.5 | | 37.7 | 42.5 | B | 9.2 | | 38.2 | 57.8 | | 9.3 | | 3.0 | 14.5 | | 9.4 | | 24.9 | 29.0 | | 9.3 | | 41.7 | 49.8 | |
| 9.5 | | 45.0 | 48.9 | | 9.2 | | 54.4 | 56.5 | | 9.2 | | 14.9 | 50.9 | K | 9.2 | | 31.5 | 9.8 | | 9.3 | | 42.2 | 45.3 | |
| 9.3 | 7 | 3.6 | 48.5 | | 9.5 | 24 | 44.9 | 42.5 | | 9.1 | | 35.1 | 57.3 | | 9.5 | 57 | 16.3 | 57.6 | | 8.3 | | 56.0 | 34.8 | |
| 9.3 | | 26.0 | 59.7 | B | 9.4 | | 47.8 | 44.5 | aB | 8.1 | | 38.1 | 33.6 | K | 9.5 | | 21.0 | 15.2 | | 8.8 | 16 | 6.1 | 10.9 | |
| 10pr. | | 26.33 | 2.90 | | 10pr. | | 26.84 | 3.00 | | 10pr. | | 27.35 | 3.09 | | 10pr. | | 28.00 | 3.18 | | 10pr. | | 28.70 | 3.25 | |

| 4671 a | | | | |
|---|---|---|---|---|
| 9.5 | 8 | 5.0 | 44.4 | a |

| 4701—4728 | | | | | 4729—4756 | | | | | 4757—4784 | | | | | 4785—4812 | | | | | 4813—4837 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23h | | +33° | | | 23h | | +33° | | | 23h | | +33° | | | 23h | | +33° | | | 23h | | +33° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.4 | 16′ | 26.9 | 31.4 | B | 9.5 | 25′ | 18.4 | 3.4 | B | 9.0 | 34′ | 26.5 | 12.3 | K | 9.2 | 43′ | 18.5 | 48.1 | | 8.3 | 52′ | 43.8 | 22.6 | K |
| 9.5 | | 53.0 | 19.0 | | 9.2 | | 24.0 | 39.0 | | 8.9 | | 44.2 | 44.3 | K | 8.8 | | 40.8 | 9.8 | | 9.5 | | 55.8 | 10.8 | |
| 9.5 | | 54.0 | 32.7 | | 9.3 | | 24.8 | 43.9 | | 9.0 | | 55.8 | 26.1 | | 9.1 | 44 | 3.0 | 50.6 | | 9.5 | | 56.3 | 8.5 | |
| 9.5 | 17 | 0.6 | 50.9 | | 8.2 | | 29.2 | 30.9 | | 9.5 | 35 | 6.6 | 5.4 | | 9.5 | | 38.9 | 33.0 | | 9.5 | 53 | 5.4 | 9.3 | B |
| 9.5 | | 15.2 | 1.8 | | 9.5 | | 53.0 | 21.2 | | 9.5 | | 42.4 | 20.6 | | 8.3 | | 55.2 | 12.3 | K | 9.5 | | 52.4 | 1.8 | |
| 9.5 | | 48.0 | 27.2 | | 8.7 | 26 | 15.9 | 54.2 | | 9.3 | | 44.7 | 57.5 | aB | 8.0 | 45 | 12.8 | 38.2 | K | 9.4 | | 54.6 | 35.1 | aB |
| 8.8 | 18 | 10.7 | 30.0 | | 9.5 | | 25.3 | 55.7 | | 7.0 | | 52.9 | 55.9 | K | 9.5 | | 46.4 | 35.8 | B | 8.5 | | 57.9 | 13.5 | K |
| 9.2 | | 12.3 | 36.2 | | 9.4 | | 31.7 | 1.2 | | 9.5 | 37 | 15.8 | 22.3 | | 9.1 | | 56.6 | 41.2 | Bb | 9.5 | 54 | 44.7 | 27.3 | |
| 8.8 | | 48.5 | 54.7 | | 9.0 | 27 | 22.8 | 13.7 | | 7.7 | | 33.2 | 53.9 | K | 9.5 | 46 | 6.0 | 30.3 | | 9.5 | 55 | 14.8 | 44.7 | |
| 9.5 | 20 | 28.6 | 46.6 | | 7.5 | | 23.8 | 33.7 | K | 9.0 | | 53.4 | 11.6 | | 9.5 | | 50.4 | 54.5 | | 9.3 | | 44.6 | 10.6 | |
| 8.0 | | 36.0 | 38.6 | Kb | 9.5 | | 51.1 | 58.9 | | 9.4 | 38 | 52.2 | 58.2 | | 9.5 | | 55.8 | 44.0 | | 8.9 | | 53.6 | 8.4 | K |
| 9.5 | | 47.5 | 47.0 | | 9.4 | | 59.2 | 1.1 | | 7.5 | 39 | 5.8 | 23.6 | L | 9.5 | 47 | 22.3 | 27.5 | | 9.5 | 56 | 9.3 | 45.2 | |
| 9.0 | | 55.8 | 18.9 | | 9.1 | 28 | 3.5 | 54.8 | | 9.4 | | 16.9 | 3.1 | | 8.5 | | 36.7 | 16.8 | | 9.0 | 57 | 0.4 | 19.3 | K |
| 8.5 | 21 | 37.8 | 47.3 | | 9.5 | | 15.8 | 17.8 | | 8.7 | | 23.4 | 1.9 | | 8.6 | | 40.3 | 5.8 | K | 9.5 | | 6.9 | 53.1 | |
| 9.3 | 22 | 4.5 | 31.4 | | 9.2 | | 17.9 | 53.0 | | 9.0 | | 25.8 | 18.9 | L | 9.5 | 48 | 0.3 | 38.6 | | 7.0 | | 13.8 | 27.4 | K |
| 9.5 | | 5.9 | 9.5 | | 8.3 | 29 | 58.6 | 50.7 | B | 9.5 | 40 | 13.4 | 9.0 | | 9.1 | | 20.2 | 19.5 | | 6.3 | | 17.2 | 51.6 | K |
| 8.8 | | 7.8 | 50.0 | | 9.5 | 30 | 16.8 | 57.9 | | 7.5 | | 19.3 | 43.7 | L | 8.7 | | 22.2 | 57.8 | K | 9.0 | | 36.5 | 4.2 | K |
| 8.9 | | 13.7 | 50.7 | | 9.5 | | 42.5 | 35.4 | | 8.9 | | 27.4 | 58.9 | K | 9.5 | 49 | 2.8 | 22.6 | | 8.7 | | 44.3 | 10.6 | K |
| 8.8 | | 30.1 | 12.0 | K | 9.0 | | 59.2 | 59.8 | | 9.5 | | 32.0 | 14.0 | | 8.6 | 50 | 1.3 | 16.4 | | 9.5 | | 56.7 | 0.1 | |
| 9.4 | 23 | 19.4 | 22.0 | | 9.2 | | 59.2 | 17.1 | b | 9.5 | | 43.3 | 32.3 | | 9.0 | | 20.8 | 56.1 | K | 7.6 | 58 | 2.8 | 17.5 | L |
| 7.2 | | 40.6 | 1.8 | K | 7.8 | 32 | 3.3 | 54.8 | L | 9.0 | 41 | 2.0 | 2.3 | B | 9.0 | | 23.5 | 52.5 | K | 9.2 | | 26.3 | 22.7 | |
| 9.1 | | 54.3 | 31.0 | | 9.4 | | 3.9 | 19.9 | | 9.5 | | 2.3 | 43.7 | B | 9.2 | | 28.0 | 36.4 | | 9.3 | | 56.9 | 12.3 | |
| 9.5 | | 56.6 | 44.5 | | 8.3 | | 20.4 | 15.0 | | 8.8 | | 11.6 | 23.8 | Bb | 9.5 | | 28.7 | 44.3 | | 8.3 | | 57.5 | 48.0 | K |
| 8.6 | 24 | 20.8 | 44.9 | K | 9.5 | | 28.3 | 55.0 | | 9.5 | 42 | 26.4 | 5.7 | | 9.2 | 51 | 42.3 | 26.8 | K | 9.1 | 59 | 45.8 | 31.1 | |
| 9.3 | | 49.9 | 42.4 | K | 8.5 | 33 | 2.6 | 0.9 | | 9.5 | | 49.9 | 21.6 | | 9.5 | 52 | 0.8 | 19.8 | | 8.5 | | 53.5 | 53.5 | K |
| 9.5 | | 58.0 | 4.0 | | 9.1 | | 47.5 | 58.0 | | 9.4 | 43 | 10.4 | 10.6 | | 9.3 | | 16.8 | 13.6 | | | | + | + | |
| 9.5 | 25 | 7.0 | 47.9 | | 9.5 | 34 | 5.3 | 54.6 | | 8.5 | | 11.5 | 39.5 | | 9.1 | | 29.4 | 30.2 | | *10pr.* | | *30.60* | *3.34* | |
| 9.1 | | 14.1 | 25.5 | b | 9.4 | | 22.2 | 22.5 | B | 9.0 | | 17.2 | 0.7 | | 8.8 | | 27.8 | 48.8 | K | | | | | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | | | |
| *10pr.* | | *29.25* | *3.29* | | *10pr.* | | *29.49* | *3.31* | | *10pr.* | | *29.93* | *3.33* | | *10pr.* | | *30.25* | *3.34* | | | | | | |

# Zone +34°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ᵘ | | +34° | | 0ᵘ | | +34° | | 0ᵘ | | +34° | | 0ᵘ | | +34° | | 0ᵘ—1ᵘ | | +34° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 0 | 2.7 | 54.8 | K | 9.5 | 14 | 43.2 | 34.1 | | 8.4 | 28 | 38.7 | 59.1 | K | 8.4 | 42 | 6.4 | 32.5 | | 9.5 | 52 | 44.6 | 19.7 | |
| 9.5 | | 11.3 | 18.3 | | 6.8 | | 45.9 | 43.5 | aL | 9.5 | | 44.8 | 37.5 | | 7.7 | | 8.1 | 11.0 | L | 9.0 | | 46.7 | 57.0 | |
| 7.2 | | 58.5 | 7.0 | K | 9.2 | 15 | 4.9 | 27.5 | K | 9.5 | | 59.4 | 36.2 | | *9.0 | | 9.3 | 3.0 | K | 9.5 | | 54.3 | 15.8 | |
| 9.5 | 2 | 2.1 | 1.6 | | 9.5 | | 41.9 | 8.9 | | 9.4 | 29 | 3.1 | 58.4 | | 9.2 | | 20.1 | 5.2 | | 8.3 | 53 | 25.4 | 47.1 | K |
| 9.1 | | 5.9 | 51.6 | | 9.1 | | 50.5 | 1.5 | aB | 9.0 | | 21.7 | 59.8 | | 9.5 | | 27.5 | 0.6 | | 8.3 | | 28.6 | 35.7 | K |
| 8.9 | | 7.8 | 29.8 | K | 8.9 | 16 | 39.5 | 0.2 | K | 5.8 | | 36.6 | 36.2 | K | 9.1 | | 31.3 | 45.9 | aB | 8.5 | 54 | 24.0 | 53.6 | L |
| 9.5 | 4 | 1.4 | 14.4 | | 9.5 | | 41.3 | 52.8 | | 9.1 | | 44.4 | 23.5 | K | 8.3 | | 46.1 | 39.0 | B | 8.1 | | 42.2 | 49.3 | L |
| 9.1 | | 1.8 | 21.8 | K | 9.4 | | 45.7 | 59.3 | | 9.5 | | 51.0 | 5.8 | | 9.5 | | 49.5 | 9.6 | | 9.3 | 55 | 8.2 | 36.4 | |
| 8.8 | | 4.9 | 14.6 | K | 9.5 | 17 | 19.8 | 38.6 | | 9.5 | | 55.1 | 38.1 | | 9.0 | 43 | 11.1 | 39.5 | K | 9.0 | | 11.4 | 27.3 | |
| 8.6 | | 40.6 | 53.5 | | 9.1 | | 36.2 | 2.3 | | 9.5 | 30 | 16.3 | 6.1 | | 9.4 | | 17.3 | 32.2 | | 8.2 | | 55.6 | 23.4 | K |
| 8.2 | 5 | 25.3 | 48.4 | | 7.0 | | 39.3 | 14.3 | L | 9.5 | | 25.0 | 28.4 | | 9.2 | | 21.7 | 55.7 | | 7.2 | | 58.3 | 40.5 | L |
| 9.0 | | 32.8 | 32.2 | B | 8.7 | 18 | 14.2 | 22.7 | K | 9.4 | | 40.9 | 54.7 | | 9.1 | | 23.6 | 45.7 | B | 9.1 | 56 | 21.1 | 18.2 | K |
| 7.5 | | 33.6 | 29.2 | K | 7.8 | | 14.8 | 31.3 | K | 9.5 | | 50.2 | 28.1 | | 9.5 | | 49.8 | 1.3 | | 9.2 | | 42.7 | 25.9 | |
| 8.5 | | 41.3 | 59.7 | K | 8.5 | 19 | 2.2 | 6.8 | L | 9.5 | 31 | 9.8 | 13.8 | | 9.5 | 44 | 4.7 | 32.9 | | 9.4 | 57 | 25.0 | 14.4 | |
| 8.5 | | 58.2 | 6.3 | | 9.5 | | 33.3 | 26.1 | | 9.4 | | 24.1 | 50.1 | B | 9.5 | | 50.3 | 38.0 | | 9.4 | | 30.0 | 23.5 | |
| 8.4 | 6 | 9.5 | 1.5 | | 8.1 | | 51.8 | 46.9 | Kb | 9.0 | 32 | 16.6 | 52.6 | K | 9.3 | | 55.4 | 26.7 | | 9.5 | | 38.4 | 0.7 | |
| 9.5 | | 15.3 | 58.7 | | 9.5 | 20 | 21.4 | 28.5 | | 9.3 | | 52.8 | 40.2 | | 8.8 | 45 | 47.5 | 56.6 | | 9.2 | | 39.3 | 23.8 | B |
| 7.3 | | 41.3 | 36.0 | K | 9.4 | | 23.9 | 35.4 | | 8.9 | 33 | 15.0 | 39.8 | K | 8.9 | | 52.6 | 20.0 | K | 8.8 | | 46.2 | 27.0 | K |
| 9.4 | | 44.1 | 40.6 | | 8.0 | | 36.9 | 28.2 | K | 9.5 | | 28.8 | 5.5 | | 9.4 | 46 | 5.4 | 30.5 | | 8.9 | | 52.7 | 19.7 | K |
| 7.3 | 7 | 36.7 | 4.5 | K | 9.4 | | 38.6 | 57.3 | | 9.5 | | 45.7 | 57.8 | | 8.9 | | 13.1 | 15.9 | K | 9.2 | | 52.7 | 55.4 | |
| 9.5 | 8 | 2.8 | 47.0 | | 9.5 | | 43.2 | 44.9 | | 9.4 | 34 | 3.1 | 3.4 | | 9.5 | | 24.0 | 58.4 | | 7.5 | 58 | 6.6 | 44.1 | Lb |
| 9.5 | | 37.2 | 26.7 | | 9.5 | | 53.0 | 32.5 | | 9.5 | | 34.3 | 41.9 | | 9.5 | | 36.5 | 0.6 | | 7.7 | | 44.6 | 47.5 | K |
| 9.5 | | 39.1 | 17.0 | | 9.4 | 21 | 57.8 | 27.9 | | 9.5 | | 35.3 | 45.7 | B | 9.5 | | 55.8 | 11.2 | | 7.5 | | 46.2 | 23.0 | K |
| 8.5 | | 40.2 | 22.0 | K | 8.4 | 22 | 30.2 | 49.9 | L | 9.3 | | 35.5 | 57.4 | | 9.0 | 47 | 22.1 | 18.0 | B | 9.3 | | 58.0 | 59.8 | |
| 9.4 | 9 | 3.3 | 19.7 | | 9.4 | 23 | 2.0 | 16.1 | | 9.2 | | 45.6 | 51.7 | | 9.3 | | 41.9 | 52.4 | | 9.1 | 59 | 2.5 | 11.3 | |
| 9.5 | | 23.0 | 20.0 | | 9.5 | | 3.8 | 19.1 | | 9.4 | | 55.6 | 45.0 | | 8.9 | | 48.2 | 55.4 | K | 9.4 | | 28.9 | 9.1 | B |
| 9.0 | 10 | 42.8 | 18.1 | K | 9.3 | | 6.1 | 13.6 | | 8.9 | 35 | 14.7 | 12.4 | K | 9.2 | 48 | 17.8 | 23.4 | B | 9.1 | | 30.0 | 0.8 | |
| 9.5 | | 43.3 | 36.2 | | 9.3 | | 10.9 | 53.4 | | 8.0 | | 21.6 | 33.9 | K | 7.0 | | 18.3 | 26.2 | K | 9.3 | 0 | 14.9 | 28.7 | |
| 9.4 | | 44.8 | 41.1 | | 9.0 | | 13.2 | 12.6 | B | 9.5 | | 40.1 | 43.0 | | 8.0 | | 57.6 | 37.0 | K | 9.3 | | 18.3 | 47.8 | |
| 9.1 | | 46.6 | 32.7 | B | 9.5 | | 45.8 | 39.3 | | 9.3 | 36 | 5.5 | 19.2 | | 9.4 | 49 | 9.9 | 17.8 | B | 9.5 | | 37.6 | 40.2 | |
| 9.5 | 11 | 51.0 | 59.3 | B | 9.5 | | 58.8 | 25.4 | | 9.5 | 37 | 28.2 | 0.5 | | 9.5 | | 13.4 | 27.7 | | 9.5 | | 46.1 | 57.5 | B |
| 9.5 | | 52.3 | 21.1 | | 9.2 | 24 | 22.8 | 49.5 | R | 9.5 | 38 | 21.2 | 40.5 | | 8.0 | | 13.8 | 5.0 | L | 9.4 | 1 | 2.1 | 0.5 | |
| 9.4 | 12 | 0.0 | 56.1 | | 6.5 | | 32.5 | 10.8 | K | 9.4 | | 44.7 | 1.9 | | 8.3 | | 54.9 | 35.3 | K | 9.4 | | 6.3 | 5.9 | |
| 9.5 | | 7.5 | 12.8 | B | 9.0 | | 41.3 | 39.3 | R | 9.5 | | 50.4 | 3.0 | | 7.9 | | 58.6 | 12.1 | L | 7.4 | | 14.0 | 1.7 | L |
| 9.5 | | 7.8 | 35.6 | | 9.5 | 26 | 24.3 | 54.3 | | 9.1 | 39 | 4.3 | 3.8 | *b* | 9.0 | 50 | 10.5 | 22.8 | | 9.4 | | 14.8 | 32.5 | |
| 9.2 | | 8.3 | 31.4 | | 9.5 | | 40.0 | 2.9 | | 8.8 | 40 | 11.2 | 3.8 | | 9.5 | 51 | 43.4 | 35.4 | | 8.9 | | 18.5 | 8.3 | |
| 8.4 | | 14.3 | 48.4 | aKb | 9.5 | 27 | 13.8 | 1.7 | | 8.0 | | 17.7 | 57.0 | Lb | 9.4 | | 53.6 | 47.1 | | 9.3 | | 27.9 | 28.1 | B |
| 9.5 | | 57.5 | 16.0 | | 9.4 | | 41.2 | 9.2 | | 9.5 | 41 | 11.2 | 26.3 | | 9.3 | 52 | 3.5 | 15.3 | K | 2.2 | | 37.6 | 50.5 | K |
| 9.0 | 13 | 30.2 | 50.4 | | 7.7 | | 45.8 | 51.1 | L | 9.5 | | 29.9 | 20.4 | | 9.5 | | 17.3 | 17.5 | | 8.5 | | 54.2 | 55.7 | B |
| 8.9 | 14 | 27.7 | 0.5 | K | 9.5 | 28 | 21.8 | 4.5 | | 9.0 | | 36.4 | 38.5 | | 7.3 | | 20.5 | 54.3 | Lb | 8.4 | 3 | 9.4 | 12.9 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 31.03 | 3.34 | | 10pr. | | 31.55 | 3.33 | | 10pr. | | 32.08 | 3.30 | | 10pr. | | 32.57 | 3.27 | | 10pr. | | 33.02 | 3.24 | |

123 α
var | 42 13 | 51.8 |

| 201—260 | | | | | 261—320 | | | | | 321—380 | | | | | 381—440 | | | | | 441—500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1° | | +34° | | | 1° | | +34° | | | 1°—2° | | +34° | | | 2° | | +34° | | | 2° | | +34° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 3 | 9.8 | 7.4 | | 9.2 | 23 | 13.1 | 0.5 | K | 7.9 | 43 | 12.1 | 56.6 | K | 3.0 | 0 | 57.2 | 18.0 | K | 8.5 | 19 | 40.2 | 50.9 | K |
| 8.1 | | 33.7 | 20.1 | K | 9.4 | | 14.1 | 25.8 | B | 9.5 | 44 | 8.0 | 49.6 | | 8.8 | 1 | 19.8 | 7.9 | | 8.3 | | 45.0 | 39.2 | K |
| 8.9 | 4 | 8.2 | 24.6 | K | 9.5 | | 18.8 | 26.0 | | 9.5 | | 22.2 | 12.2 | | 9.5 | | 41.7 | 28.5 | | 9.5 | | 45.4 | 16.4 | |
| 9.3 | | 20.2 | 51.5 | | 9.5 | | 26.6 | 39.5 | | 9.5 | | 24.7 | 21.4 | | 9.4 | | 49.7 | 7.4 | | 9.4 | 20 | 13.5 | 3.0 | |
| 9.5 | | 30.0 | 20.8 | | 6.6 | | 53.5 | 3.6 | K | 8.4 | | 42.7 | 35.0 | L | 9.5 | 2 | 5.1 | 11.0 | | 9.5 | 21 | 26.9 | 2.4 | B |
| 8.1 | | 31.5 | 24.6 | B | 9.0 | | 57.7 | 8.7 | K | 8.6 | | 54.6 | 5.2 | K | 9.4 | | 10.6 | 48.0 | | 9.1 | | 47.0 | 53.6 | |
| 9.4 | | 35.5 | 50.0 | | 9.4 | 24 | 18.5 | 2.9 | | 8.5 | 45 | 14.9 | 22.1 | K | 9.5 | | 12.8 | 55.8 | | 9.3 | 22 | 18.6 | 29.2 | ? |
| 9.5 | | 36.2 | 26.7 | | 9.5 | | 49.3 | 32.8 | | 9.5 | 46 | 14.0 | 22.3 | | 9.4 | | 22.9 | 10.3 | B | 8.0 | | 22.8 | 16.8 | K |
| 9.5 | | 46.0 | 38.8 | | 9.5 | 25 | 23.8 | 32.8 | | 9.1 | | 30.0 | 53.7 | ab | 9.5 | | 26.6 | 25.3 | | 8.8 | | 23.5 | 45.1 | B |
| 8.8 | | 49.2 | 4.8 | | 7.2 | | 36.0 | 51.5 | L | 8.9 | | 39.4 | 52.6 | | 9.1 | | 44.8 | 16.1 | b | 9.4 | | 27.7 | 51.5 | |
| 8.6 | 5 | 30.3 | 9.6 | | 9.5 | | 51.5 | 39.8 | | 9.5 | | 59.4 | 15.9 | | 9.1 | 4 | 14.9 | 38.6 | Kb | 8.8 | 23 | 6.9 | 58.5 | |
| 9.5 | | 50.5 | 13.2 | | 7.0 | 26 | 20.7 | 23.0 | K | 9.5 | 47 | 17.0 | 13.9 | | 9.2 | | 36.6 | 30.3 | K | 9.4 | | 13.0 | 12.8 | B |
| 8.7 | 6 | 2.3 | 15.2 | | 8.8 | | 21.8 | 35.5 | | 9.4 | | 25.9 | 14.9 | B | 9.5 | | 44.3 | 32.6 | | 9.5 | | 17.9 | 38.6 | |
| 8.5 | | 4.0 | 49.3 | | 9.3 | | 35.8 | 31.7 | | 9.5 | | 34.3 | 35.1 | | 9.5 | 5 | 34.8 | 44.1 | | 7.8 | | 21.4 | 2.1 | L |
| 7.8 | | 55.3 | 6.9 | B | 9.3 | | 55.6 | 57.3 | K | 9.1 | | 41.2 | 16.4 | K | 9.5 | | 36.7 | 53.8 | | 9.5 | | 39.1 | 57.6 | |
| 9.5 | 7 | 12.3 | 8.5 | | 9.0 | 27 | 19.4 | 2.2 | | 9.5 | | 50.5 | 37.0 | | 8.5 | | 46.1 | 13.3 | K | 9.3 | | 40.5 | 2.5 | |
| 8.8 | | 40.4 | 6.1 | | 8.8 | | 44.8 | 13.6 | | 9.5 | 48 | 2.3 | 2.3 | | 9.4 | 6 | 6.2 | 36.8 | | 8.4 | | 46.6 | 37.5 | |
| 9.1 | | 49.0 | 20.4 | | 7.9 | 28 | 9.5 | 23.4 | L | 8.9 | | 9.2 | 57.1 | Kb | 9.3 | | 22.4 | 15.2 | B | 8.9 | | 55.6 | 33.1 | K |
| 9.5 | 8 | 0.9 | 52.3 | B | 9.4 | | 9.6 | 16.4 | | 9.3 | | 12.2 | 22.3 | | 9.3 | | 48.7 | 45.8 | | 9.5 | | 59.3 | 36.3 | B |
| 8.3 | | 3.3 | 27.3 | | 8.1 | | 21.4 | 53.1 | Lb | 9.5 | 49 | 7.8 | 57.4 | | 9.4 | | 56.5 | 55.7 | | 9.1 | 24 | 19.4 | 45.9 | |
| 9.2 | | 46.2 | 7.7 | K | 9.5 | | 31.7 | 47.8 | | 9.4 | | 11.9 | 45.1 | | 9.5 | 7 | 19.4 | 34.1 | | 9.4 | 25 | 20.4 | 39.5 | |
| 9.5 | | 50.9 | 26.4 | | 8.9 | | 42.4 | 1.5 | | 9.4 | | 38.8 | 0.9 | | 8.4 | | 23.4 | 29.1 | K | 7.0 | | 30.5 | 30.3 | K |
| 9.3 | 9 | 18.9 | 37.5 | B | 9.0 | 29 | 34.8 | 34.2 | K | 9.5 | 50 | 0.4 | 30.2 | | 9.0 | | 27.0 | 21.9 | | 9.1 | | 31.6 | 12.1 | b |
| 7.7 | | 21.3 | 40.5 | K | 7.8 | | 49.8 | 36.6 | K | 9.5 | | 19.1 | 54.3 | | 8.2 | | 51.9 | 46.7 | K | 9.4 | | 32.5 | 55.9 | |
| 9.5 | | 26.8 | 20.0 | | 8.8 | | 49.8 | 53.8 | | 9.2 | | 36.9 | 24.2 | K | 9.2 | 8 | 18.0 | 10.7 | B | 8.7 | | 45.2 | 31.4 | K |
| 9.5 | 10 | 17.3 | 14.0 | | 9.5 | 30 | 8.3 | 49.6 | | 9.5 | | 45.5 | 32.9 | | 9.2 | | 58.1 | 17.7 | | 9.5 | 26 | 38.1 | 49.2 | |
| 8.9 | | 24.9 | 1.9 | K | 9.5 | | 14.2 | 3.4 | | 9.5 | 51 | 2.9 | 2.6 | | 8.5 | 9 | 31.9 | 38.9 | K | 9.1 | | 44.2 | 6.9 | B |
| 9.5 | 11 | 37.7 | 47.4 | | 9.5 | | 32.5 | 8.8 | | 9.5 | | 12.7 | 9.6 | | 9.5 | | 57.8 | 3.3 | | 9.4 | | 52.0 | 9.5 | |
| 9.3 | | 49.2 | 34.0 | | 9.5 | 31 | 21.2 | 9.5 | | 9.4 | | 13.5 | 43.9 | | 9.4 | 10 | 13.9 | 10.0 | | 5.6 | 27 | 0.2 | 3.0 | Kb |
| 8.0 | 12 | 1.8 | 12.4 | B | 9.5 | | 21.8 | 35.4 | | 9.5 | | 22.4 | 22.0 | | 9.5 | 11 | 17.0 | 57.8 | | 9.0 | | 3.4 | 27.0 | |
| 7.8 | | 4.3 | 21.6 | B | 9.5 | | 32.9 | 41.2 | | 9.4 | | 46.8 | 53.8 | | 9.4 | | 26.9 | 39.7 | B | 7.3 | | 4.1 | 5.0 | K |
| 9.0 | | 8.6 | 50.0 | | 9.5 | | 45.4 | 46.8 | | 9.5 | 52 | 8.5 | 1.4 | | 9.2 | | 55.2 | 17.0 | B | 9.0 | | 26.9 | 6.3 | |
| 8.8 | | 20.7 | 51.4 | | 9.5 | 32 | 5.4 | 2.9 | | 9.5 | | 23.6 | 12.4 | | 9.2 | 12 | 28.9 | 23.6 | Kb | 9.1 | | 30.7 | 50.7 | |
| 9.5 | | 57.4 | 44.7 | | 9.3 | | 45.8 | 8.0 | | 7.8 | | 32.4 | 35.7 | K | 8.9 | | 41.8 | 29.4 | | 8.9 | | 33.2 | 53.9 | K |
| 9.5 | 13 | 34.0 | 44.0 | | 9.4 | | 47.5 | 39.8 | | 8.9 | | 43.2 | 45.7 | | 9.2 | 13 | 2.8 | 1.5 | | 9.4 | 28 | 40.8 | 50.6 | |
| 9.0 | | 55.4 | 6.6 | K | 9.5 | 33 | 8.6 | 47.1 | | 9.5 | | 59.3 | 28.0 | | 9.3 | | 3.1 | 45.5 | | 7.5 | 29 | 1.7 | 31.9 | K |
| 9.4 | 14 | 13.9 | 18.4 | | 6.0 | | 42.5 | 30.3 | K | 9.5 | 53 | 14.4 | 50.1 | | 9.2 | | 19.4 | 35.0 | K | 9.4 | | 7.9 | 57.8 | B |
| 9.5 | | 35.1 | 55.5 | | 9.0 | | 47.8 | 2.6 | | 9.5 | | 26.6 | 33.8 | | 9.3 | | 22.0 | 7.2 | | 9.3 | | 20.0 | 58.0 | aB |
| 9.1 | 15 | 30.9 | 0.5 | K | 9.4 | 34 | 12.5 | 17.8 | a | 9.5 | | 27.5 | 17.9 | | 9.5 | | 40.9 | 20.9 | | 9.5 | | 27.1 | 1.2 | |
| 9.5 | | 56.5 | 46.7 | | 9.5 | 35 | 35.7 | 54.4 | | 9.1 | 54 | 23.5 | 32.3 | b | 9.5 | | 55.7 | 38.2 | | 9.4 | | 44.3 | 31.7 | |
| 9.5 | 16 | 15.4 | 37.8 | | 9.4 | 36 | 13.5 | 15.0 | | 9.2 | | 42.4 | 31.1 | | 9.4 | 14 | 14.6 | 5.2 | | 9.5 | | 44.7 | 13.6 | |
| 9.5 | | 24.1 | 23.1 | | 9.5 | | 29.3 | 35.6 | | 8.9 | 55 | 8.1 | 10.5 | | 9.5 | | 16.5 | 46.2 | | 9.1 | | 44.8 | 46.6 | K |
| 7.9 | | 55.0 | 58.5 | K | 9.5 | | 48.1 | 53.3 | | 7.8 | | 13.5 | 54.2 | K | 9.2 | | 18.4 | 0.2 | Bb | 8.8 | | 56.5 | 38.8 | K |
| 9.4 | 17 | 22.4 | 46.8 | | 7.3 | | 57.1 | 59.1 | Kb | 9.5 | | 35.4 | 15.0 | | 9.4 | | 42.8 | 19.4 | | 8.3 | 30 | 2.7 | 34.5 | K |
| 9.5 | | 26.2 | 17.5 | | 8.7 | 37 | 4.5 | 8.2 | | 9.5 | | 48.3 | 16.6 | | 7.0 | | 46.1 | 47.0 | K | 9.1 | | 31.0 | 51.9 | |
| 9.1 | 18 | 35.3 | 23.5 | b | 9.5 | | 44.0 | 0.5 | | 9.5 | 56 | 13.8 | 21.7 | | 9.5 | | 50.9 | 23.4 | | 9.3 | 31 | 0.6 | 39.4 | |
| 9.5 | | 53.1 | 26.3 | | 9.4 | 38 | 10.4 | 25.9 | a | 9.5 | | 15.6 | 0.4 | | 9.5 | 15 | 54.6 | 1.1 | | 8.6 | | 3.4 | 48.0 | K |
| 9.3 | | 56.1 | 33.9 | | 9.2 | | 27.7 | 26.1 | Bb | 9.5 | | 40.0 | 58.4 | | 9.5 | | 58.1 | 44.3 | B | 8.8 | | 40.2 | 39.7 | K |
| 9.2 | 19 | 3.4 | 36.4 | | 9.5 | 39 | 0.0 | 56.4 | | 9.5 | | 51.5 | 14.4 | | 9.4 | 16 | 30.5 | 59.2 | B | 8.8 | | 40.4 | 1.2 | |
| 8.5 | | 28.3 | 38.9 | B | 9.3 | 40 | 35.2 | 21.0 | | 9.3 | | 57.6 | 21.7 | b | 9.5 | | 31.1 | 46.4 | B | 9.3 | | 47.4 | 46.5 | B |
| 9.0 | | 32.9 | 1.7 | K | 7.8 | | 48.2 | 11.1 | L | 9.5 | 57 | 8.7 | 8.0 | | 9.5 | | 37.2 | 39.6 | | 9.5 | 32 | 5.0 | 46.6 | B |
| 8.7 | 20 | 41.4 | 17.2 | K | 7.8 | | 49.7 | 43.2 | B | 9.5 | | 14.5 | 15.1 | | 7.2 | | 43.7 | 22.0 | K | 8.9 | | 8.4 | 12.7 | |
| 8.7 | | 42.3 | 9.5 | K | 9.5 | | 54.7 | 27.8 | | 8.8 | 58 | 0.8 | 48.3 | K | 9.0 | | 56.3 | 36.0 | K | 9.4 | | 9.7 | 21.2 | |
| 9.5 | 21 | 17.5 | 47.8 | | 9.5 | 41 | 13.9 | 1.5 | | 9.5 | | 5.4 | 58.3 | | 9.2 | | 58.7 | 15.5 | | 9.5 | | 23.8 | 30.4 | |
| 9.5 | | 30.9 | 2.8 | | 9.5 | | 43.5 | 1.8 | | 8.8 | | 23.2 | 40.5 | | 8.6 | 17 | 26.6 | 11.8 | B | 9.2 | | 37.1 | 56.3 | |
| 9.5 | | 53.7 | 44.0 | | 9.5 | | 58.8 | 53.0 | | 7.3 | 59 | 17.5 | 51.4 | Lb | 9.5 | | 42.3 | 16.7 | | 9.5 | 33 | 11.4 | 53.4 | |
| 9.5 | 22 | 24.6 | 15.5 | | 9.2 | 42 | 1.2 | 11.5 | | 9.5 | 0 | 5.0 | 42.6 | | 6.9 | 18 | 3.1 | 57.0 | K | 9.5 | | 15.2 | 15.8 | |
| 9.2 | | 38.4 | 4.7 | | 9.0 | | 16.8 | 27.9 | | 9.4 | | 20.9 | 8.4 | | 9.3 | | 16.4 | 6.9 | B | 9.5 | | 15.6 | 7.4 | |
| 9.5 | | 49.3 | 50.0 | | 8.9 | | 54.3 | 1.3 | | 8.3 | | 24.7 | 59.5 | K | 9.4 | | 31.5 | 10.9 | | 8.9 | 34 | 21.3 | 48.6 | K |
| 9.5 | | 55.0 | 42.3 | | 8.0 | | 57.7 | 44.2 | L | 9.1 | | 29.0 | 16.3 | K | 8.6 | 19 | 3.3 | 44.8 | K | 9.2 | | 33.0 | 54.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 33.56 | 3.18 | | 10pr. | | 34.28 | 3.08 | | 10pr. | | 35.02 | 2.95 | | 10pr. | | 35.70 | 2.81 | | 10pr. | | 36.22 | 2.68 | |

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵘ | | +34° | | | 2ᵘ—3ᵘ | | +34° | | | 3ᵘ | | +34° | | | 3ᵘ | | +34° | | | 3ᵘ | | +34° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 34 | 48.0 | 48.1 | | 9.5 | 52 | 41.5 | 18.7 | | 8.5 | 10 | 19.9 | 37.9 | K | 9.5 | 25 | 0.5 | 20.4 | | 7.0 | 40 | 55.8 | 22.6 | B |
| 9.4 | | 52.3 | 10.3 | B | 9.5 | 53 | 28.7 | 34.1 | | 9.0 | | 32.4 | 40.3 | K | 8.5 | | 27.7 | 51.4 | | 9.4 | | 57.1 | 23.3 | |
| 9.2 | 35 | 2.3 | 52.8 | | 9.5 | | 29.5 | 45.9 | | 8.0 | | 35.0 | 56.7 | Kb | 9.0 | | 52.0 | 36.6 | | 9.4 | 41 | 7.7 | 17.7 | B |
| 7.3 | | 20.9 | 30.5 | L | 9.5 | 54 | 44.4 | 28.7 | | 9.0 | | 57.5 | 32.4 | | 8.5 | 26 | 6.9 | 37.9 | K | 9.3 | | 7.7 | 13.4 | B |
| 9.4 | | 31.0 | 47.6 | | 9.3 | 55 | 8.0 | 40.7 | | 8.9 | 11 | 23.0 | 43.1 | K | 8.0 | | 13.2 | 59.1 | K | 9.2 | | 32.6 | 33.0 | |
| 9.4 | 36 | 8.7 | 42.8 | | 8.7 | | 18.9 | 50.1 | K | 8.1 | | 33.9 | 43.5 | K | 9.5 | | 16.6 | 40.0 | B | 7.2 | | 34.9 | 39.5 | K |
| 9.4 | | 12.3 | 49.7 | | 8.2 | | 58.4 | 13.1 | K | 9.0 | | 54.7 | 25.5 | | 9.5 | | 37.5 | 2.2 | | 7.8 | 42 | 8.4 | 9.4 | K |
| 9.4 | | 17.9 | 35.4 | B | 9.4 | 56 | 5.5 | 25.2 | | 9.5 | 12 | 8.2 | 47.9 | B | 9.3 | | 46.8 | 0.2 | | 8.9 | | 16.3 | 41.2 | B |
| 9.3 | | 45.2 | 2.2 | | 9.5 | | 13.5 | 24.2 | | 9.3 | | 33.0 | 12.0 | B | 7.5 | | 47.9 | 26.7 | L | 9.0 | | 20.2 | 25.9 | |
| 7.2 | 37 | 10.1 | 49.9 | L | 9.2 | | 32.5 | 44.8 | | 9.1 | | 38.9 | 34.1 | *b* | 9.1 | | 48.0 | 24.5 | *α*B | 9.3 | | 21.2 | 55.4 | |
| 9.0 | 38 | 2.7 | 13.6 | K | 9.5 | | 39.9 | 35.0 | | 9.5 | | 47.5 | 16.8 | | 9.3 | | 58.0 | 19.5 | | 8.9 | | 27.7 | 26.9 | *B* |
| 9.5 | | 3.0 | 14.0 | B | 9.4 | | 42.2 | 31.0 | B | 9.5 | 13 | 36.8 | 26.3 | B | 9.3 | 27 | 36.4 | 15.2 | | 9.1 | | 28.7 | 26.5 | *aB* |
| 6.5 | | 10.2 | 56.6 | K | 9.0 | 57 | 18.5 | 40.7 | | 9.5 | | 50.0 | 49.9 | | 7.4 | | 41.5 | 34.1 | K | 9.0 | | 34.1 | 3.4 | |
| 9.2 | 40 | 8.5 | 30.0 | | 8.7 | | 28.3 | 53.1 | | 9.4 | 14 | 12.0 | 25.9 | | 9.5 | | 53.6 | 55.1 | | 9.3 | | 51.5 | 14.8 | |
| 9.3 | | 10.2 | 35.5 | | 9.2 | | 35.6 | 59.4 | | 9.0 | | 43.1 | 5.2 | | 8.0 | 28 | 13.0 | 40.7 | K | 8.9 | 43 | 6.9 | 1.4 | |
| 9.3 | | 16.5 | 6.7 | | 8.8 | | 47.8 | 8.5 | K | 8.6 | | 52.5 | 20.7 | K | 9.0 | | 20.4 | 40.3 | | 9.5 | | 14.3 | 35.4 | |
| 8.1 | | 21.1 | 58.5 | B | 8.8 | | 47.8 | 54.0 | | 9.0 | | 56.0 | 57.3 | Kb | 9.5 | | 35.9 | 51.0 | | 9.3 | | 30.7 | 50.9 | |
| 9.5 | | 40.6 | 17.8 | | 8.3 | | 50.9 | 33.1 | | 9.4 | 15 | 6.0 | 49.7 | | 8.2 | | 40.7 | 29.1 | B | 8.8 | | 31.6 | 2.7 | |
| 8.5 | | 50.0 | 42.8 | | 9.5 | 58 | 9.0 | 6.6 | | 8.0 | | 8.8 | 58.7 | K | 9.4 | | 46.0 | 21.7 | | 9.0 | | 56.9 | 27.7 | |
| 7.8 | | 50.8 | 33.8 | *B* | 9.5 | | 50.0 | 48.0 | | 8.2 | 16 | 4.5 | 36.5 | | 8.7 | | 54.1 | 42.0 | B | 9.3 | 44 | 7.4 | 11.7 | |
| 9.2 | 41 | 12.2 | 9.5 | | 8.3 | | 56.2 | 40.4 | K | 9.5 | | 12.3 | 2.5 | | 9.5 | | 54.6 | 54.9 | | 8.5 | | 11.4 | 37.3 | |
| 9.5 | | 18.3 | 31.2 | B | 9.3 | 59 | 14.7 | 26.9 | | 8.4 | | 19.2 | 17.5 | | 9.3 | 30 | 0.0 | 33.8 | | 8.8 | 45 | 16.0 | 53.1 | |
| 9.1 | | 18.5 | 23.1 | K | 9.2 | | 15.1 | 3.8 | | 9.4 | | 40.4 | 23.1 | | 9.5 | | 16.0 | 51.0 | | 9.5 | | 25.9 | 31.6 | B |
| 7.0 | | 56.2 | 47.5 | L | 9.1 | | 17.5 | 10.8 | K | 9.5 | 17 | 2.1 | 31.0 | | 9.5 | | 40.8 | 1.6 | | 9.4 | | 50.3 | 32.1 | |
| 9.4 | 42 | 6.4 | 33.5 | B | 8.0 | | 42.7 | 53.3 | S | 8.0 | | 12.2 | 48.9 | L | 9.2 | | 46.1 | 10.1 | Kb | 9.5 | | 54.4 | 5.1 | |
| 9.3 | | 9.2 | 2.0 | | 9.3 | 0 | 25.8 | 4.9 | | 8.5 | | 35.2 | 14.2 | | 9.3 | 31 | 13.2 | 44.9 | | 9.0 | | 59.7 | 43.3 | |
| 4.2 | | 36.1 | 27.7 | Kb | 9.0 | | 32.0 | 12.3 | K | 9.0 | | 36.9 | 33.4 | | 9.4 | | 13.2 | 39.3 | | 8.8 | 46 | 35.0 | 7.3 | |
| 9.5 | | 45.2 | 52.5 | | 9.0 | | 37.5 | 19.3 | K | 8.8 | | 44.2 | 15.5 | | 9.4 | | 28.5 | 30.7 | | 6.2 | 47 | 8.9 | 39.4 | K |
| 9.4 | 43 | 2.2 | 54.3 | B | 8.2 | 1 | 14.7 | 55.8 | Kb | 9.5 | | 45.2 | 56.1 | | 9.3 | | 50.5 | 11.7 | | 9.5 | | 21.4 | 1.6 | |
| 8.9 | | 32.7 | 52.1 | B | 8.5 | | 41.4 | 27.3 | K | 8.9 | | 57.5 | 29.3 | | 9.5 | 32 | 7.1 | 35.1 | | 9.5 | 48 | 4.0 | 56.1 | |
| 9.3 | | 40.5 | 0.6 | | 9.3 | | 42.5 | 45.9 | | 9.5 | 18 | 1.5 | 35.5 | B | 9.0 | | 8.7 | 53.1 | | 9.5 | | 13.7 | 32.5 | |
| 9.3 | | 58.2 | 33.7 | | 9.5 | | 43.2 | 48.6 | | 8.2 | | 6.4 | 56.1 | L*b* | 8.4 | | 9.4 | 31.0 | K | 9.5 | | 34.7 | 50.9 | |
| 9.4 | 44 | 35.2 | 11.8 | | 9.2 | 2 | 9.1 | 59.3 | | 8.2 | | 21.0 | 17.3 | K | 9.4 | | 27.5 | 27.6 | | 7.0 | | 44.1 | 24.1 | K |
| 9.5 | | 47.9 | 3.5 | | 9.3 | | 15.9 | 41.7 | | 9.1 | | 23.6 | 55.4 | | 9.3 | | 44.4 | 50.3 | | 9.5 | | 57.5 | 9.2 | |
| 9.5 | 45 | 24.4 | 49.0 | | 8.2 | | 19.7 | 32.0 | K | 9.5 | | 26.4 | 56.1 | | 8.8 | | 45.9 | 35.4 | B | 8.8 | 49 | 53.8 | 49.1 | K |
| 9.2 | | 26.2 | 41.8 | | 8.0 | 3 | 19.5 | 26.2 | K | 9.1 | | 30.5 | 18.3 | | 8.9 | | 47.3 | 31.9 | B | 9.3 | | 54.9 | 6.7 | B |
| 9.5 | | 47.3 | 24.4 | | 9.5 | | 25.2 | 54.5 | | 8.5 | | 41.5 | 32.8 | K | 9.3 | 33 | 22.2 | 36.8 | | 9.5 | | 56.8 | 58.5 | |
| 9.5 | 46 | 20.5 | 31.2 | | 9.5 | | 33.7 | 25.2 | | 9.5 | 19 | 1.4 | 33.1 | | 9.2 | | 33.0 | 22.8 | | 9.5 | 50 | 1.6 | 55.9 | |
| 8.4 | | 27.9 | 21.7 | K | 7.8 | | 40.9 | 46.9 | K | 8.3 | | 2.7 | 46.8 | K | 9.3 | | 42.0 | 50.5 | | 9.5 | | 5.4 | 10.2 | |
| 8.2 | | 35.5 | 10.6 | B | 9.4 | | 46.5 | 20.4 | B | 8.3 | | 13.7 | 12.7 | | 9.4 | | 53.0 | 21.1 | | 9.4 | | 14.9 | 55.5 | B |
| 8.8 | | 40.8 | 58.9 | K | 8.3 | | 53.9 | 27.9 | K | 9.3 | | 28.1 | 41.7 | | 9.5 | | 54.0 | 24.1 | B | 9.3 | | 35.5 | 56.7 | |
| 8.5 | | 46.7 | 56.1 | K | 9.5 | | 53.9 | 4.8 | | 9.5 | | 36.0 | 50.5 | | 9.0 | 34 | 29.9 | 51.1 | | 9.5 | | 40.5 | 9.2 | B |
| 9.5 | 47 | 14.9 | 16.2 | | 9.0 | 4 | 38.0 | 34.5 | | 9.4 | | 55.0 | 59.9 | | 9.5 | | 52.5 | 12.5 | | 9.5 | | 40.6 | 3.8 | |
| 9.4 | | 30.4 | 51.7 | | 7.7 | 5 | 9.6 | 49.1 | K | 9.2 | 20 | 6.4 | 10.3 | | 9.5 | 35 | 10.4 | 30.0 | | 9.3 | | 50.9 | 41.8 | B |
| 9.2 | | 36.9 | 33.7 | | 9.5 | | 22.0 | 7.6 | | 9.2 | | 46.6 | 2.9 | | 9.0 | | 44.5 | 44.1 | | 9.3 | 51 | 5.7 | 28.8 | |
| 9.3 | 49 | 2.8 | 2.4 | K | 8.3 | | 36.7 | 15.2 | K | 9.2 | 21 | 17.0 | 51.7 | | 9.3 | 36 | 22.4 | 30.8 | | 9.5 | | 43.5 | 14.9 | |
| 9.4 | | 18.0 | 41.7 | | 9.5 | | 38.0 | 35.8 | | 9.5 | | 46.9 | 47.9 | | 9.3 | | 45.1 | 46.4 | | 9.4 | | 50.6 | 51.0 | |
| 9.0 | | 42.3 | 58.7 | Kb | 9.2 | 6 | 9.1 | 5.6 | B | 9.1 | | 51.4 | 34.5 | *b* | 8.8 | 37 | 31.8 | 59.5 | Kb | 9.3 | | 51.5 | 56.5 | |
| 9.1 | 50 | 4.8 | 17.5 | | 9.4 | | 13.1 | 0.8 | B | 8.8 | 22 | 21.4 | 11.0 | K | 9.3 | | 55.2 | 18.3 | | 9.0 | 52 | 9.9 | 6.6 | |
| 5.4 | | 6.3 | 35.7 | K | 6.5 | | 58.4 | 8.9 | K | 9.5 | | 21.9 | 50.0 | | 9.2 | 38 | 9.5 | 53.3 | | 9.3 | | 24.3 | 54.2 | |
| 9.5 | | 28.1 | 53.8 | ? | 7.5 | | 58.5 | 29.7 | K | 9.0 | | 39.5 | 17.3 | | 9.0 | | 15.9 | 22.9 | | 9.0 | | 33.4 | 57.2 | |
| 8.0 | | 32.6 | 45.8 | K | 9.0 | 7 | 3.5 | 33.7 | K | 9.2 | | 41.4 | 22.1 | | 9.0 | | 29.6 | 35.0 | | 9.0 | | 41.7 | 46.7 | |
| 9.5 | | 53.1 | 19.8 | | 9.3 | | 5.4 | 21.3 | B | 9.5 | 23 | 0.0 | 17.7 | | 8.5 | 39 | 0.4 | 8.1 | | 9.2 | 53 | 15.5 | 8.5 | |
| 9.1 | | 59.0 | 32.9 | | 9.5 | | 9.5 | 35.1 | | 6.0 | | 27.2 | 57.4 | K | 9.5 | | 10.7 | 26.8 | B | 8.0 | | 18.8 | 59.1 | K |
| 9.0 | 51 | 0.0 | 11.5 | | 9.2 | 9 | 1.0 | 14.5 | K | 9.5 | | 44.9 | 11.8 | | 9.4 | | 28.2 | 31.6 | B | 8.5 | | 24.4 | 44.7 | K |
| 9.5 | | 18.7 | 45.5 | | 9.5 | | 7.3 | 54.8 | B | 9.4 | | 49.2 | 7.4 | | 9.5 | | 28.3 | 26.0 | | 8.5 | | 31.4 | 55.1 | B |
| 8.3 | | 19.4 | 35.2 | L | 9.1 | | 17.5 | 16.2 | *b* | 8.0 | | 55.9 | 54.7 | K | 9.5 | | 30.7 | 26.2 | | 9.3 | | 38.5 | 13.8 | |
| 9.4 | 52 | 6.6 | 1.0 | | 9.4 | | 40.2 | 53.8 | | 9.0 | 24 | 5.9 | 51.5 | K | 9.3 | | 45.0 | 11.1 | | 7.5 | | 51.7 | 24.9 | K |
| 9.4 | | 16.0 | 13.2 | | 9.3 | | 40.5 | 9.4 | | 9.5 | | 19.5 | 12.0 | | 8.3 | 40 | 12.7 | 28.0 | K | 9.4 | | 55.2 | 54.7 | B |
| 9.5 | | 33.9 | 57.6 | | 9.5 | | 58.4 | 56.5 | | 9.3 | | 46.0 | 23.1 | | 9.0 | | 18.4 | 41.2 | | 9.1 | 54 | 13.3 | 44.5 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *36.74* | *2.52* | | *10 pr.* | | *37.27* | *2.34* | | *10 pr.* | | *37.71* | *2.17* | | *10 pr.* | | *38.06* | *2.01* | | *10 pr.* | | *38.43* | *1.82* | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵐ—4ᵐ | | +34° | | | 4ᵐ | | +34° | | | 4ᵐ—5ᵐ | | +34° | | | 5ᵐ | | +34° | | | 5ᵐ | | +34° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 54 | 16.7 | 26.0 | | | 8.9 | 11 | 12.7 | 25.2 | | 9.5 | 45 | 23.5 | 4.0 | | 9.5 | 6 | 50.4 | 11.2 | | 8.4 | 17 | 23.5 | 38.4 | |
| 9.5 | | 30.1 | 57.2 | | | 9.5 | | 48.8 | 3.7 | | 9.3 | 46 | 12.1 | 7.4 | | 9.5 | 7 | 33.4 | 20.3 | | 9.5 | | 23.9 | 42.4 | |
| 9.4 | | 49.7 | 59.4 | | | 7.5 | 12 | 2.4 | 13.1 | K | 9.5 | | 27.9 | 19.9 | | 9.5 | | 54.2 | 2.2 | | 9.2 | | 29.6 | 11.8 | K |
| 9.1 | 55 | 47.6 | 59.1 | | | 9.5 | | 16.5 | 28.0 | | 9.2 | | 29.7 | 56.5 | | 9.5 | | 54.5 | 20.6 | | var | | 32.7 | 2.1 | a |
| 9.5 | | 50.7 | 29.0 | | | 9.5 | | 20.6 | 59.6 | | 9.5 | 47 | 8.6 | 24.5 | B | 9.2 | | 58.7 | 4.7 | B | 9.2 | | 39.4 | 18.0 | K |
| 9.3 | | 55.5 | 45.0 | | | 9.5 | | 58.1 | 54.2 | | 9.5 | 48 | 2.5 | 9.6 | | 9.4 | 8 | 5.4 | 20.8 | | 8.8 | | 57.6 | 37.5 | |
| 8.5 | 56 | 13.4 | 45.9 | B | | 9.5 | 13 | 25.7 | 36.0 | | 8.0 | | 21.3 | 2.5 | K | 9.4 | | 23.3 | 1.4 | | 9.5 | | 58.9 | 23.0 | |
| 9.3 | | 18.7 | 41.2 | | | 9.0 | 14 | 5.0 | 21.8 | K | 8.9 | | 31.9 | 43.9 | | 9.5 | | 38.4 | 10.6 | | 6.0 | 18 | 2.8 | 21.1 | Kb |
| 9.3 | | 31.2 | 14.0 | B | | 9.3 | | 7.9 | 35.2 | B | 9.2 | | 33.6 | 38.0 | | 9.1 | | 50.5 | 54.7 | | 8.5 | | 6.9 | 24.4 | K |
| 9.2 | | 32.6 | 0.3 | Lb | | 9.3 | | 10.5 | 34.0 | | 8.0 | | 43.1 | 54.0 | K | 9.4 | | 56.3 | 5.5 | | 9.5 | | 13.4 | 45.2 | |
| 9.5 | | 34.8 | 24.2 | | | 9.4 | | 14.7 | 47.0 | | 9.5 | | 57.6 | 48.3 | | 9.5 | | 59.4 | 58.7 | | 8.3 | | 14.3 | 39.1 | |
| 9.4 | | 50.0 | 57.3 | | | 7.5 | | 31.5 | 53.5 | L | 8.0 | 49 | 8.0 | 9.7 | K | 9.5 | 9 | 19.0 | 40.9 | | 8.4 | | 15.7 | 45.9 | |
| 9.5 | 57 | 6.4 | 16.0 | | | 9.4 | | 42.3 | 58.3 | | 9.3 | | 28.3 | 58.2 | | 8.6 | | 19.4 | 14.7 | | 9.5 | | 28.5 | 20.0 | |
| 9.1 | 58 | 10.7 | 23.9 | | | 7.2 | | 52.0 | 54.2 | K | 9.4 | 51 | 39.0 | 16.3 | b | 7.8 | | 36.5 | 43.9 | L | 9.1 | | 31.2 | 17.7 | K |
| 9.1 | | 26.6 | 33.0 | B | | 8.7 | 15 | 14.7 | 10.8 | | 9.5 | | 58.2 | 33.4 | | 8.7 | | 38.4 | 24.7 | | 9.4 | | 32.3 | 45.3 | |
| 9.5 | | 26.8 | 3.6 | | | 9.5 | | 44.2 | 42.5 | | 9.3 | 52 | 30.5 | 36.4 | | 9.5 | | 39.2 | 18.9 | B | 9.5 | | 32.5 | 16.1 | |
| 8.5 | | 35.1 | 45.3 | K | | 8.9 | 16 | 4.8 | 3.9 | K | 9.5 | 53 | 7.0 | 47.2 | | 9.0 | | 39.4 | 5.6 | | 6.7 | | 48.4 | 34.2 | K |
| 9.5 | | 50.5 | 30.5 | | | 8.0 | | 46.7 | 23.6 | K | 9.2 | 54 | 40.5 | 14.8 | | 9.3 | | 54.3 | 15.3 | | 8.8 | 19 | 1.3 | 32.7 | K |
| 9.2 | 59 | 4.8 | 58.6 | K | | 9.5 | | 47.1 | 39.1 | | 8.5 | | 44.9 | 25.0 | K | 9.5 | 10 | 2.9 | 3.1 | | 9.0 | | 3.5 | 53.4 | |
| 9.5 | | 30.2 | 41.6 | | | 9.3 | 17 | 7.8 | 36.0 | | 9.3 | 55 | 12.2 | 48.7 | | 9.4 | | 9.4 | 15.2 | | 8.7 | | 9.0 | 44.3 | |
| 9.1 | | 41.7 | 21.8 | b | | 9.5 | | 53.7 | 0.0 | | 9.5 | | 30.2 | 56.7 | | 9.0 | | 18.5 | 53.9 | B | 9.5 | | 35.5 | 54.2 | |
| 9.5 | 0 | 38.4 | 21.1 | | | 8.0 | 18 | 38.1 | 41.6 | K | 8.5 | | 48.4 | 4.0 | K | 9.0 | | 47.7 | 16.5 | | 9.5 | | 47.3 | 40.6 | |
| 9.1 | | 54.2 | 48.7 | Bb | | 6.8 | 19 | 41.6 | 56.4 | Kb | 8.5 | | 51.0 | 39.8 | | 9.5 | 11 | 0.2 | 23.5 | | 8.7 | | 59.2 | 43.1 | |
| 9.0 | 1 | 15.6 | 22.1 | K | | 9.5 | 20 | 36.5 | 18.1 | | 9.5 | 56 | 32.4 | 5.2 | | 7.9 | | 15.3 | 6.7 | K | 7.1 | 20 | 3.4 | 59.5 | L |
| 9.5 | | 32.5 | 23.2 | | | 9.0 | | 56.3 | 47.5 | | 9.5 | | 40.1 | 45.5 | | 9.5 | | 24.4 | 9.9 | | *8.4 | | 4.9 | 9.8 | |
| 9.5 | | 33.4 | 12.8 | | | 9.5 | 22 | 40.7 | 45.1 | | 8.1 | | 51.6 | 39.3 | | 9.4 | | 28.4 | 3.7 | | *8.8 | | 28.0 | 33.8 | K |
| 8.5 | | 39.5 | 50.9 | | | 8.9 | 23 | 16.5 | 8.6 | | 9.3 | 57 | 13.3 | 27.9 | | 9.4 | | 33.7 | 58.1 | | 9.5 | | 29.5 | 14.4 | |
| 8.9 | 2 | 16.9 | 1.0 | B | | 9.5 | | 21.2 | 56.9 | | 7.8 | | 13.5 | 20.0 | L | 9.5 | | 44.0 | 13.8 | | 9.5 | | 46.4 | 57.3 | |
| 7.0 | | 38.7 | 58.2 | Kb | | 8.3 | | 37.8 | 13.4 | | 9.0 | | 32.2 | 38.4 | | 9.1 | | 55.4 | 37.0 | K | 7.8 | | 48.4 | 5.1 | L |
| 8.3 | 3 | 13.8 | 20.7 | | | 9.5 | 24 | 10.9 | 51.0 | | 9.5 | | 51.7 | 2.0 | | 9.2 | | 57.4 | 35.3 | K | 9.6 | | 55.0 | 28.2 | |
| 9.0 | | 25.9 | 54.7 | B | | 7.5 | | 38.1 | 29.5 | Kb | 9.3 | 58 | 14.1 | 33.5 | | 8.9 | 12 | 1.6 | 2.3 | | 9.5 | | 55.1 | 35.4 | |
| 9.5 | | 27.9 | 59.9 | | | 8.7 | 25 | 56.9 | 12.1 | B | 9.5 | | 58.0 | 29.3 | | 9.5 | | 14.5 | 22.4 | | 9.5 | 21 | 31.9 | 52.9 | |
| 9.5 | | 36.9 | 56.0 | | | 9.5 | 27 | 12.3 | 1.5 | | 9.5 | 59 | 0.8 | 33.5 | | 9.3 | | 28.9 | 58.5 | | 9.3 | | 43.0 | 23.8 | |
| 9.5 | | 47.5 | 51.6 | | | 9.4 | | 21.6 | 41.0 | | 9.0 | | 13.6 | 51.4 | | 9.2 | | 29.5 | 47.5 | Bb | 9.5 | | 48.9 | 9.4 | |
| 9.1 | | 50.4 | 36.4 | | | 7.5 | | 25.7 | 38.9 | K | 9.5 | | 26.5 | 2.9 | | 9.4 | | 37.3 | 57.2 | | 9.1 | | 49.4 | 18.3 | |
| 9.3 | 4 | 3.5 | 33.2 | | | 9.2 | 28 | 38.9 | 56.2 | Bb | 8.6 | | 37.5 | 28.1 | K | 9.3 | | 44.1 | 52.4 | | 9.0 | | 53.9 | 54.9 | K |
| 9.0 | | 30.9 | 5.5 | | | 9.5 | 30 | 11.2 | 15.2 | | 9.5 | | 40.2 | 39.4 | | 9.3 | | 45.2 | 22.6 | | 8.0 | 22 | 6.6 | 45.9 | L |
| 8.8 | | 44.2 | 36.7 | | | 9.4 | | 32.0 | 9.6 | | 9.0 | | 57.4 | 40.6 | | 9.4 | | 47.0 | 25.6 | | 9.1 | | 9.4 | 39.8 | |
| 8.8 | | 47.9 | 27.6 | K | | 9.4 | | 56.9 | 55.6 | B | 9.5 | 1 | 23.8 | 57.4 | | 9.1 | | 48.1 | 2.4 | | 9.0 | | 32.1 | 49.6 | B |
| 9.0 | 5 | 31.7 | 43.0 | B | | 7.0 | 31 | 51.7 | 23.6 | K | 9.5 | | 50.6 | 57.5 | | 9.5 | 13 | 1.0 | 26.6 | | 8.2 | | 36.4 | 19.3 | K |
| 9.0 | | 31.8 | 27.3 | K | | 9.1 | 32 | 51.0 | 42.2 | aBb | 9.5 | 2 | 2.5 | 25.5 | | 9.5 | | 4.0 | 50.0 | | 9.2 | 23 | 0.5 | 38.3 | K |
| 8.8 | | 38.9 | 43.3 | B | | 9.5 | 33 | 54.0 | 52.7 | | 9.5 | | 22.9 | 12.4 | | 9.5 | | 30.0 | 1.7 | | 9.4 | | 57.0 | 10.9 | |
| 9.5 | | 55.7 | 55.1 | | | 9.0 | 34 | 3.3 | 1.6 | | 8.2 | 3 | 8.4 | 38.4 | B | 8.7 | | 40.6 | 0.0 | | 6.9 | 24 | 0.6 | 36.8 | K |
| 8.7 | 6 | 2.8 | 5.9 | K | | 7.2 | 35 | 39.0 | 53.3 | K | 9.5 | | 21.6 | 30.7 | | 9.0 | | 51.4 | 33.4 | | 9.4 | | 3.8 | 56.1 | |
| 9.4 | | 37.0 | 13.0 | | | 9.1 | | 39.2 | 58.1 | B | 9.5 | | 26.7 | 42.5 | | 9.5 | 14 | 11.7 | 31.8 | | 9.5 | | 20.9 | 48.2 | |
| 9.4 | | 38.4 | 1.0 | | | 9.2 | | 54.4 | 11.3 | Kb | 8.5 | | 36.5 | 6.8 | K | 9.5 | | 27.8 | 45.3 | | 9.4 | | 25.4 | 8.7 | |
| 9.5 | | 43.0 | 44.3 | | | 9.0 | 37 | 42.3 | 54.5 | | 8.7 | | 46.4 | 33.5 | K | 9.5 | 15 | 12.9 | 13.7 | | 8.4 | | 33.9 | 6.7 | L |
| 7.3 | | 46.0 | 31.3 | K | | 9.2 | 38 | 10.4 | 29.8 | b | 9.3 | | 52.0 | 50.0 | | 9.5 | | 20.1 | 11.0 | | 8.5 | | 34.9 | 31.5 | K |
| 9.0 | | 58.7 | 44.7 | | | 8.8 | 39 | 9.3 | 13.9 | K | 9.5 | 4 | 6.7 | 14.0 | | 9.4 | | 23.6 | 23.0 | | 9.5 | | 53.4 | 51.3 | |
| 9.5 | 7 | 8.9 | 29.8 | | | 9.6 | | 23.4 | 24.6 | | 9.2 | | 13.6 | 18.4 | | 8.5 | | 34.4 | 43.2 | L | 9.5 | 25 | 7.5 | 5.6 | |
| 9.4 | | 23.4 | 57.5 | | | 8.8 | | 41.7 | 44.4 | Kb | 8.9 | | 19.4 | 6.9 | K | 7.0 | | 34.9 | 42.5 | S | 9.2 | | 15.6 | 32.4 | |
| 9.0 | 8 | 6.1 | 34.7 | Kb | | 9.0 | 40 | 43.5 | 5.8 | | 9.5 | | 41.4 | 7.9 | | 9.4 | | 37.3 | 56.8 | | 9.0 | | 16.6 | 10.6 | |
| 9.5 | | 14.4 | 10.4 | | | 9.4 | 41 | 12.5 | 46.1 | B | 9.5 | | 41.7 | 58.0 | | 8.9 | | 39.6 | 25.5 | | 9.5 | | 26.4 | 53.4 | |
| 9.5 | | 15.2 | 37.8 | | | 9.5 | | 43.2 | 35.7 | | 9.5 | | 44.1 | 26.6 | | 8.5 | | 46.1 | 2.2 | K | 9.5 | | 38.0 | 58.8 | |
| 9.5 | | 49.1 | 23.8 | | | 9.5 | 42 | 2.0 | 8.9 | | 9.4 | | 53.3 | 59.3 | B | 8.0 | | 52.0 | 18.3 | B | 9.5 | | 51.3 | 11.0 | |
| 9.5 | | 49.1 | 5.7 | | | 7.7 | | 43.9 | 10.9 | K | 9.5 | 5 | 42.2 | 58.1 | K | 7.3 | | 54.1 | 2.9 | K | 8.6 | | 55.5 | 57.9 | Kb |
| 8.9 | 9 | 27.8 | 7.6 | | | 8.2 | 43 | 33.0 | 27.3 | Lb | 8.6 | 6 | 5.0 | 24.9 | | 9.5 | 16 | 19.8 | 4.7 | | 9.4 | 26 | 25.6 | 10.3 | |
| 9.3 | 10 | 16.0 | 50.6 | | | 9.4 | | 38.5 | 59.0 | | 7.8 | | 18.6 | 15.3 | Kb | 9.5 | | 34.0 | 41.3 | | 9.5 | | 27.0 | 0.2 | |
| 9.0 | | 53.7 | 10.0 | K | | 9.5 | 44 | 23.3 | 1.0 | | 9.0 | | 24.9 | 7.9 | | 9.1 | | 39.5 | 58.1 | | 9.2 | | 32.7 | 2.9 | a |
| 5.0 | 11 | 1.3 | 13.1 | K | | 9.4 | | 37.4 | 37.5 | | 6.7 | | 43.9 | 9.0 | K | 6.6 | 17 | 12.4 | 15.4 | K | 9.2 | | 33.4 | 10.3 | |
| | | + | + | | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 38.74 | 1.63 | | | 10pr. | | 39.12 | 1.35 | | 10pr. | | 39.58 | 0.90 | | 10pr. | | 39.71 | 0.69 | | 10pr. | | 39.78 | 0.57 | |

| 1065ᵃ | | | |
|---|---|---|---|
| 9.5 | 20 | 5.0 | 14.0 |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵃ | | +34° | | | 5ᵃ | | +34° | | | 5ᵃ—6ᵃ | | +34° | | | 6ᵃ | | +34° | | | 6ᵃ | | +34° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 26 | 34.0 | 5.7 | | 9.5 | 35 | 28.6 | 4.4 | | 9.5 | 48 | 12.7 | 43.3 | | 9.2 | 0 | 44.7 | 52.3 | K | 9.5 | 15 | 59.0 | 57.0 | |
| 9.5 | | 34.5 | 57.9 | | 9.0 | | 36.5 | 1.6 | K | 9.5 | | 23.3 | 2.7 | | 9.0 | | 56.6 | 1.6 | | 9.4 | 16 | 6.7 | 0.2 | |
| 8.8 | | 39.8 | 2.6 | B | 9.3 | | 39.7 | 3.5 | B | 9.3 | | 32.1 | 5.5 | | 7.8 | 1 | 6.9 | 16.5 | L | 7.5 | | 52.6 | 5.1 | L |
| 9.0 | | 42.9 | 36.6 | | 9.3 | | 47.4 | 13.8 | | 9.5 | | 42.8 | 17.3 | | 9.5 | | 32.6 | 44.9 | | 9.4 | 17 | 5.2 | 33.0 | |
| 9.2 | | 44.4 | 53.1 | | 9.5 | 36 | 8.6 | 7.0 | | 9.2 | 49 | 16.6 | 56.8 | | 9.5 | 2 | 2.0 | 46.6 | B | 9.5 | | 6.9 | 17.5 | |
| 9.0 | | 45.7 | 2.3 | | 9.5 | | 26.5 | 53.6 | B | 9.5 | | 49.9 | 48.0 | | 9.5 | | 7.7 | 49.9 | | 9.4 | | 22.9 | 18.0 | |
| 8.8 | | 47.7 | 2.3 | S | 9.2 | | 51.7 | 24.9 | | 8.8 | | 53.7 | 28.7 | K | 9.1 | | 20.5 | 43.3 | b | 9.5 | | 25.8 | 32.1 | B |
| 9.5 | | 48.3 | 0.1 | | 9.4 | | 52.3 | 10.2 | | 9.5 | | 58.5 | 14.9 | | 9.0 | | 34.3 | 36.2 | | 9.5 | | 35.0 | 12.1 | |
| 8.8 | | 48.6 | 4.8 | | 9.4 | | 59.0 | 23.5 | | 9.5 | 50 | 27.7 | 44.4 | B | 9.5 | | 49.0 | 18.2 | | 9.4 | | 54.8 | 55.8 | |
| 9.1 | | 52.1 | 2.5 | αB | 9.4 | 37 | 17.4 | 26.9 | | 9.4 | | 41.0 | 8.7 | | 9.4 | 3 | 4.0 | 33.8 | | 9.5 | 18 | 8.4 | 40.2 | |
| 8.8 | | 56.5 | 4.7 | | 8.2 | | 20.3 | 29.9 | B | 6.7 | | 47.5 | 29.2 | K | 9.4 | | 11.5 | 52.3 | | 8.6 | | 18.2 | 0.1 | |
| 9.5 | | 58.7 | 51.7 | | 7.7 | | 24.5 | 14.7 | B | 9.1 | 51 | 2.9 | 1.6 | | 9.3 | | 25.8 | 7.1 | | 9.5 | | 20.3 | 22.9 | |
| 9.0 | 27 | 6.2 | 6.0 | | 9.1 | | 37.3 | 2.7 | K | 9.4 | | 8.8 | 53.4 | | 9.3 | | 47.7 | 0.4 | | 9.5 | | 38.7 | 55.8 | |
| 9.5 | 27 | 14.7 | 2.5 | | 9.5 | 38 | 20.4 | 48.3 | | 9.4 | | 8.4 | 14.6 | | 9.5 | 4 | 19.7 | 51.6 | | 9.3 | | 42.4 | 59.4 | |
| 9.5 | 28 | 16.4 | 13.5 | | 9.2 | | 23.7 | 34.0 | | 9.5 | | 25.6 | 5.7 | | 9.5 | | 20.2 | 56.3 | | 7.5 | | 50.3 | 34.2 | Kb |
| 9.5 | 27 | 25.3 | 7.7 | | 8.7 | | 26.4 | 3.9 | K | 9.5 | 52 | 38.3 | 53.9 | | 9.2 | | 49.4 | 53.8 | b | 7.0 | 19 | 2.7 | 56.9 | K |
| 9.5 | | 31.4 | 18.5 | | 9.5 | | 40.0 | 30.8 | | 9.2 | | 41.1 | 0.8 | | 9.5 | | 56.5 | 2.7 | | 9.5 | | 25.6 | 3.5 | |
| 8.1 | | 31.7 | 43.0 | L | 9.3 | | 59.0 | 59.0 | | 9.0 | | 42.2 | 47.2 | K | 9.5 | 5 | 3.1 | 32.3 | | 9.5 | | 32.0 | 1.9 | |
| 8.8 | | 32.7 | 26.7 | | 9.3 | 39 | 8.0 | 51.8 | | 9.3 | | 48.3 | 13.6 | | 9.5 | | 5.3 | 36.0 | | 9.5 | | 32.6 | 25.3 | |
| 9.5 | 28 | 9.5 | 0.2 | | 9.4 | | 10.1 | 58.8 | | 9.5 | | 49.0 | 10.2 | | 9.5 | | 12.2 | 25.7 | | 9.1 | | 49.9 | 19.5 | R |
| 8.6 | | 31.3 | 56.9 | | 9.5 | | 19.3 | 48.2 | | 9.2 | 53 | 14.4 | 31.2 | | 9.5 | | 18.3 | 13.4 | | 9.5 | 20 | 5.8 | 28.1 | |
| 8.7 | | 45.1 | 37.7 | K | 8.2 | | 43.3 | 9.9 | L | 9.0 | | 19.6 | 1.6 | K | 9.2 | | 36.5 | 23.5 | | 9.2 | | 7.0 | 38.0 | |
| 8.5 | | 49.4 | 4.8 | K | 9.2 | | 53.2 | 23.7 | | 9.5 | | 53.5 | 38.5 | | 9.3 | | 49.7 | 9.9 | | 9.5 | | 13.9 | 47.9 | |
| 9.3 | 29 | 5.0 | 18.6 | | 9.5 | 40 | 17.5 | 34.2 | | 9.4 | | 54.7 | 37.0 | | 8.4 | 6 | 0.9 | 43.3 | B | 9.4 | | 21.6 | 50.4 | |
| 8.6 | | 12.3 | 52.9 | K | 9.5 | | 26.3 | 34.0 | | 9.3 | 54 | 4.6 | 30.1 | B | 9.1 | | 17.4 | 38.5 | K | 9.3 | | 33.0 | 20.7 | |
| 7.9 | | 12.4 | 59.1 | K | 9.0 | | 32.0 | 32.8 | B | 9.4 | | 9.0 | 35.2 | B | 9.3 | | 25.2 | 2.2 | | 9.4 | | 33.4 | 1.2 | B |
| 9.5 | | 34.6 | 45.5 | | 9.5 | | 35.2 | 33.8 | | 9.1 | | 10.7 | 44.5 | B | 9.3 | 7 | 18.0 | 17.1 | | 9.3 | | 39.9 | 17.2 | α |
| 9.5 | | 50.7 | 4.0 | | 8.9 | | 42.4 | 53.7 | K | 9.5 | | 11.9 | 43.5 | | 9.5 | | 28.6 | 45.3 | | 9.5 | | 50.7 | 52.5 | |
| 8.9 | | 51.4 | 30.9 | | 8.9 | 41 | 0.0 | 53.5 | K | 8.2 | | 25.9 | 22.4 | K | 9.2 | | 34.9 | 27.6 | | 9.5 | 21 | 1.7 | 10.3 | |
| 8.1 | 30 | 14.9 | 26.2 | L | 9.0 | | 27.5 | 0.5 | K | 8.7 | | 27.1 | 41.2 | K | 9.5 | | 49.4 | 38.2 | | 9.5 | | 11.0 | 22.4 | |
| 9.2 | | 24.0 | 18.4 | | 9.5 | | 44.2 | 11.8 | | 9.1 | | 39.4 | 34.2 | K | 9.4 | | 49.6 | 7.3 | | 8.3 | | 13.3 | 55.5 | Kb |
| 8.0 | | 26.5 | 12.5 | K | 9.2 | | 46.0 | 27.7 | | 9.5 | | 51.8 | 15.6 | | 9.4 | | 49.8 | 35.2 | | 9.5 | | 22.8 | 12.8 | |
| 8.8 | | 26.9 | 45.8 | | 9.4 | | 46.6 | 33.9 | | 9.5 | 55 | 29.7 | 31.0 | | 9.4 | 8 | 10.6 | 5.2 | | 9.0 | | 36.8 | 53.1 | K |
| 8.3 | | 38.4 | 10.5 | K | 9.4 | | 50.4 | 5.2 | | 9.4 | | 45.0 | 5.6 | | 9.5 | | 31.1 | 25.7 | | 9.3 | | 46.5 | 0.2 | B |
| 8.1 | | 47.8 | 27.8 | K | 9.0 | | 52.3 | 2.4 | B | 8.9 | 56 | 16.4 | 58.5 | | 9.3 | | 44.8 | 14.6 | | 9.5 | | 49.4 | 38.3 | |
| 9.5 | | 55.0 | 18.5 | | 9.3 | | 53.5 | 44.0 | | 9.0 | | 24.2 | 1.7 | | 9.5 | | 51.6 | 47.4 | | 9.5 | | 49.6 | 25.5 | |
| 9.5 | 31 | 9.4 | 32.7 | | 9.4 | | 54.6 | 53.4 | | 9.2 | | 39.0 | 35.4 | | 9.4 | 9 | 11.3 | 12.9 | | 9.1 | | 55.9 | 57.4 | K |
| 8.9 | | 30.3 | 26.0 | K | 9.5 | | 54.6 | 56.1 | | 9.5 | | 40.1 | 51.6 | | 8.7 | | 21.9 | 16.8 | | 9.4 | 22 | 27.4 | 37.5 | |
| 9.3 | | 42.0 | 25.3 | | 9.0 | 42 | 6.4 | 3.0 | K | 9.5 | 57 | 35.5 | 3.4 | | 7.8 | | 53.5 | 41.5 | K | 8.2 | | 27.5 | 40.7 | B |
| 8.8 | | 49.3 | 44.1 | | 9.4 | | 20.0 | 48.7 | | 8.2 | | 35.8 | 49.7 | K | 9.4 | 10 | 9.4 | 41.0 | | 9.5 | | 40.3 | 35.3 | |
| 9.1 | 32 | 14.9 | 5.8 | | 9.5 | | 50.9 | 3.5 | | 9.5 | | 40.0 | 44.8 | | 9.5 | | 25.7 | 50.9 | | 9.3 | | 53.3 | 57.8 | B |
| 8.4 | | 14.8 | 49.8 | K | 8.0 | 43 | 2.4 | 13.6 | K | 9.3 | 58 | 15.7 | 12.7 | | 9.5 | 11 | 4.2 | 28.5 | | 9.5 | | 59.6 | 58.4 | |
| 9.0 | | 21.4 | 44.4 | K | 7.7 | | 14.7 | 24.3 | B | 9.2 | | 17.9 | 58.7 | | 9.5 | | 19.8 | 14.7 | | 9.5 | 23 | 7.0 | 51.1 | |
| 9.3 | | 23.3 | 21.5 | | 9.2 | | 21.4 | 12.8 | K | 9.3 | | 18.8 | 3.4 | | 9.4 | | 58.2 | 1.9 | | 9.0 | | 7.6 | 27.9 | |
| 9.2 | | 29.0 | 45.0 | α | 9.3 | | 57.3 | 15.8 | K | 7.7 | | 20.2 | 10.6 | K | 9.5 | 12 | 7.6 | 5.0 | | 9.4 | | 12.9 | 16.5 | |
| 9.5 | | 29.9 | 9.1 | | 9.5 | 44 | 17.9 | 33.6 | | 8.0 | | 23.0 | 50.9 | Kb | 9.4 | | 7.6 | 44.8 | | 9.2 | | 31.1 | 16.3 | B |
| 9.5 | | 39.3 | 7.1 | | 9.4 | | 31.8 | 28.8 | | 9.3 | | 24.5 | 59.3 | | 7.2 | | 24.4 | 39.8 | K | 9.5 | | 31.5 | 22.5 | |
| 9.4 | 33 | 4.0 | 40.5 | | 8.9 | | 51.8 | 55.9 | K | 9.3 | | 42.0 | 21.8 | | 9.2 | | 49.5 | 39.3 | | 9.5 | | 32.7 | 16.5 | B |
| 9.1 | | 27.8 | 33.0 | | 9.1 | | 52.5 | 31.2 | K | 9.4 | | 48.1 | 26.7 | | 8.8 | 13 | 2.5 | 44.0 | K | 9.5 | 24 | 2.2 | 31.1 | |
| 9.0 | | 29.0 | 16.2 | | 9.5 | 45 | 22.1 | 7.7 | | 9.5 | 59 | 6.4 | 23.2 | | 9.5 | | 38.0 | 21.8 | | 9.5 | | 22.5 | 41.4 | |
| 9.0 | | 32.4 | 23.8 | | 9.4 | | 23.0 | 5.6 | | 9.2 | | 9.7 | 52.3 | K | 8.2 | | 56.0 | 20.1 | L | 9.5 | | 23.6 | 47.6 | |
| 9.0 | | 32.9 | 54.0 | K | 9.5 | | 25.1 | 49.8 | | 7.7 | | 22.8 | 54.8 | K | 9.5 | 14 | 4.6 | 25.3 | | 9.1 | | 52.1 | 25.2 | K |
| 9.5 | | 59.4 | 22.3 | | 9.1 | | 33.4 | 58.5 | | 9.5 | | 37.2 | 0.6 | | 9.3 | | 15.2 | 1.0 | | 9.3 | | 59.3 | 12.9 | |
| 9.5 | 34 | 39.4 | 25.0 | | 9.0 | 46 | 16.3 | 19.4 | | 9.0 | | 47.5 | 28.0 | | 9.5 | | 35.8 | 40.8 | | 9.4 | 25 | 3.2 | 29.9 | |
| 9.5 | | 41.5 | 11.2 | | 9.5 | | 20.9 | 51.3 | | 8.8 | | 48.4 | 37.1 | | 9.5 | | 54.7 | 40.3 | | 9.5 | | 5.5 | 48.4 | |
| 9.1 | | 50.6 | 19.8 | | 9.5 | | 29.5 | 36.0 | | 9.2 | 0 | 7.9 | 58.9 | K | 8.6 | | 59.0 | 27.7 | Lb | 9.5 | | 5.7 | 52.4 | |
| 9.4 | | 54.9 | 48.0 | | 9.5 | 47 | 6.4 | 10.9 | | 9.4 | | 14.2 | 3.1 | | 9.5 | 15 | 9.0 | 9.2 | | 9.4 | | 12.8 | 0.3 | |
| 9.5 | 35 | 10.3 | 11.7 | | 9.0 | | 46.4 | 7.7 | | 9.2 | | 15.0 | 32.6 | | 8.8 | | 12.7 | 0.1 | K | 8.8 | | 49.6 | 1.0 | |
| 9.3 | | 25.3 | 38.6 | | 9.2 | 48 | 3.0 | 53.9 | b | 8.5 | | 18.7 | 10.3 | | 9.5 | | 23.9 | 18.7 | | 9.3 | | 53.8 | 53.1 | |
| 9.3 | | 26.7 | 49.4 | | 9.5 | | 5.8 | 36.9 | | 9.5 | | 25.3 | 36.0 | | 9.5 | | 36.7 | 52.0 | | 9.4 | | 58.8 | 55.6 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | − | | | | + | − | |
| 10pr. | | 39.83 | 0.44 | | 10pr. | | 39.88 | 0.27 | | 10pr. | | 39.99 | 0.08 | | 10pr. | | 39.90 | 0.12 | | 10pr. | | 39.87 | 0.31 | |

1401—1460

| | 6ʰ | | +34° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.0 | 26 | 8.7 | 50.2 | K |
| 8.0 | | 24.9 | 18.1 | K |
| 9.5 | | 55.5 | 0.3 | B |
| 9.5 | 27 | 3.5 | 47.6 | |
| 9.3 | | 23.8 | 53.0 | |
| 9.2 | | 42.4 | 37.9 | R |
| 9.5 | | 44.7 | 10.0 | |
| 8.6 | 28 | 2.8 | 53.6 | L |
| 9.5 | | 17.5 | 35.6 | |
| 9.3 | | 26.6 | 54.4 | |
| 9.5 | | 31.2 | 54.8 | |
| 8.8 | | 35.9 | 57.3 | K |
| 9.5 | | 48.8 | 32.4 | |
| 9.5 | | 52.3 | 32.5 | B |
| 9.0 | 29 | 1.6 | 9.6 | K |
| 8.2 | | 15.1 | 24.9 | R |
| 8.9 | | 18.6 | 4.6 | K |
| 8.9 | | 56.4 | 33.0 | K |
| 9.3 | | 59.5 | 43.5 | |
| 9.0 | | 59.8 | 55.8 | R |
| 9.0 | 30 | 17.0 | 11.1 | Rb |
| 9.5 | | 24.5 | 26.0 | |
| 9.5 | 31 | 4.0 | 20.3 | |
| 9.5 | | 24.8 | 26.7 | |
| 8.9 | | 26.0 | 21.5 | R |
| 9.2 | | 28.8 | 14.2 | B |
| 8.7 | | 54.9 | 59.3 | Rb |
| 8.5 | 32 | 3.7 | 9.8 | R |
| 9.3 | | 10.9 | 20.5 | |
| 9.3 | | 11.8 | 15.5 | |
| 9.5 | | 26.5 | 54.0 | |
| 9.5 | | 27.8 | 30.3 | |
| 9.5 | | 36.5 | 15.7 | |
| 7.8 | | 58.8 | 13.6 | K |
| 7.9 | 33 | 24.8 | 15.3 | K |
| 9.2 | | 25.0 | 45.7 | |
| 9.0 | | 27.0 | 11.3 | K |
| 9.1 | | 38.6 | 45.1 | b |
| 8.8 | | 59.1 | 26.6 | K |
| 9.5 | 34 | 10.6 | 56.2 | |
| 9.1 | | 27.9 | 13.1 | |
| 8.3 | | 34.9 | 18.3 | L |
| 9.5 | | 36.1 | 49.7 | |
| 9.2 | 35 | 17.8 | 15.4 | |
| 9.5 | | 50.7 | 51.3 | |
| 9.5 | 36 | 2.8 | 53.8 | |
| 9.5 | | 7.6 | 1.1 | |
| 9.5 | | 18.6 | 46.4 | |
| 9.5 | | 22.0 | 7.9 | |
| 9.5 | | 37.4 | 36.5 | |
| 8.9 | | 37.6 | 26.2 | |
| 9.5 | 37 | 27.9 | 59.8 | |
| 9.5 | | 32.8 | 17.5 | |
| 9.5 | | 33.6 | 24.7 | |
| 9.5 | 38 | 2.2 | 28.6 | |
| 9.2 | | 13.8 | 55.5 | |
| 9.2 | | 28.5 | 41.7 | |
| 9.1 | | 41.6 | 5.2 | |
| 9.3 | | 42.8 | 11.2 | B |
| 9.5 | | 49.9 | 17.8 | |
| 10pr. | | 39.82 | 0.47 | |

1461—1520

| | 6ʰ | | +34° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.8 | 38 | 51.0 | 47.7 | |
| 7.9 | | 55.8 | 15.6 | L |
| 9.4 | | 58.3 | 35.6 | |
| 9.5 | 39 | 18.4 | 39.0 | |
| 9.1 | | 29.8 | 33.6 | b |
| 9.5 | | 33.1 | 27.9 | |
| 9.4 | | 47.5 | 17.4 | B |
| 9.5 | | 59.9 | 57.4 | |
| 9.2 | 40 | 23.6 | 4.7 | |
| 8.9 | | 33.0 | 23.0 | |
| 9.4 | 41 | 12.9 | 18.5 | |
| 9.1 | | 48.3 | 14.8 | |
| 9.5 | | 57.0 | 21.2 | |
| 9.5 | 42 | 20.5 | 45.7 | |
| 8.9 | | 34.0 | 1.5 | L |
| 9.1 | | 35.7 | 49.4 | |
| *9.0 | | 38.9 | 19.3 | |
| 9.5 | | 56.6 | 16.3 | |
| 9.3 | 43 | 3.6 | 47.4 | |
| 9.2 | | 9.9 | 38.3 | |
| 3.2 | | 13.7 | 7.9 | K |
| 9.5 | | 26.5 | 1.2 | |
| 9.4 | | 30.3 | 33.3 | |
| 9.2 | | 44.5 | 42.4 | K |
| 9.5 | | 54.1 | 24.4 | |
| 9.5 | 44 | 15.0 | 21.0 | |
| 9.5 | | 18.7 | 52.1 | |
| 9.1 | | 33.5 | 0.7 | |
| 9.5 | 45 | 20.0 | 38.3 | |
| 9.5 | | 31.8 | 51.1 | |
| 9.5 | | 36.0 | 44.7 | |
| 9.5 | | 38.8 | 41.4 | |
| 9.3 | 46 | 26.4 | 56.7 | |
| 8.6 | | 36.5 | 35.0 | |
| 8.2 | | 38.1 | 38.3 | S |
| 9.0 | 47 | 11.1 | 50.7 | K |
| 9.5 | | 37.8 | 4.8 | |
| 9.5 | 48 | 11.2 | 57.9 | |
| 9.4 | | 13.9 | 42.8 | |
| 9.0 | | 22.5 | 23.6 | K |
| 8.9 | | 35.7 | 30.3 | K |
| 9.4 | | 37.5 | 20.7 | |
| 9.5 | 49 | 35.7 | 7.8 | |
| 9.3 | | 59.2 | 42.1 | |
| 9.5 | 50 | 38.1 | 12.0 | |
| 9.5 | | 47.1 | 32.4 | |
| 9.5 | | 56.9 | 56.0 | |
| 9.4 | | 59.1 | 35.9 | aB |
| 9.5 | 51 | 26.2 | 15.0 | |
| 9.5 | | 30.7 | 0.4 | aB |
| 9.3 | 52 | 1.7 | 32.4 | |
| 9.3 | | 18.9 | 34.4 | |
| 9.4 | | 30.6 | 29.5 | |
| 9.5 | 53 | 59.1 | 47.1 | B |
| 8.8 | | 59.4 | 26.0 | |
| 7.5 | 54 | 10.9 | 5.5 | L |
| 8.9 | | 22.1 | 52.9 | Kb |
| 9.3 | 55 | 4.5 | 13.3 | |
| 9.5 | | 20.4 | 42.2 | B |
| 8.6 | | 26.2 | 30.3 | L |
| 10pr. | | 39.73 | 0.66 | |

1521—1580

| | 6ʰ—7ʰ | | +34° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.1 | 55 | 39.1 | 5.3 | |
| 9.4 | | 45.6 | 55.5 | |
| 9.2 | 56 | 7.9 | 57.0 | |
| 6.0 | | 37.9 | 41.8 | Kb |
| 9.1 | 57 | 16.5 | 18.8 | a |
| 9.5 | | 17.6 | 53.4 | B |
| ~~8.9~~ | | ~~19.0~~ | ~~18.8~~ | |
| 9.4 | | 34.3 | 18.7 | a |
| 9.3 | | 48.6 | 31.0 | |
| 6.0 | | 51.2 | 13.0 | L |
| 9.5 | | 52.4 | 17.0 | B |
| 9.4 | 58 | 8.4 | 50.9 | B |
| 6.6 | | 43.2 | 2.3 | K |
| 8.0 | | 44.0 | 42.6 | L |
| 9.3 | 59 | 7.6 | 53.0 | |
| 7.0 | | 20.6 | 9.8 | K |
| 9.3 | | 36.2 | 26.9 | |
| 9.4 | | 53.0 | 32.5 | |
| 9.0 | | 59.5 | 18.5 | K |
| 9.5 | | 51.2 | 47.6 | aB |
| 9.2 | 0 | 21.1 | 28.0 | K |
| 9.5 | | 27.9 | 11.2 | |
| 9.4 | | 33.7 | 38.6 | aB |
| 9.4 | | 46.5 | 9.5 | |
| 9.4 | | 55.5 | 42.5 | |
| 9.5 | 1 | 4.1 | 10.4 | |
| 9.5 | | 29.6 | 47.2 | |
| 9.5 | | 35.7 | 26.2 | |
| 8.5 | | 42.3 | 0.2 | R |
| 8.9 | | 57.8 | 26.2 | |
| 9.4 | 2 | 8.0 | 38.8 | aB |
| 9.5 | | 8.7 | 17.0 | |
| 9.4 | | 36.9 | 17.3 | aB |
| 9.4 | | 40.0 | 48.2 | |
| 8.7 | | 50.6 | 22.5 | K |
| 8.3 | 3 | 13.1 | 29.1 | K |
| 9.4 | | 22.6 | 54.0 | B |
| 9.5 | 4 | 22.1 | 57.6 | |
| 9.4 | | 35.1 | 29.9 | aB |
| 9.5 | 5 | 0.8 | 54.0 | |
| 9.5 | | 47.4 | 36.5 | |
| 9.5 | 6 | 2.0 | 27.9 | |
| 9.5 | | 38.9 | 55.8 | |
| 9.3 | | 46.3 | 19.1 | a |
| 9.3 | 7 | 3.8 | 10.5 | |
| 9.5 | | 27.2 | 39.0 | |
| 8.7 | | 33.1 | 16.2 | K |
| 8.7 | | 34.8 | 21.2 | K |
| 9.4 | | 56.7 | 51.8 | aB |
| 9.5 | 8 | 24.2 | ~~58.9~~ | |
| 9.5 | | 24.5 | 27.2 | B |
| 9.3 | | 32.7 | 49.2 | a |
| 9.2 | | 53.0 | ~~59.8~~ | |
| 8.8 | | 56.3 | 49.3 | K |
| 9.2 | 9 | 35.2 | 6.4 | |
| 7.2 | | 45.6 | 49.0 | K |
| 9.4 | 10 | 6.6 | 27.2 | |
| 9.5 | | 7.5 | 43.3 | |
| 9.1 | 11 | 14.0 | 45.8 | |
| 9.5 | | 32.1 | 12.0 | |
| 10pr. | | 39.58 | 0.90 | |

1581—1640

| | 7ʰ | | +34° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 11 | 39.3 | 58.5 | |
| 9.1 | | 51.1 | 42.7 | K |
| 8.0 | | 53.1 | 17.2 | K |
| 9.0 | 12 | 10.2 | 1.4 | |
| 8.7 | | 21.8 | 57.7 | L |
| 9.6 | | 48.7 | 1.3 | |
| 9.0 | | 54.4 | 20.2 | |
| 9.4 | 13 | 14.7 | 55.8 | |
| 9.2 | | 15.8 | 29.4 | |
| 9.3 | | 24.3 | 14.8 | |
| 9.3 | | 24.7 | 59.3 | aB |
| 9.2 | | 26.2 | 42.1 | K |
| 9.4 | | 42.7 | 54.8 | aB |
| 9.1 | | 52.5 | 52.1 | Kb |
| 9.5 | | 57.3 | 34.0 | |
| 9.4 | 14 | 3.2 | 48.7 | |
| 9.5 | | 11.3 | 49.5 | |
| 8.3 | | 11.8 | 30.7 | B |
| 9.3 | | 19.5 | 8.6 | B |
| 9.5 | | 52.9 | 47.7 | |
| 8.0 | | 56.4 | 29.9 | L |
| 9.2 | 15 | 23.9 | 18.3 | |
| 8.8 | | 30.2 | 54.3 | |
| 9.5 | | 39.1 | 2.4 | |
| 9.1 | | 48.8 | 15.4 | |
| 9.4 | 16 | 20.7 | 3.2 | |
| 8.5 | | 47.2 | 27.9 | K |
| 9.4 | 17 | 19.6 | 21.3 | |
| 9.4 | | 38.2 | 43.3 | |
| 9.2 | | 39.4 | 29.9 | |
| 9.5 | 18 | 19.7 | 48.5 | |
| 8.9 | | 52.3 | 13.7 | K |
| 9.5 | 19 | 3.1 | 13.0 | |
| 7.5 | | 14.5 | 44.1 | K |
| 9.1 | | 27.6 | 31.6 | |
| 9.5 | | 29.1 | 53.4 | |
| 9.2 | | 40.4 | 27.5 | |
| 9.3 | | 41.1 | 45.6 | |
| 9.4 | | 42.5 | 36.3 | |
| 9.5 | 20 | 13.7 | 28.5 | |
| 9.5 | | 31.4 | 3.6 | |
| 9.5 | 21 | 12.6 | 3.0 | |
| 9.1 | | 16.0 | 0.1 | Kb |
| 9.4 | 22 | 1.5 | 11.6 | |
| 9.4 | | 39.9 | 9.4 | |
| 9.5 | 23 | 16.1 | 6.1 | |
| 9.1 | | 27.2 | 9.3 | |
| 9.0 | | 34.3 | 17.8 | K |
| 7.5 | | 43.3 | 14.5 | K |
| 9.5 | 24 | 19.1 | 14.2 | |
| 9.3 | | 41.0 | 16.7 | |
| 8.8 | | 46.2 | 6.6 | |
| 9.2 | | 57.3 | 38.0 | b |
| 9.2 | 25 | 0.8 | 30.1 | |
| 9.3 | | 9.7 | 3.0 | |
| 9.2 | | 21.5 | 45.3 | B |
| 9.1 | 26 | 22.5 | 43.0 | |
| 9.5 | | 30.0 | 7.2 | |
| 8.7 | | 32.8 | 38.0 | b |
| 9.5 | 27 | 0.0 | 48.3 | |
| 10pr. | | 39.39 | 1.11 | |

1641—1700

| | 7ʰ | | +34° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.5 | 27 | 12.5 | 1.1 | |
| 9.3 | | 22.9 | 37.2 | |
| 9.5 | | 29.2 | 41.7 | B |
| 9.5 | 28 | 29.8 | 7.9 | |
| 8.5 | | 45.1 | 2.0 | B |
| 7.9 | 29 | 5.8 | 1.9 | B |
| 9.4 | | 16.0 | 35.4 | |
| 8.5 | | 25.5 | 22.9 | |
| 5.0 | | 41.9 | 55.3 | Kb |
| 9.5 | 30 | 31.8 | 33.3 | |
| 9.4 | | 33.2 | 4.4 | |
| 9.4 | 31 | 36.9 | 9.8 | a |
| 9.2 | | 51.2 | 30.6 | |
| 9.1 | 32 | 30.8 | 10.8 | aBb |
| 9.2 | | 31.5 | 24.5 | |
| 9.5 | 33 | 0.0 | 4.7 | |
| 6.5 | | 19.7 | 20.5 | K |
| 9.3 | | 41.5 | 18.2 | |
| 9.3 | | 53.0 | 56.2 | |
| 9.3 | | 57.0 | 32.7 | |
| 9.5 | | 59.0 | 41.8 | |
| 9.0 | 34 | 35.6 | 22.8 | |
| 9.5 | | 51.5 | 6.1 | |
| 9.4 | | 55.2 | 27.4 | B |
| 9.4 | 35 | 14.9 | 33.2 | B |
| 9.4 | | 59.3 | 4.8 | aB |
| 8.7 | 36 | 5.4 | 10.5 | K |
| 8.4 | | 8.1 | 25.6 | |
| *7.9 | | 14.9 | 54.0 | K |
| *9.2 | | 25.8 | 24.2 | |
| 9.2 | | 29.0 | 14.3 | |
| 9.5 | | 35.5 | 55.7 | |
| 9.4 | 37 | 6.8 | 55.0 | |
| 9.5 | | 48.4 | 13.9 | |
| 9.5 | | 50.0 | 24.1 | |
| 8.3 | 38 | 0.7 | 29.5 | |
| 9.3 | | 30.5 | 26.8 | |
| 8.5 | | 57.5 | 3.5 | K |
| 9.3 | 39 | 9.0 | 43.8 | a |
| 9.5 | | 12.4 | 43.1 | B |
| 9.3 | | 13.6 | 32.8 | |
| 9.5 | | 31.9 | 54.7 | |
| 9.0 | | 50.7 | 12.7 | B |
| 9.4 | 40 | 26.7 | 2.0 | B |
| 9.3 | | 34.6 | 43.7 | |
| 9.3 | 41 | 4.9 | 19.4 | aB |
| 8.4 | | 6.0 | 38.8 | K |
| 8.6 | | 24.7 | 30.3 | B |
| 9.2 | | 27.1 | 26.3 | |
| 9.3 | | 29.8 | 11.2 | |
| 9.2 | | 33.3 | 5.4 | aB |
| 8.7 | 42 | 9.2 | 8.9 | K |
| 9.5 | | 16.8 | 20.1 | B |
| 9.4 | | 29.5 | 32.6 | |
| 8.0 | | 42.8 | 12.6 | K |
| 9.3 | 43 | 7.4 | 18.5 | |
| 9.0 | | 7.9 | 5.7 | |
| 9.4 | | 26.2 | 59.2 | |
| 8.6 | | 28.2 | 49.1 | K |
| 8.5 | | 44.3 | 29.8 | K |
| 10pr. | | 39.11 | 1.36 | |

1476ᵃ

| | | | | |
|---|---|---|---|---|
| 9.5 | 42 | 37.5 | 59.3 | |

1669ᵃ

| | | | | |
|---|---|---|---|---|
| 9.2 | 36 | 16.6 | 43.1 | B |

| 1701—1760 | | | | 1761—1820 | | | | 1821—1880 | | | | 1881—1940 | | | | 1941—2000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵃ—8ᵃ | +34° | | | 8ᵃ | +34° | | | 8ᵃ | +34° | | | 8ᵃ | +34° | | | 8ᵃ—9ᵃ | +34° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.3 | 44 15.4 | 25.7 | | 8.9 | 0 57.5 | 41.2 | | 9.0 | 15 36.3 | 13.2 | | 9.4 | 32 31.4 | 20.7 | | 9.5 | 56 41.5 | 14.1 | |
| 9.0 | 48.4 | 43.9 | | 9.3 | 2 6.2 | 1.0 | | 9.0 | 16 4.8 | 23.3 | | 8.5 | 34.2 | 43.3 | Kb | 9.1 | 57 12.3 | 12.2 | *a* |
| 8.3 | 45 0.9 | 39.6 | | 9.5 | 8.3 | 17.1 | | 9.5 | 28.3 | 9.4 | | 8.5 | 38.3 | 57.3 | | 9.0 | 34.2 | 11.5 | |
| 9.5 | 4.6 | 46.9 | | 9.5 | 15.5 | 51.1 | | 8.3 | 59.2 | 40.7 | L | 9.5 | 33 3.0 | 15.8 | | 9.1 | 58 2.5 | 40.0 | *b* |
| 7.9 | 26.6 | 59.2 | Kb | 8.9 | 16.2 | 1.4 | K | 9.2 | 17 4.9 | 32.8 | | 7.3 | 22.7 | 43.2 | K | 8.8 | 3.4 | 43.2 | |
| 9.0 | 29.2 | 1.0 | K | 9.5 | 27.3 | 7.0 | | 9.4 | 8.0 | 3.0 | | 9.0 | 52.6 | 7.4 | | 9.4 | 59 8.9 | 1.1 | |
| 9.3 | 53.3 | 6.5 | | 9.5 | 39.7 | 14.2 | | 9.3 | 31.2 | 23.3 | | 9.1 | 34 12.6 | 18.9 | *b* | 9.5 | 29.2 | 29.7 | |
| 9.4 | 46 9.6 | 34.7 | | 9.2 | 42.4 | 57.6 | | 7.8 | 34.2 | 48.0 | K | 9.3 | 23.1 | 13.0 | | 9.1 | 55.3 | 45.3 | |
| 8.9 | 30.1 | 56.8 | Kb | 9.4 | 50.1 | 2.9 | *a*B | 9.5 | 53.0 | 0.6 | | 9.2 | 50.9 | 40.8 | | 6.5 | 56.2 | 29.0 | Kb |
| 8.2 | 32.2 | 49.2 | K | 9.5 | 53.9 | 51.6 | | 9.5 | 18 17.9 | 51.1 | *a*B | 9.4 | 35 48.4 | 24.7 | | 9.5 | 0 48.0 | 11.3 | |
| 9.5 | 38.7 | 57.9 | | 9.5 | 3 14.0 | 35.1 | | 9.5 | 30.9 | 54.6 | | 9.5 | 36 2.5 | 19.9 | | 9.2 | 58.8 | 44.0 | *a*B*b* |
| 7.3 | 40.1 | 45.3 | K | 8.4 | 17.8 | 54.1 | K | 9.5 | 52.2 | 28.0 | | 8.9 | 18.9 | 10.2 | | 9.4 | 2 0.7 | 54.6 | |
| 9.3 | 59.6 | 56.9 | | 9.5 | 34.0 | 1.9 | | 8.4 | 55.0 | 12.0 | K | 9.4 | 31.7 | 55.4 | | 9.2 | 53.0 | 31.5 | *b* |
| 8.5 | 47 31.7 | 39.4 | L | 8.9 | 58.9 | 25.4 | | 7.5 | 59.1 | 0.0 | K | 7.0 | 37 1.0 | 7.0 | K | 9.5 | 3 35.6 | 14.1 | |
| 9.4 | 57.0 | 31.4 | B | 9.5 | 4 13.3 | 14.7 | | 6.9 | 19 10.0 | 10.6 | K | 9.4 | 38 33.5 | 17.4 | | 8.1 | 42.6 | 11.4 | B |
| 9.3 | 48 8.1 | 26.6 | B | 9.2 | 24.3 | 32.5 | *a*B | 9.3 | 33.2 | 53.3 | | 9.4 | 42.9 | 54.8 | | 9.5 | 53.8 | 48.5 | |
| 8.0 | 11.7 | 26.4 | B | 9.0 | 30.7 | 13.2 | | 9.3 | 33.9 | 46.3 | | 9.0 | 40 41.2 | 46.0 | | 9.4 | 59.2 | 6.2 | |
| 9.4 | 38.6 | 49.0 | | 8.9 | 35.3 | 8.3 | | 8.0 | 46.0 | 12.8 | K | 7.3 | 48.2 | 14.5 | K | 9.1 | 4 15.4 | 29.9 | |
| 9.3 | 39.4 | 42.8 | | 8.9 | 54.7 | 36.5 | | 9.3 | 49.0 | 47.8 | B | 9.5 | 54.7 | 51.7 | *a* | 9.5 | 33.9 | 4.4 | |
| 8.8 | 46.5 | 20.7 | B | 9.5 | 59.6 | 57.4 | B | 9.4 | 20 8.3 | 55.6 | | 9.4 | 41 10.0 | 48.9 | *a*B | 9.3 | 5 3.1 | 35.8 | K |
| 9.5 | 49 8.6 | 15.3 | | 7.3 | 5 12.8 | 23.5 | L*b* | 8.0 | 11.1 | 44.6 | K | 9.5 | 20.2 | 9.3 | | 9.5 | 16.8 | 8.8 | |
| 9.5 | 16.2 | 35.4 | | 9.2 | 13.3 | 37.2 | | 8.5 | 16.2 | 36.4 | K | 9.2 | 28.7 | 45.6 | | 8.1 | 20.9 | 25.4 | L |
| 8.7 | 30.8 | 16.2 | L | 9.1 | 21.7 | 45.8 | | 9.5 | 49.5 | 50.1 | | 9.0 | 43.5 | 50.0 | | 8.3 | 27.1 | 4.8 | L |
| 7.5 | 52.1 | 16.7 | K | 9.4 | 35.9 | 8.8 | | 9.5 | 21 11.1 | 52.5 | | 8.9 | 42 14.4 | 39.5 | K | 9.0 | 30.4 | 24.6 | |
| 9.0 | 50 33.3 | 36.6 | | 9.5 | 6 17.2 | 8.3 | | 9.5 | 19.0 | 48.8 | | 9.3 | 21.2 | 40.9 | | 8.9 | 43.5 | 10.8 | |
| 9.3 | 51 14.4 | 17.4 | | 9.5 | 31.3 | 43.6 | | 8.8 | 41.3 | 30.9 | | 9.3 | 23.3 | 57.3 | | 9.1 | 6 47.7 | 48.7 | *a*B |
| 9.1 | 52 37.7 | 29.4 | *b* | 9.5 | 36.2 | 12.8 | | 9.5 | 42.4 | 49.7 | | 8.8 | 34.0 | 43.6 | K | 9.5 | 7 3.7 | 42.8 | |
| 9.4 | 47.6 | 16.4 | | 9.0 | 38.4 | 16.3 | Kb | 9.4 | 52.8 | 53.8 | | 9.4 | 37.2 | 28.3 | B | 8.9 | 13.0 | 31.1 | |
| 9.3 | 53 57.2 | 18.8 | | 9.4 | 50.0 | 8.7 | | 9.1 | 22 4.0 | 7.3 | B*b* | 9.5 | 43 9.0 | 13.5 | *a* | 7.4 | 8 28.0 | 7.1 | K |
| 9.4 | 54 28.5 | 22.7 | B | 9.5 | 58.1 | 46.9 | | 9.3 | 5.0 | 10.8 | | 8.6 | 14.2 | 38.4 | K | 9.5 | 10 23.8 | 35.3 | |
| 9.2 | 59.8 | 26.7 | | 8.7 | 7 0.9 | 49.6 | K | 9.4 | 19.9 | 3.5 | | 9.4 | 28.9 | 33.5 | | 9.5 | 36.1 | 34.2 | |
| 9.2 | 55 0.0 | 12.9 | | 9.5 | 30.7 | 9.9 | | 9.5 | 23 11.8 | 56.0 | | 9.5 | 47.8 | 55.3 | | 9.3 | 11 4.5 | 38.7 | |
| 9.0 | 0.3 | 39.4 | | 9.5 | 47.5 | 13.7 | | 8.8 | 30.2 | 32.3 | | 9.4 | 44 45.5 | 55.4 | | 9.5 | 9.8 | 50.0 | |
| 9.5 | 6.6 | 54.5 | | 9.5 | 54.9 | 49.2 | | 9.5 | 42.4 | 4.8 | | 9.5 | 45 48.8 | 2.1 | | 9.5 | 26.0 | 43.7 | |
| 8.4 | 9.0 | 3.7 | K | 9.4 | 8 7.9 | 32.8 | | 7.5 | 43.7 | 53.0 | K | 9.1 | 46 4.2 | 22.5 | *b* | 9.3 | 31.2 | 44.8 | |
| 9.2 | 58.3 | 45.5 | | 9.3 | 9.5 | 43.8 | | 9.4 | 55.2 | 43.7 | | 9.5 | 25.9 | 36.8 | | 9.5 | 33.6 | 28.0 | |
| 9.5 | 56 0.5 | 4.5 | | 9.5 | 40.7 | 25.6 | | 9.4 | 24 5.5 | 14.0 | | 9.5 | 29.2 | 50.2 | | 8.4 | 43.5 | 22.9 | K |
| 9.5 | 3.8 | 42.7 | | 9.3 | 56.4 | 42.0 | | 9.3 | 26.8 | 16.9 | | 9.1 | 47 36.5 | 50.2 | *b* | 8.4 | 51.2 | 47.6 | K |
| 9.3 | 16.7 | 8.6 | | 8.5 | 9 9.5 | 55.5 | Kb | 9.2 | 25 48.8 | 22.8 | *b* | 9.5 | 56.0 | 33.5 | | 9.2 | 12 15.4 | 50.1 | B |
| 9.4 | 22.4 | 29.1 | | 9.5 | 44.9 | 23.3 | | 9.4 | 26 17.2 | 48.8 | | 9.1 | 48 20.9 | 6.0 | | 9.3 | 13 50.9 | 25.5 | |
| 8.7 | 28.5 | 58.9 | L*b* | 9.4 | 57.3 | 26.0 | | 9.5 | 33.2 | 0.7 | B | 9.3 | 33.0 | 24.8 | | 9.4 | 59.0 | 12.4 | |
| 9.5 | 57 2.3 | 32.6 | | 9.0 | 10 45.5 | 54.4 | | 9.5 | 58.5 | 8.2 | | 9.2 | 42.8 | 51.8 | | 9.1 | 14 9.9 | 34.5 | |
| 9.3 | 5.0 | 32.2 | | 9.1 | 11 29.7 | 53.0 | | 9.5 | 27 7.4 | 22.0 | | 8.0 | 49 3.3 | 27.9 | L | 9.2 | 16.3 | 16.4 | *a*B |
| 9.5 | 10.2 | 2.4 | | 9.4 | 12 4.1 | 52.6 | | 9.3 | 23.9 | 26.4 | | 9.5 | 40.9 | 24.3 | | 8.1 | 18.2 | 31.5 | B |
| 8.3 | 25.4 | 18.6 | | 8.8 | 5.2 | 36.0 | | 9.0 | 51.8 | 1.7 | | 9.5 | 49.1 | 10.1 | | 7.7 | 34.1 | 5.8 | K |
| 9.5 | 28.5 | 5.7 | | 8.5 | 6.0 | 19.6 | K | 9.5 | 28 2.7 | 50.2 | | 9.5 | 51.0 | 25.1 | *a*B | 9.5 | 15 18.8 | 58.8 | *a*B |
| 9.5 | 58.5 | 21.4 | | 8.3 | 6.3 | 46.9 | L | 9.4 | 5.3 | 58.7 | | 8.5 | 50 6.2 | 12.6 | L | 9.5 | 22.8 | 3.3 | |
| 9.2 | 58 3.0 | 44.1 | | 7.3 | 23.2 | 23.3 | K | 9.4 | 33.1 | 9.7 | | 9.3 | 19.2 | 59.8 | *a*B | 7.9 | 29.4 | 58.2 | K*b* |
| 9.5 | 16.4 | 56.4 | | 8.8 | 52.8 | 30.3 | Kb | 9.3 | 44.9 | 39.6 | | 8.9 | 49.2 | 19.4 | | 9.5 | 16 38.6 | 51.0 | |
| 9.3 | 44.9 | 15.5 | | 9.5 | 13 14.5 | 17.9 | | 9.5 | 50.7 | 50.9 | B | 9.0 | 51 12.3 | 29.2 | | 9.5 | 48.9 | 45.2 | |
| 9.3 | 53.8 | 37.7 | | 9.0 | 52.2 | 20.0 | K | 9.4 | 51.0 | 41.5 | | 9.5 | 44.5 | 36.7 | | 9.1 | 17 35.3 | 7.2 | *b* |
| 9.5 | 54.7 | 45.8 | | 9.5 | 55.5 | 49.0 | | 9.5 | 29 12.9 | 42.4 | | 9.1 | 46.1 | 23.6 | | 8.8 | 36.5 | 31.7 | K |
| 7.2 | 59 0.5 | 27.9 | K | 8.8 | 14 10.6 | 12.1 | B | 9.0 | 23.0 | 11.4 | | 9.4 | 54 21.2 | 48.8 | | 9.3 | 59.7 | 25.5 | |
| 8.8 | 16.6 | 44.3 | | 8.9 | 10.8 | 18.5 | B | 8.2 | 25.4 | 59.2 | *B* | 9.0 | 25.5 | 56.7 | | 9.5 | 18 18.4 | 52.6 | |
| 9.5 | 28.2 | 26.1 | | 9.5 | 16.0 | 10.8 | | 9.5 | 56.9 | 48.3 | *B* | 9.5 | 26.6 | 23.3 | *b* | 9.5 | 19 2.9 | 51.7 | |
| 9.5 | 34.2 | 1.3 | | 9.3 | 23.3 | 48.8 | | 9.1 | 30 15.3 | 38.2 | *a*B | 9.5 | 49.5 | 59.6 | | 9.3 | 20 19.5 | 37.6 | |
| 8.8 | 56.2 | 44.3 | K | 9.0 | 32.9 | 1.4 | | 8.3 | 31 41.6 | 23.5 | *B* | 9.5 | 49.7 | 18.3 | | 9.0 | 36.1 | 7.3 | |
| 9.5 | 0 15.3 | 53.9 | | 9.5 | 52.0 | 29.4 | | 8.6 | 54.3 | 40.6 | | 8.8 | 55 20.7 | 53.9 | | 7.7 | 21 9.6 | 12.2 | K |
| 9.4 | 49.5 | 16.0 | | 9.3 | 15 14.9 | 36.9 | B | 9.5 | 32 27.4 | 47.8 | | 8.5 | 45.0 | 58.8 | Kb | 6.7 | 57.5 | 17.4 | K |
| 9.3 | 55.3 | 11.9 | B | 9.5 | 31.2 | 3.5 | | 9.3 | 30.0 | 34.6 | | 9.5 | 51.8 | 1.3 | | 7.8 | 22 4.2 | 60.5 | K |
| 10 pr. | 38.78 | 1.60 | | 10 pr. | 33.53 | 1.76 | | 10 pr. | 38.20 | 1.94 | | 10 pr. | 37.67 | 2.19 | | 10 pr. | 36.92 | 2.46 | |

2001—2060

| m | 9ʰ | +34° | |
|---|---|---|---|
| 9.5 | 22′ 16.3″ | 55.1 | |
| 9.5 | 27.5 | 2.8 | |
| 9.5 | 47.0 | 36.5 | |
| 9.5 | 56.8 | 43.3 | |
| 9.2 | 24 25.2 | 34.2 | K |
| 9.5 | 25 38.8 | 57.0 | |
| 9.0 | 26 12.6 | 19.0 | |
| 9.4 | 54.3 | 6.7 | |
| 9.5 | 27 18.1 | 3.5 | |
| 8.5 | 29.9 | 39.9 | K |
| 9.4 | 28 15.4 | 42.4 | |
| 9.5 | 29 5.9 | 30.0 | |
| 8.9 | 27.6 | 15.3 | K |
| 8.8 | 34.9 | 33.5 | K |
| 9.4 | 31 29.5 | 6.3 | |
| 9.2 | 44.0 | 39.1 | b |
| 9.2 | 33 22.0 | 55.3 | aB |
| 9.5 | 28.2 | 23.8 | |
| 8.1 | 36.5 | 58.1 | K |
| 9.5 | 34 36.7 | 26.0 | |
| 9.5 | 46.0 | 43.2 | |
| 7.2 | 35 1.9 | 45.9 | K |
| 8.3 | 14.1 | 3.4 | B |
| 9.4 | 19.2 | 23.0 | |
| 9.1 | 43.7 | 4.1 | b |
| 9.4 | 36 5.1 | 16.7 | aB |
| 9.4 | 11.0 | 17.9 | |
| 9.5 | 49.5 | 43.2 | |
| 8.5 | 38 15.9 | 26.4 | K |
| 9.5 | 17.1 | 32.8 | |
| 9.5 | 38.2 | 13.0 | |
| 9.5 | 39 41.3 | 12.3 | |
| 9.5 | 51.3 | 31.1 | |
| 9.5 | 57.8 | 23.4 | |
| 6.3 | 40 23.9 | 46.7 | K |
| 9.4 | 55.3 | 43.9 | |
| 9.1 | 41 0.3 | 47.0 | K |
| 7.8 | 23.8 | 17.0 | K |
| 9.5 | 42 3.6 | 11.3 | |
| 9.0 | 43 20.6 | 27.0 | B |
| 8.4 | 31.9 | 45.9 | K |
| 9.5 | 32.5 | 55.7 | |
| 9.5 | 40.0 | 59.3 | |
| 8.8 | 51.7 | 28.0 | L |
| 9.5 | 44 9.3 | 28.5 | B |
| 9.5 | 19.3 | 45.3 | |
| 8.8 | 31.8 | 3.8 | K |
| 8.2 | 44.9 | 37.1 | L |
| 9.5 | 46 18.4 | 56.2 | B |
| 9.5 | 23.4 | 10.4 | B |
| 9.5 | 55.3 | 39.4 | |
| 9.2 | 47 15.3 | 19.7 | K |
| 9.1 | 33.9 | 56.9 | b |
| 8.7 | 44.3 | 8.6 | B |
| 9.3 | 50.8 | 48.0 | |
| 9.4 | 52.1 | 7.2 | |
| 9.5 | 48 35.9 | 23.4 | |
| 9.5 | 49 1.3 | 14.8 | |
| 9.4 | 55.3 | 49.3 | |
| 9.4 | 50 6.6 | 2.1 | |
| | + | — | |
| 10pr. | 36.04 | 2.73 | |

2061—2120

| m | 9ʰ—10ʰ | +34° | |
|---|---|---|---|
| 9.4 | 50′ 9.4″ | 31.3 | B |
| 9.0 | 23.3 | 5.1 | K |
| 9.1 | 26.1 | 40.6 | b |
| 9.1 | 51 19.3 | 26.5 | |
| 9.2 | 53.2 | 39.6 | b |
| 9.3 | 58.6 | 8.5 | |
| 9.5 | 53 5.3 | 25.1 | |
| 9.4 | 14.6 | 32.1 | |
| 9.5 | 55.2 | 23.0 | |
| 9.5 | 54 10.0 | 0.6 | |
| 9.4 | 38.8 | 56.1 | |
| 9.4 | 48.7 | 43.0 | B |
| 8.5 | 55 4.3 | 43.2 | Kb |
| 9.4 | 7.2 | 52.8 | |
| 9.4 | 44.2 | 12.5 | |
| 9.4 | 56.2 | 39.5 | |
| 9.4 | 56 42.8 | 52.6 | |
| 9.5 | 57 18.6 | 17.0 | |
| 8.1 | 21.5 | 53.6 | Kb |
| 8.3 | 21.8 | 57.1 | K |
| 9.5 | 44.3 | 52.1 | |
| 9.0 | 58 1.5 | 14.6 | |
| 8.6 | 32.3 | 17.6 | |
| 9.0 | 32.6 | 42.8 | |
| 9.3 | 38.6 | 27.5 | |
| 9.1 | 59 36.2 | 12.9 | K |
| 9.4 | 46.6 | 12.0 | |
| 7.0 | 0 0.4 | 13.3 | K |
| 7.3 | 14.6 | 56.9 | Kb |
| 8.9 | 34.4 | 7.5 | |
| 8.4 | 46.5 | 3.9 | |
| 8.2 | 1 55.3 | 49.6 | K |
| 9.5 | 2 38.5 | 40.6 | |
| 9.5 | 51.9 | 13.3 | |
| 9.5 | 55.2 | 27.3 | |
| 9.1 | 3 21.6 | 14.1 | |
| 8.5 | 4 15.7 | 35.5 | |
| 9.4 | 48.3 | 49.0 | |
| 9.5 | 5 3.4 | 12.9 | |
| 9.5 | 29.9 | 52.2 | |
| 9.5 | 6 6.6 | 33.5 | |
| 8.6 | 27.7 | 27.0 | |
| 9.4 | 41.1 | 55.1 | |
| 9.4 | 7 5.9 | 58.7 | |
| 8.5 | 44.7 | 30.8 | |
| 9.5 | 8 27.0 | 23.6 | |
| 9.5 | 9 23.8 | 3.7 | |
| 9.4 | 10 9.7 | 51.1 | |
| 9.5 | 11 3.2 | 27.4 | |
| 8.1 | 41.5 | 18.9 | K |
| 8.5 | 44.4 | 12.7 | Kb |
| 9.5 | 12 47.9 | 33.8 | |
| 9.5 | 55.8 | 47.5 | |
| 7.8 | 59.3 | 12.2 | K |
| 9.5 | 13 15.7 | 16.3 | |
| 8.9 | 26.4 | 34.3 | Kb |
| *9.5 | 55.6 | 33.8 | |
| *8.3 | 14 30.9 | 0.4 | K |
| 9.5 | 41.8 | 53.8 | B |
| 6.0 | 44.4 | 38.3 | Lb |
| | + | — | |
| 10pr. | 35.29 | 2.89 | |

2121—2180

| m | 10ʰ | +34° | |
|---|---|---|---|
| 9.5 | 15′ 3.0″ | 16.8 | |
| 7.3 | 44.5 | 55.7 | K |
| 5.8 | 48.9 | 26.8 | Kb |
| 7.4 | 16 0.3 | 54.6 | B |
| 9.2 | 24.4 | 45.9 | K |
| 8.5 | 17 16.0 | 2.8 | K |
| 9.5 | 30.3 | 54.2 | |
| 4.5 | 36.2 | 32.4 | Lb |
| 9.1 | 58.6 | 2.7 | K |
| 9.5 | 18 8.4 | 51.5 | |
| 9.3 | 34.7 | 37.1 | |
| 9.3 | 42.5 | 34.3 | |
| 9.5 | 21 5.4 | 34.8 | |
| 9.4 | 22 28.3 | 56.0 | |
| 9.0 | 35.3 | 53.0 | Kb |
| 9.3 | 48.5 | 48.8 | |
| 9.5 | 23 51.2 | 27.1 | |
| 9.3 | 24 30.3 | 41.8 | |
| 9.3 | 34.8 | 48.1 | Kb |
| 9.5 | 25 35.7 | 54.7 | |
| 8.9 | 26 17.6 | 12.3 | K |
| 9.3 | 40.1 | 56.4 | |
| 9.5 | 28 0.5 | 52.6 | |
| 9.4 | 29 5.6 | 55.8 | |
| 6.5 | 40.1 | 50.2 | Lb |
| 9.3 | 31 7.2 | 36.4 | |
| 9.5 | 45.0 | 28.5 | |
| 9.5 | 32 2.3 | 5.2 | B |
| 9.4 | 39.8 | 7.0 | |
| 9.4 | 44.0 | 24.0 | |
| 9.5 | 33 22.2 | 56.0 | |
| 9.5 | 34 8.4 | 51.6 | |
| 8.5 | 35 2.8 | 7.2 | K |
| 9.2 | 27.5 | 48.7 | K |
| 9.4 | 32.4 | 10.4 | B |
| 8.3 | 38 16.7 | 53.5 | K |
| 9.5 | 32.9 | 55.5 | B |
| 8.2 | 40.4 | 19.3 | B |
| 9.2 | 39 34.5 | 55.1 | |
| 8.7 | 35.7 | 21.6 | K |
| 9.3 | 40 0.0 | 2.9 | |
| 9.3 | 1.5 | 22.2 | |
| 9.1 | 32.8 | 31.2 | |
| 9.5 | 41 17.2 | 7.1 | aB |
| 9.5 | 31.9 | 39.6 | |
| 8.7 | 55.9 | 46.5 | K |
| 9.3 | 42 23.6 | 33.3 | B |
| 9.5 | 26.2 | 45.7 | |
| 9.0 | 43 41.0 | 56.2 | Kb |
| 9.5 | 44 28.8 | 49.0 | |
| 9.5 | 45 1.0 | 25.7 | |
| 4.0 | 11.1 | 59.7 | B |
| 9.5 | 24.7 | 23.8 | |
| 9.5 | 33.5 | 37.5 | |
| 9.3 | 46.2 | 27.6 | |
| 8.5 | 46 7.5 | 53.9 | K |
| 9.1 | 29.2 | 40.9 | |
| 7.0 | 53.4 | 48.5 | Kb |
| 9.5 | 47 8.8 | 40.2 | |
| 9.1 | 18.5 | 49.3 | K |
| | + | — | |
| 10pr. | 34.12 | 3.11 | |

2181—2240

| m | 10ʰ—11ʰ | +34° | |
|---|---|---|---|
| 5.5 | 47′ 42.5″ | 17.1 | K |
| 9.5 | 48 16.5 | 32.2 | |
| 8.8 | 17.8 | 9.2 | K |
| 9.5 | 27.3 | 24.4 | |
| 9.4 | 28.9 | 57.8 | |
| 9.4 | 37.5 | 5.6 | |
| 9.5 | 49 59.6 | 32.3 | |
| 8.2 | 50 53.1 | 5.9 | K |
| 9.2 | 51 50.5 | 23.6 | aB |
| 9.5 | 52 18.4 | 1.5 | |
| 9.4 | 24.7 | 21.7 | B |
| 9.5 | 40.9 | 53.3 | |
| 9.3 | 53 31.0 | 8.1 | b |
| 9.5 | 54 37.5 | 41.5 | |
| 9.1 | 56 2.6 | 58.5 | Kb |
| 9.5 | 23.5 | 15.8 | |
| 9.4 | 57 25.2 | 35.4 | b |
| 9.5 | 0 8.8 | 0.9 | |
| 9.5 | 28.3 | 59.0 | |
| 8.4 | 43.7 | 39.3 | B |
| 9.4 | 2 55.9 | 36.4 | |
| 9.5 | 3 2.2 | 12.8 | |
| 9.5 | 4.9 | 50.3 | |
| 9.0 | 4 2.8 | 21.1 | |
| 9.5 | 12.7 | 1.5 | |
| 6.8 | 5 27.5 | 14.1 | Kb |
| 9.5 | 6 25.9 | 17.1 | |
| 9.5 | 59.5 | 25.0 | |
| 9.0 | 9 41.8 | 4.0 | |
| 9.5 | 10 52.8 | 33.7 | |
| 9.1 | 54.3 | 27.7 | |
| 9.3 | 11 33.5 | 50.7 | |
| 9.5 | 12 33.4 | 5.0 | |
| 9.3 | 56.3 | 25.3 | aBb |
| 9.5 | 13 20.5 | 16.8 | |
| 9.5 | 14 48.0 | 39.7 | |
| 8.3 | 15 0.8 | 1.1 | K |
| 9.3 | 16 30.1 | 2.3 | |
| 9.3 | 44.9 | 13.8 | |
| 9.4 | 17 1.7 | 53.3 | |
| 9.5 | 18 33.4 | 44.3 | B |
| 6.8 | 38.3 | 14.8 | K |
| 9.5 | 19 24.4 | 50.6 | |
| 9.0 | 35.1 | 44.0 | |
| 9.3 | 48.3 | 47.5 | |
| 9.5 | 20 6.2 | 18.5 | |
| 9.1 | 8.5 | 12.0 | b |
| 9.4 | 24 37.5 | 11.2 | B |
| 9.3 | 46.4 | 21.7 | |
| 7.7 | 25 18.9 | 50.5 | Kb |
| 9.1 | 26 59.3 | 37.7 | aBb |
| 9.5 | 27 6.9 | 1.5 | |
| 8.7 | 15.5 | 36.4 | K |
| 9.3 | 28.7 | 38.2 | a |
| 9.2 | 28 21.7 | 2.5 | K |
| 8.7 | 29 2.6 | 13.4 | Kb |
| 9.5 | 8.0 | 19.6 | |
| 9.2 | 36.1 | 53.9 | |
| 8.9 | 47.5 | 42.0 | |
| 9.4 | 30 4.4 | 5.2 | B |
| | + | — | |
| 10pr. | 32.68 | 3.26 | |

2241—2300

| m | 11ʰ—12ʰ | +34° | |
|---|---|---|---|
| 9.5 | 30′ 32.0″ | 12.0 | |
| 6.3 | 52.5 | 26.8 | L |
| 9.3 | 31 13.5 | 22.1 | |
| 9.3 | 17.0 | 35.5 | |
| 8.6 | 32 37.5 | 28.9 | |
| 9.5 | 33 18.3 | 2.0 | B |
| 9.4 | 27.0 | 12.7 | |
| 9.5 | 34 17.7 | 1.9 | |
| 9.4 | 25.0 | 3.4 | |
| 9.5 | 57.5 | 28.8 | |
| 9.5 | 35 42.2 | 23.0 | |
| 9.1 | 36 20.7 | 56.0 | |
| 9.4 | 27.4 | 28.4 | B |
| 9.4 | 37.0 | 0.4 | |
| 9.4 | 37 26.3 | 22.8 | aBb |
| 9.5 | 33.5 | 54.4 | |
| 9.5 | 39 2.0 | 8.5 | |
| 9.4 | 18.2 | 14.1 | |
| 9.1 | 41 21.2 | 28.9 | b |
| 9.4 | 42 58.1 | 30.2 | aB |
| 9.4 | 43 14.0 | 7.0 | |
| 7.1 | 25.1 | 25.1 | L |
| 9.0 | 33.1 | 10.9 | B |
| 6.2 | 36.8 | 10.8 | B |
| 8.6 | 44 38.1 | 38.9 | K |
| 9.4 | 45 15.1 | 31.0 | aB |
| 9.4 | 46 0.2 | 30.9 | aB |
| 6.8 | 15.5 | 26.1 | K |
| 9.5 | 47 3.5 | 48 8 | |
| 8.2 | 48 42.2 | 0.3 | K |
| 9.5 | 52.5 | 40.7 | aB |
| 9.3 | 49 37.0 | 57.5 | |
| 8.9 | 40.1 | 9.7 | K |
| 9.3 | 50 8.5 | 36.1 | |
| 9.4 | 27.5 | 12.1 | |
| 9.4 | 51 6.5 | 2.1 | |
| 9.5 | 49.2 | 4.2 | |
| 9.0 | 52 20.0 | 45.1 | K |
| 6.6 | 30.6 | 51.0 | Kb |
| 9.1 | 53 0.5 | 38.5 | |
| 8.8 | 55 51.2 | 24.4 | |
| 9.4 | 56 58.0 | 25.1 | |
| 9.5 | 57 9.5 | 51.6 | |
| 7.3 | 43.0 | 33.4 | K |
| 8.0 | 59 15.7 | 22.0 | L |
| 8.1 | 29.1 | 14.1 | Kb |
| 9.4 | 59.5 | 38.1 | |
| 8.7 | 0 3.2 | 31.2 | K |
| 9.5 | 43.0 | 50.7 | |
| *9.5 | 1 6.6 | 6.7 | |
| 9.1 | 2 12.5 | 44.4 | K |
| 9.4 | 19.2 | 17.7 | B |
| 9.5 | 51.5 | 53.3 | |
| 9.2 | 3 0.8 | 15.5 | aB |
| 9.5 | 4 12.3 | 13.6 | B |
| 9.4 | 5 16.5 | 36.8 | |
| 9.5 | 6 36.5 | 30.6 | |
| 9.0 | 53.0 | 17.8 | B |
| 8.0 | 55.3 | 15.3 | B |
| 9.4 | 7 0.7 | 20.4 | B |
| | + | — | |
| 10pr. | 31.17 | 3.34 | |

2117ᵉ 9.5 | 14 29.7 | 53.7 | a

2290ᵉ 9.5 | 1 36.0 | 23.0

2290ᵇ 9.5 | 2 10.5 | 28.0

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ | | +34° | | | 12ᵘ—13ᵘ | | +34° | | | 13ᵘ | | +34° | | | 13ᵘ—14ᵘ | | +34° | | | 14ᵘ | | +34° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 7.8 | 7 | 39.6 | 3.1 | K | 9.5 | 42 | 42.2 | 52.9 | | 7.9 | 18 | 21.4 | 6.6 | K | 9.5 | 55 | 31.6 | 28.5 | | 9.0 | 29 | 1.5 | 22.8 | |
| 9.3 | | 52.0 | 35.0 | | 9.4 | 43 | 19.7 | 29.9 | | 9.1 | | 36.8 | 40.9 | K | 9.5 | 56 | 13.7 | 28.5 | | 9.2 | | 18.6 | 26.8 | aB |
| 9.5 | 9 | 32.0 | 42.1 | b | 9.3 | 44 | 7.7 | 9.4 | | 9.4 | 19 | 31.8 | 26.1 | aB | 9.5 | | 25.6 | 51.8 | | 9.0 | 31 | 0.5 | 21.4 | K |
| 9.5 | 10 | 12.2 | 45.4 | | 9.5 | | 34.6 | 59.0 | | 9.0 | 21 | 5.7 | 22.8 | B | 9.4 | 57 | 15.8 | 36.4 | aB | 7.5 | | 1.9 | 18.6 | K |
| 9.3 | 13 | 1.7 | 15.9 | | 8.7 | 45 | 33.7 | 37.2 | K | 9.5 | | 23.6 | 5.3 | | 9.5 | 58 | 7.7 | 6.1 | | 9.5 | 32 | 5.9 | 23.2 | |
| 9.4 | | 6.2 | 31.7 | | 9.0 | | 53.2 | 31.3 | K | 8.0 | | 57.0 | 25.4 | L | 9.5 | 59 | 19.9 | 52.5 | | 8.9 | | 43.8 | 39.1 | K |
| 9.1 | | 47.0 | 48.3 | aBb | 8.9 | 46 | 32.2 | 42.6 | K | 9.5 | 22 | 39.5 | 55.4 | | 9.4 | | 21.5 | 30.7 | | 9.4 | 34 | 8.8 | 27.8 | |
| 9.0 | 14 | 16.1 | 15.5 | | 9.3 | | 40.0 | 0.2 | | 8.5 | 23 | 26.0 | 2.0 | Kb | 9.1 | | 28.5 | 34.7 | aBb | 9.5 | | 18.5 | 8.1 | |
| 9.4 | 15 | 45.0 | 6.5 | | 6.5 | 47 | 18.4 | 19.5 | K | 9.5 | 26 | 35.5 | 54.3 | | 9.5 | | 29.2 | 21.5 | | 9.3 | | 31.6 | 31.8 | aB |
| 9.5 | 17 | 12.4 | 44.6 | | 9.5 | | 59.5 | 58.5 | | 6.5 | | 50.0 | 23.5 | K | 9.1 | 1 | 13.9 | 43.6 | | 8.9 | | 38.4 | 32.3 | K |
| 8.8 | | 42.7 | 19.9 | Kb | 9.0 | 50 | 54.7 | 26.9 | | 9.0 | | 51.5 | 47.8 | K | 9.0 | | 22.0 | 5.8 | | 8.5 | | 42.9 | 54.2 | Kb |
| 9.5 | 18 | 39.0 | 55.5 | | 9.2 | 51 | 4.5 | 14.7 | Kb | 9.5 | 27 | 24.1 | 10.8 | B | 9.0 | 2 | 6.2 | 36.4 | K | 8.7 | 36 | 25.2 | 44.3 | K |
| 9.5 | 19 | 3.4 | 55.9 | | 9.5 | | 25.1 | 3.9 | | 9.4 | 28 | 16.8 | 28.0 | B | 9.1 | | 17.5 | 20.2 | | 9.1 | 37 | 11.9 | 32.6 | |
| 9.4 | | 31.6 | 24.3 | | 9.4 | | 51.4 | 1.2 | | 9.5 | | 45.7 | 49.5 | | 8.5 | | 25.9 | 22.6 | K | 9.5 | | 42.4 | 5.6 | |
| 9.5 | | 32.1 | 1.1 | B | 9.5 | | 52.2 | 43.3 | B | 6.5 | 31 | 7.0 | 29.2 | K | 8.5 | | 29.6 | 29.8 | K | 9.4 | 38 | 28.0 | 18.1 | |
| 9.5 | 21 | 27.6 | 31.8 | | 9.5 | | 53.1 | 46.6 | | 8.3 | | 31.4 | 30.2 | K | 9.5 | | 53.9 | 59.0 | | 9.2 | | 30.5 | 21.4 | aB |
| 9.0 | 22 | 25.9 | 21.9 | | 8.3 | 52 | 36.3 | 49.9 | K | 9.5 | | 38.9 | 52.9 | | 9.3 | 3 | 2.2 | 28.8 | | 9.0 | | 36.0 | 26.5 | |
| 9.1 | 23 | 17.7 | 54.0 | | 9.5 | 53 | 38.0 | 7.4 | | 9.5 | 32 | 22.2 | 39.1 | | 9.5 | | 12.0 | 54.6 | | 9.5 | 39 | 2.7 | 39.6 | |
| 8.4 | | 27.9 | 33.2 | K | 9.4 | 55 | 28.2 | 33.4 | b | 8.7 | 34 | 29.7 | 8.6 | Kb | 9.5 | | 53.0 | 26.1 | | 7.7 | | 14.0 | 59.3 | Kb |
| 9.0 | | 55.1 | 42.1 | K | 9.5 | | 50.0 | 56.0 | | 9.4 | 35 | 15.0 | 35.7 | | 9.3 | 4 | 52.2 | 37.8 | | 9.5 | | 35.9 | 2.7 | |
| 9.4 | 24 | 28.1 | 57.2 | B | 9.5 | 56 | 11.5 | 56.8 | | 9.5 | | 41.9 | 13.0 | | 9.5 | 5 | 19.3 | 53.2 | | 9.5 | | 36.6 | 48.7 | |
| 8.8 | | 31.4 | 44.1 | Kb | 9.4 | 57 | 58.7 | 48.1 | aB | 9.5 | | 42.3 | 37.8 | | 9.3 | | 33.2 | 19.9 | b | 9.2 | 40 | 5.2 | 29.6 | K |
| 8.7 | | 34.5 | 16.0 | | 9.5 | 58 | 41.2 | 3.5 | | 9.2 | | 45.5 | 45.7 | K | 9.5 | | 48.9 | 34.0 | | 9.5 | | 11.0 | 50.2 | |
| 9.5 | | 58.4 | 54.2 | | 9.5 | | 56.2 | 50.2 | ? | 8.2 | 36 | 14.2 | 35.3 | K | 9.5 | 6 | 22.4 | 48.8 | | 9.4 | | 22.7 | 34.5 | |
| 9.3 | 25 | 6.9 | 35.2 | | 9.5 | | 56.5 | 57.4 | | 9.5 | 37 | 0.7 | 40.9 | | 9.5 | | 50.9 | 22.2 | | 9.0 | | 38.2 | 27.3 | K |
| 9.5 | | 23.9 | 22.8 | | 9.1 | 59 | 13.7 | 39.2 | | 9.5 | | 56.9 | 14.7 | | 9.4 | 7 | 7.2 | 30.2 | aB | 9.2 | | 45.7 | 50.7 | |
| 9.5 | | 33.4 | 32.9 | | 9.5 | | 33.5 | 33.2 | | 9.0 | 38 | 12.8 | 3.1 | Kb | 8.5 | 8 | 3.9 | 38.0 | S | 9.5 | 41 | 38.5 | 29.7 | |
| 9.5 | | 46.2 | 7.4 | | 9.4 | | 42.7 | 16.8 | B | 7.5 | 39 | 38.8 | 47.0 | K | 9.5 | | 11.5 | 52.5 | | 9.3 | 42 | 12.1 | 13.9 | |
| 9.1 | 26 | 7.9 | 18.1 | | 8.1 | | 47.6 | 48.5 | K | 8.6 | 40 | 46.5 | 2.0 | K | 9.3 | 9 | 58.9 | 15.0 | | 9.3 | | 29.0 | 36.7 | aBb |
| 9.2 | | 8.3 | 49.2 | | 9.3 | | 55.4 | 32.0 | aB | 9.5 | | 50.2 | 27.7 | | 9.1 | 10 | 14.8 | 12.2 | b | 9.4 | | 51.7 | 59.9 | |
| 8.3 | | 15.9 | 57.9 | K | 9.5 | 0 | 51.0 | 4.9 | | 8.5 | | 50.8 | 43.2 | K | 9.5 | | 32.1 | 31.5 | | *9.4 | 44 | 21.5 | 36.2 | |
| 5.4 | | 30.6 | 2.8 | L | 9.3 | 1 | 0.6 | 36.1 | B | 9.5 | 41 | 16.9 | 47.0 | | 9.5 | | 35.9 | 38.1 | | 9.3 | | 47.4 | 48.5 | Kb |
| 6.6 | | 40.7 | 11.5 | L | 9.5 | 2 | 4.2 | 9.1 | | 9.5 | 42 | 3.4 | 56.1 | | 8.5 | 11 | 5.8 | 33.5 | K | 9.0 | 45 | 41.5 | 58.5 | |
| 9.5 | 27 | 7.0 | 9.6 | | 9.5 | | 8.3 | 16.1 | | 8.4 | | 53.0 | 28.1 | K | 9.0 | | 13.5 | 25.7 | | 9.1 | | 48.8 | 44.8 | aBb |
| 9.5 | 28 | 2.6 | 6.0 | | 9.4 | | 33.8 | 24.7 | B | 9.5 | 43 | 24.0 | 39.6 | | 8.7 | 12 | 14.4 | 52.8 | K | 9.4 | | 56.2 | 13.5 | |
| 8.7 | | 33.0 | 51.2 | Kb | 9.4 | | 56.9 | 42.7 | B | 9.2 | | 28.5 | 6.1 | | 9.2 | | 47.3 | 5.1 | K | 9.5 | 46 | 49.7 | 9.4 | |
| 8.5 | 29 | 12.7 | 43.9 | K | 9.3 | 3 | 6.7 | 11.9 | | 9.5 | 44 | 23.8 | 32.0 | | 9.1 | 13 | 9.5 | 29.5 | b | 9.5 | 47 | 7.7 | 33.9 | |
| 9.5 | | 42.9 | 26.5 | | 9.0 | | 8.2 | 29.6 | L | 9.5 | | 54.5 | 6.1 | | 9.5 | | 34.1 | 56.2 | B | 9.0 | | 19.8 | 38.0 | |
| 9.4 | 30 | 26.6 | 5.0 | | 9.5 | | 25.5 | 29.2 | B | 9.5 | | 58.6 | 55.5 | | 9.5 | 14 | 5.0 | 35.4 | | 8.5 | 48 | 6.2 | 13.8 | |
| 9.3 | 31 | 18.2 | 22.6 | Kb | 7.7 | 4 | 27.9 | 14.2 | K | 8.9 | 45 | 13.0 | 10.8 | L | 8.6 | | 17.5 | 14.4 | K | 8.6 | | 17.4 | 12.1 | |
| 7.0 | 33 | 6.7 | 57.2 | K | 9.5 | | 41.7 | 21.0 | | 9.5 | | 40.5 | 42.1 | | 9.3 | 15 | 29.9 | 32.4 | | 7.9 | | 34.0 | 41.4 | K |
| 8.1 | | 50.6 | 54.7 | Kb | 9.3 | 5 | 15.3 | 32.7 | | 9.4 | | 50.2 | 26.6 | | 9.0 | | 42.0 | 13.7 | K | 9.5 | 49 | 20.7 | 32.8 | |
| 9.5 | 34 | 21.3 | 9.8 | aB | 9.5 | 7 | 6.8 | 16.9 | | 9.5 | 46 | 0.5 | 22.1 | | 9.5 | 16 | 2.3 | 31.2 | | 9.4 | | 51.4 | 12.1 | |
| 7.0 | 35 | 18.6 | 29.2 | Lb | 9.5 | | 29.2 | 45.4 | | 8.3 | | 22.4 | 7.0 | K | 9.5 | | 7.2 | 26.1 | | 9.3 | 51 | 14.1 | 15.4 | aB |
| 9.0 | | 29.7 | 24.0 | L | 9.5 | | 38.6 | 28.2 | | 9.3 | | 42.9 | 50.1 | K | 8.6 | 17 | 14.7 | 13.3 | K | 9.5 | | 54.6 | 6.2 | |
| 8.6 | | 37.7 | 37.4 | K | 9.0 | 8 | 20.6 | 24.1 | | 9.5 | | 47.2 | 44.2 | | 9.5 | 18 | 22.5 | 4.2 | | 9.3 | 52 | 5.9 | 54.1 | Kb |
| 8.8 | | 38.6 | 14.4 | K | 9.3 | | 32.3 | 44.0 | | 7.5 | | 58.8 | 29.8 | K | 9.5 | 19 | 47.6 | 13.0 | | 9.1 | 53 | 31.6 | 42.2 | Bb |
| 9.5 | 36 | 20.7 | 44.3 | | 8.0 | | 55.8 | 57.7 | K | 9.5 | 47 | 45.5 | 25.3 | | 9.5 | 20 | 42.1 | 42.9 | | 9.5 | | 47.0 | 57.8 | |
| 9.5 | 37 | 21.5 | 47.2 | B | 9.2 | 10 | 1.6 | 37.8 | K | 9.4 | | 50.2 | 55.1 | | 8.8 | | 50.9 | 2.1 | L | 9.0 | | 52.2 | 45.2 | K |
| 7.2 | 38 | 43.7 | 20.6 | K | 6.2 | 11 | 46.8 | 51.3 | K | 9.5 | 48 | 52.5 | 9.9 | | 9.5 | | 58.5 | 53.0 | B | 9.0 | 54 | 0.2 | 33.8 | |
| 9.4 | | 50.1 | 10.8 | B | 8.3 | 12 | 9.3 | 12.4 | | 9.3 | 49 | 27.8 | 45.7 | K | 9.0 | 22 | 56.7 | 29.5 | Kb | 9.4 | | 16.0 | 29.3 | |
| 9.4 | | 51.2 | 24.1 | | 9.2 | 13 | 19.7 | 5.0 | | 9.0 | 50 | 19.8 | 37.7 | K | 9.4 | 23 | 14.4 | 20.2 | | 9.5 | | 34.9 | 14.5 | |
| 9.5 | 39 | 21.2 | 28.2 | | 9.5 | 14 | 12.0 | 8.3 | | 9.0 | | 44.2 | 30.9 | B | 9.1 | 24 | 1.0 | 26.0 | | 9.3 | | 35.1 | 11.7 | aB |
| 9.3 | | 42.2 | 36.4 | | 9.4 | | 19.9 | 6.6 | | 9.1 | 51 | 2.3 | 18.9 | b | 9.0 | | 1.7 | 35.2 | K | 9.3 | 55 | 33.7 | 29.0 | |
| 9.5 | 40 | 1.6 | 43.1 | | 8.9 | | 38.8 | 3.8 | K | 9.5 | | 37.2 | 33.0 | | 9.5 | | 58.2 | 48.1 | | 9.5 | 56 | 29.2 | 36.9 | |
| 9.4 | | 11.7 | 12.0 | | 9.5 | 15 | 4.2 | 47.8 | | 9.3 | 52 | 47.5 | 35.7 | | 9.3 | | 58.9 | 58.8 | | 9.1 | 57 | 26.7 | 15.5 | |
| 9.3 | | 15.6 | 44.1 | aB | 9.5 | 16 | 23.6 | 40.3 | | 9.1 | 53 | 49.1 | 28.4 | b | 9.5 | 25 | 22.2 | 51.9 | | 9.0 | | 30.7 | 50.4 | |
| 7.9 | 42 | 3.7 | 34.6 | K | 8.9 | | 55.2 | 6.8 | K | 9.5 | 54 | 6.9 | 52.5 | | 9.5 | 27 | 57.5 | 54.1 | | 8.2 | | 31.1 | 8.4 | B |
| 9.5 | | 29.0 | 7.6 | | 9.0 | 18 | 2.2 | 55.6 | B | 9.3 | | 15.0 | 3.3 | | 8.9 | 28 | 20.8 | 56.6 | B | 8.5 | | 50.3 | 56.8 | K |
| 9.5 | | 34.2 | 18.5 | | 9.4 | | 11.7 | 54.6 | | 9.1 | 55 | 22.5 | 56.6 | | 9.3 | | 22.3 | 4.2 | | 9.4 | 58 | 52.2 | 37.0 | |
| | | + | − | | | | + | − | | | | + | − | | | | + | − | | | | + | − | |
| 10 pr. | | 29.67 | 3.32 | | 10 pr. | | 28.32 | 3.23 | | 10 pr. | | 26.81 | 3.02 | | 10 pr. | | 25.77 | 2.82 | | 10 pr. | | 24.70 | 2.52 | |

| 2570ᵐ | | | | |
|---|---|---|---|---|
| 9.5 | 43 | 8.4 | 34.8 | b |

2601—2660

| | 14ᵃ—15ᵃ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 59 43.6 | 17.8 | αBb |
| 9.3 | 1 1.5 | 6.9 | |
| 7.8 | 17.2 | 31.2 | K |
| 7.0 | 2 29.7 | 16.3 | L |
| 8.8 | 34.3 | 2.1 | L |
| 9.2 | 35.7 | 13.2 | |
| 9.2 | 55.5 | 6.4 | |
| 9.5 | 3 10.8 | 24.6 | |
| 9.5 | 4 13.7 | 8.1 | |
| 9.5 | 24.2 | 55.3 | |
| 9.5 | 5 1.3 | 34.5 | αB |
| 9.3 | 7 2.7 | 14.4 | b |
| 9.2 | 6.3 | 48.0 | K |
| 9.5 | 52.7 | 35.3 | αB |
| 9.3 | 8 34.6 | 20.8 | |
| 8.8 | 9 11.2 | 56.7 | K |
| 8.0 | 13.2 | 3.3 | L |
| 9.5 | 49.0 | 1.9 | |
| 9.0 | 52.7 | 14.5 | |
| 8.8 | 10 26.7 | 50.4 | K |
| 8.8 | 51.6 | 10.8 | S |
| 9.4 | 11 4.8 | 14.7 | B |
| 9.3 | 15.0 | 48.0 | K |
| 9.3 | 15.3 | 53.0 | Kb |
| 9.3 | 20.7 | 13.0 | |
| 7.3 | 12 6.4 | 8.0 | K |
| 8.8 | 46.2 | 35.5 | K |
| 9.5 | 14 33.2 | 14.9 | |
| 9.4 | 44.7 | 44.2 | |
| 9.5 | 15 4.7 | 15.0 | |
| 9.3 | 31.7 | 39.4 | |
| 9.5 | 45.3 | 58.0 | |
| 9.2 | 16 35.5 | 12.1 | |
| 9.3 | 35.9 | 18.1 | |
| 9.3 | 48.3 | 14.6 | αB |
| 8.9 | 49.2 | 4.6 | B |
| 7.3 | 50.2 | 44.4 | L |
| 9.4 | 17 1.1 | 8.6 | |
| 9.3 | 41.3 | 30.4 | |
| 9.5 | 18 42.7 | 51.1 | |
| 9.3 | 19 8.2 | 36.3 | B |
| 9.1 | 11.0 | 42.1 | K |
| 9.4 | 34.7 | 18.4 | B |
| 9.5 | 20 24.6 | 52.5 | B |
| 6.0 | 37.8 | 50.6 | Kb |
| 9.4 | 21 41.2 | 44.7 | |
| 9.5 | 55.2 | 31.1 | |
| 9.5 | 58.9 | 22.1 | |
| 9.5 | 23 39.2 | 41.1 | |
| 9.5 | 59.8 | 9.2 | αB |
| 8.4 | 24 23.9 | 15.9 | |
| 9.5 | 37.2 | 25.9 | B |
| 8.7 | 46.2 | 44.5 | K |
| 9.2 | 56.1 | 27.9 | B |
| 7.2 | 25 6.4 | 58.3 | K |
| 9.3 | 43.7 | 23.0 | |
| 9.3 | 58.0 | 5.2 | |
| 9.5 | 26 22.8 | 36.3 | |
| 9.4 | 41.4 | 31.8 | B |
| 9.5 | 28 20.7 | 38.3 | |
| 10 pr. | + 23.80 | — 2.20 | |

2661—2720

| | 15ᵃ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 28 47.2 | 34.5 | a |
| 9.2 | 58.2 | 35.6 | K |
| 9.4 | 29 24.5 | 7.3 | |
| 9.3 | 46.7 | 52.1 | K |
| 8.7 | 30 24.7 | 48.2 | K |
| 9.3 | 54.5 | 8.7 | |
| 9.4 | 31 24.0 | 28.7 | |
| 9.2 | 27.8 | 21.4 | Bb |
| 9.3 | 54.9 | 54.6 | K |
| 9.2 | 33 16.0 | 30.2 | |
| 9.3 | 44.1 | 56.6 | K |
| 9.5 | 34 21.5 | 9.0 | |
| 9.5 | 22.1 | 3.2 | |
| 8.1 | 39.6 | 44.0 | K |
| 9.5 | 40.6 | 52.0 | |
| 9.2 | 36 15.7 | 52.7 | |
| 9.3 | 37 9.3 | 26.9 | b |
| 9.5 | 25.4 | 49.1 | B |
| 9.5 | 38 17.5 | 1.5 | |
| 9.5 | 53.9 | 3.6 | |
| 9.5 | 39 12.6 | 50.3 | |
| 9.0 | 40 17.9 | 14.1 | K |
| 9.0 | 33.3 | 36.5 | Kb |
| 9.4 | 42.1 | 41.3 | B |
| 9.5 | 41 12.7 | 48.8 | |
| 9.0 | 33.9 | 24.7 | L |
| 9.3 | 52.0 | 2.1 | |
| 8.7 | 56.6 | 21.0 | L |
| 9.4 | 42 22.8 | 6.2 | |
| 9.5 | 48.7 | 46.2 | |
| 9.2 | 43 28.3 | 5.5 | K |
| 9.5 | 41.7 | 46.5 | |
| 9.4 | 45.6 | 13.5 | |
| 9.4 | 44 10.1 | 11.0 | |
| 9.2 | 18.3 | 14.7 | αBb |
| 9.5 | 53.9 | 26.5 | |
| 9.2 | 59.5 | 53.2 | |
| 9.4 | 45 37.4 | 57.7 | |
| 9.5 | 44.6 | 48.7 | |
| 9.4 | 46 45.8 | 3.3 | |
| 9.1 | 47 13.3 | 43.8 | b |
| 9.2 | 25.1 | 58.2 | |
| 9.3 | 38.4 | 1.4 | |
| 9.4 | 43.5 | 4.8 | |
| 9.4 | 54.6 | 1.4 | |
| 9.5 | 48 30.7 | 31.3 | |
| 9.5 | 49 0.8 | 13.3 | |
| 9.5 | 24.0 | 2.7 | |
| 7.3 | 25.3 | 48.1 | Kb |
| 8.2 | 59.9 | 20.6 | K |
| 9.5 | 50 24.7 | 46.0 | |
| 9.5 | 28.9 | 57.5 | |
| 9.4 | 41.3 | 24.4 | |
| 9.1 | 52 49.0 | 59.2 | |
| 9.1 | 54.0 | 1.5 | αBb |
| 8.5 | 53 5.9 | 36.8 | K |
| 9.5 | 8.7 | 32.6 | B |
| 9.5 | 24.4 | 1.0 | |
| 9.3 | 54 11.0 | 11.1 | b |
| 9.4 | 32.6 | 37.5 | |
| 10 pr. | + 23.12 | — 1.88 | |

2721—2780

| | 15ᵃ—16ᵃ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 54 47.6 | 4.1 | |
| 9.5 | 55 36.9 | 15.2 | |
| 9.5 | 46.6 | 27.6 | |
| 9.4 | 56 21.7 | 39.4 | B |
| 9.5 | 28.7 | 53.3 | |
| 8.5 | 40.9 | 51.6 | K |
| 9.5 | 56.8 | 2.8 | |
| 9.5 | 57.0 | 18.3 | |
| 9.3 | 57 18.9 | 32.4 | |
| 8.3 | 58 10.9 | 24.8 | K |
| 7.0 | 42.5 | 34.8 | Kb |
| 9.4 | 59 25.8 | 37.8 | B |
| 7.8 | 40.6 | 38.5 | K |
| 9.5 | 0 0.6 | 41.0 | |
| 9.4 | 9.3 | 13.5 | |
| 9.3 | 35.8 | 48.5 | |
| 8.4 | 1 13.0 | 29.3 | K |
| 9.2 | 43.8 | 30.4 | K |
| 9.2 | 2 13.9 | 58.0 | b |
| 9.5 | 37.9 | 23.2 | |
| 8.2 | 57.7 | 7.4 | K |
| 8.2 | 3 48.0 | 21.7 | K |
| 9.5 | 4 11.3 | 45.1 | |
| 8.9 | 38.0 | 27.1 | K |
| 8.1 | 6 23.7 | 47.1 | L |
| 9.4 | 8 5.3 | 35.1 | |
| 9.5 | 30.6 | 26.4 | |
| 9.5 | 47.9 | 30.3 | |
| 9.5 | 9 0.8 | 59.7 | |
| 5.7 | 15.1 | 14.1 | Kb |
| 8.5 | 19.3 | 53.1 | K |
| 9.2 | 10 2.1 | 50.1 | K |
| 8.9 | 14.7 | 35.8 | K |
| 9.4 | 21.2 | 43.2 | B |
| 9.1 | 29.3 | 5.7 | b |
| 9.3 | 58.6 | 25.1 | |
| 9.5 | 11 40.0 | 3.5 | |
| 8.2 | 12 0.6 | 38.1 | K |
| 7.8 | 41.5 | 50.5 | K |
| 9.4 | 58.1 | 53.0 | B |
| 9.5 | 13 5.6 | 16.1 | |
| 9.5 | 6.4 | 58.4 | |
| 9.5 | 33.1 | 44.0 | |
| 8.5 | 14 2.6 | 36.9 | K |
| 9.4 | 23.1 | 19.3 | |
| 9.3 | 37.1 | 15.1 | |
| 9.5 | 41.5 | 6.1 | |
| 9.1 | 15 11.1 | 58.7 | K |
| 9.4 | 34.4 | 52.9 | Kb |
| 9.5 | 34.6 | 42.2 | |
| 9.3 | 51.1 | 58.9 | K |
| 9.4 | 59.7 | 36.7 | |
| 5.2 | 16 54.0 | 9.6 | K |
| 5.3 | 17 1.8 | 2.5 | K |
| 9.2 | 2.7 | 26.9 | Bb |
| 8.2 | 47.5 | 2.3 | K |
| 9.5 | 58.0 | 19.9 | |
| 9.5 | 18 23.5 | 4.7 | |
| 9.5 | 19 57.6 | 34.7 | |
| 9.5 | 20 20.6 | 47.4 | |
| 10 pr. | + 22.58 | — 1.55 | |

2781—2840

| | 16ᵃ | +34° | | |
|---|---|---|---|---|
| m | ′ ″ | ′ | | |
| 9.4 | 20 27.6 | 35.6 | | |
| 9.5 | 49.6 | 59.1 | | |
| 9.3 | 50.3 | 36.4 | B | |
| 9.0 | 21 15.1 | 10.4 | Kb | |
| 9.4 | 17.1 | 30.7 | | |
| 8.9 | 37.2 | 20.2 | K | |
| 8.9 | 38.1 | 29.1 | K | |
| 9.5 | 52.2 | 37.3 | | |
| 9.5 | 22 11.0 | 38.4 | | |
| 9.4 | 20.1 | 46.7 | | |
| 9.5 | 31.6 | 14.1 | | |
| 9.5 | 23 36.4 | 55.5 | | |
| 9.5 | 54.9 | 32.5 | B | |
| 9.5 | 59.7 | 40.5 | B | |
| 9.4 | 24 3.5 | 42.5 | B | |
| 9.5 | 6.0 | 17.5 | | |
| 9.5 | 29.4 | 22.0 | | |
| 9.5 | 36.8 | 2.0 | | |
| 8.1 | 38.1 | 13.3 | L | |
| 7.0 | 25 3.8 | 4.6 | K | |
| 8.5 | 43.6 | 38.5 | K | |
| 9.3 | 26 42.6 | 44.6 | K | |
| 9.0 | 46.4 | 36.6 | K | |
| 9.1 | 52.5 | 8.5 | b | |
| 9.4 | 28 10.7 | 52.5 | | |
| 9.3 | 14.7 | 17.3 | a | |
| 9.5 | 33.1 | 9.4 | B | |
| 9.5 | 33.1 | 57.9 | | |
| 9.5 | 35.1 | 1.8 | B | |
| 8.5 | 37.9 | 24.6 | K | |
| 9.4 | 49.1 | 58.2 | Bb | |
| 9.5 | 53.7 | 49.7 | | |
| 9.2 | 29 3.7 | 20.4 | K | |
| *9.2 | 27.0 | 17.4 | K | |
| *8.7 | 30 8.4 | 22.8 | Kb | |
| 6.7 | 58.7 | 6.6 | K | |
| 9.5 | 32 2.5 | 8.9 | | |
| 9.4 | 36.1 | 31.5 | | |
| 9.0 | 52.4 | 5.9 | | |
| 8.7 | 33 1.8 | 8.9 | K | |
| 9.3 | 8.1 | 13.3 | B | |
| 9.5 | 45.1 | 27.7 | | |
| 9.4 | 52.6 | 11.5 | | |
| 7.7 | 34 27.6 | 54.3 | K | |
| 9.5 | 35 34.6 | 32.3 | | |
| 7.5 | 36 20.5 | 52.6 | K | |
| 9.5 | 55.1 | 43.2 | | |
| 9.0 | 37 44.2 | 34.6 | | |
| 9.4 | 49.1 | 33.6 | | |
| 6.0 | 38 29.6 | 18.4 | K | |
| 9.5 | 46.1 | 28.1 | | |
| 9.4 | 39 23.0 | 40.8 | | |
| 9.5 | 25.1 | 46.6 | | |
| 9.3 | 37.2 | 11.9 | | |
| 9.2 | 40 7.2 | 5.0 | K | |
| 9.4 | 41.3 | 32.6 | B | |
| 9.4 | 45.8 | 9.2 | | |
| 8.2 | 47.3 | 37.5 | B | |
| 8.0 | 48.5 | 3.7 | K | |
| 9.0 | 49.8 | 4.7 | K | |
| 10 pr. | + 22.25 | — 1.30 | | |

2841—2900

| | 16ᵃ—17ᵃ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 41 0.8 | 57.9 | b |
| 9.4 | 3.3 | 20.1 | |
| 9.4 | 3.4 | 0.2 | B |
| 8.5 | 42 20.1 | 28.8 | K |
| 9.3 | 25.5 | 21.5 | B |
| 9.5 | 53.6 | 23.9 | |
| 9.5 | 43 12.6 | 27.1 | |
| 9.4 | 37.2 | 48.3 | |
| 7.5 | 40.1 | 18.8 | K |
| 9.4 | 46.8 | 54.9 | |
| 9.5 | 44 6.5 | 18.0 | |
| 9.1 | 13.6 | 1.3 | |
| 8.6 | 24.7 | 12.3 | L |
| 9.4 | 25.5 | 0.2 | |
| 9.4 | 45 10.7 | 6.6 | |
| 7.5 | 11.0 | 2.6 | L |
| 9.4 | 20.0 | 8.6 | B |
| 8.3 | 33.1 | 29.1 | B |
| 9.2 | 52.5 | 35.0 | B |
| 8.0 | 56.6 | 32.0 | B |
| 9.5 | 46 45.5 | 46.9 | |
| 8.6 | 47 51.3 | 55.8 | Kb |
| 9.5 | 56.7 | 30.0 | |
| 9.2 | 59.0 | 52.7 | |
| 8.8 | 48 5.5 | 22.1 | K |
| 9.5 | 33.0 | 50.3 | |
| 8.8 | 41.0 | 12.5 | |
| 8.0 | 49 43.5 | 19.7 | K |
| 8.5 | 50 54.5 | 37.9 | Kb |
| 9.4 | 51 16.0 | 47.5 | |
| 9.3 | 32.9 | 10.9 | |
| 9.5 | 52 2.1 | 0.4 | |
| 9.3 | 32.0 | 32.4 | |
| 8.1 | 58.8 | 56.2 | L |
| 9.5 | 53 35.0 | 22.8 | |
| 8.4 | 54 6.5 | 44.1 | K |
| 9.0 | 15.9 | 16.9 | |
| 9.4 | 17.3 | 14.9 | |
| 9.5 | 35.7 | 14.8 | |
| 8.5 | 50.1 | 35.2 | L |
| 7.5 | 51.5 | 33.2 | L |
| 9.5 | 59.5 | 25.6 | |
| 9.0 | 55 6.8 | 48.6 | |
| 8.9 | 56 8.5 | 14.6 | |
| 9.5 | 50.5 | 44.1 | |
| 9.5 | 57 15.5 | 33.1 | |
| 9.5 | 32.3 | 32.4 | |
| 7.5 | 48.5 | 44.5 | K |
| 7.0 | 58 9.2 | 35.2 | K |
| 6.2 | 39.7 | 59.6 | K |
| 9.5 | 59 17.6 | 26.4 | |
| 9.3 | 20.0 | 58.2 | |
| 9.4 | 22.1 | 30.3 | B |
| 9.5 | 32.6 | 22.6 | B |
| 9.5 | 0 0.0 | 59.2 | |
| 9.1 | 22.5 | 4.3 | |
| 8.5 | 37.5 | 17.0 | K |
| 9.2 | 1 18.9 | 11.2 | B |
| 8.3 | 26.4 | 7.4 | K |
| 9.0 | 44.6 | 6.1 | K |
| 10 pr. | + 21.93 | — 0.99 | |

2814ᵃ

| | | | | |
|---|---|---|---|---|
| 9.5 | 29 | 45.3 | 20.3 | a |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ | | +34° | | | 17ᵘ | | +34° | | | 17ᵘ | | +34° | | | 17ᵘ—18ᵘ | | +34° | | | 18ᵘ | | +34° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 1 | 48.5 | 18.1 | | 8.9 | 19 | 30.0 | 55.9 | B | 9.5 | 35 | 29.2 | 53.4 | B | 9.1 | 50 | 40.5 | 53.1 | K | 9.1 | 4 | 58.6 | 0.3 | S |
| 9.4 | | 49.2 | 51.0 | a | 9.0 | | 50.7 | 51.6 | Kb | 9.5 | | 50.1 | 17.7 | | 9.5 | | 54.8 | 15.7 | | 9.5 | 5 | 2.3 | 34.5 | |
| 9.2 | | 54.5 | 30.6 | | 9.5 | | 52.2 | 54.1 | | 9.0 | | 51.0 | 2.2 | K | 9.1 | 51 | 8.9 | 12.9 | K | 9.4 | | 6.5 | 44.7 | B |
| 9.0 | 2 | 17.9 | 1.2 | K | 9.3 | 20 | 3.2 | 43.6 | | 7.8 | 36 | 15.1 | 21.5 | K | 9.0 | | 36.6 | 17.8 | K | 8.0 | | 11.1 | 30.6 | K |
| 9.1 | | 25.4 | 52.3 | K | 8.4 | | 8.7 | 19.0 | | 9.4 | | 18.2 | 46.5 | | 8.5 | | 38.3 | 59.0 | K | 8.8 | | 36.1 | 39.8 | B |
| 9.2 | | 48.5 | 53.4 | K | 9.0 | | 29.7 | 12.4 | | 9.1 | | 49.2 | 42.5 | K | 8.8 | | 42.4 | 49.7 | B | 9.4 | | 40.4 | 46.6 | B |
| 9.4 | 3 | 17.0 | 41.0 | | 7.8 | | 37.4 | 7.8 | R | 9.3 | | 56.9 | 37.4 | | 9.5 | | 44.6 | 5.7 | | 9.5 | | 42.6 | 26.0 | |
| 9.1 | | 25.0 | 19.4 | b | 8.8 | 21 | 5.7 | 48.5 | K | 9.0 | 37 | 3.2 | 48.0 | K | 9.0 | | 55.2 | 50.7 | B | 8.8 | 6 | 3.9 | 50.1 | K |
| 9.5 | | 48.3 | 57.3 | | 9.0 | | 22.0 | 44.5 | B | 8.7 | | 3.5 | 1.4 | B | 9.6 | 52 | 12.9 | 26.4 | | 9.0 | | 6.5 | 43.2 | |
| 9.0 | 4 | 1.0 | 37.6 | | 9.5 | | 31.7 | 41.2 | | 9.2 | | 49.1 | 7.2 | | 9.5 | | 22.2 | 11.9 | | 9.0 | | 19.0 | 55.3 | K |
| 9.4 | | 27.0 | 47.9 | | 6.1 | | 33.5 | 49.7 | K | 7.8 | 38 | 7.4 | 0.8 | B | 9.5 | | 36.9 | 52.8 | | 9.4 | 7 | 3.2 | 50.1 | |
| 9.5 | | 41.5 | 6.7 | | 9.3 | | 43.6 | 27.0 | B | 8.9 | | 7.9 | 28.1 | | 8.2 | 53 | 46.3 | 57.9 | B | 9.2 | | 28.3 | 27.8 | b |
| 9.5 | | 59.9 | 9.0 | | 9.0 | | 51.9 | 28.6 | K | 9.4 | | 18.1 | 57.3 | | 8.5 | | 49.6 | 6.0 | K | 9.3 | | 42.9 | 3.2 | |
| 9.5 | 5 | 37.5 | 36.9 | | 8.3 | 22 | 3.4 | 45.7 | K | 9.4 | | 24.0 | 34.3 | B | 9.2 | | 56.8 | 10.4 | | 9.5 | 8 | 31.2 | 21.9 | |
| 9.5 | | 47.7 | 7.2 | | 9.0 | | 43.9 | 35.3 | K | 7.7 | | 24.5 | 50.4 | Kb | 9.5 | 54 | 18.4 | 39.4 | | 9.4 | 9 | 24.4 | 25.0 | aB |
| 9.5 | 6 | 35.7 | 38.9 | | 9.5 | | 51.6 | 6.7 | | 8.4 | | 54.9 | 43.6 | | 9.0 | | 29.9 | 15.7 | K | *9.5 | | 37.3 | 3.2 | |
| 9.4 | | 51.7 | 55.9 | | 9.4 | 23 | 27.6 | 2.0 | | 9.2 | 39 | 1.4 | 8.0 | | 8.7 | | 45.7 | 14.1 | K | *9.5 | | 57.2 | 33.6 | |
| 9.5 | | 54.0 | 5.0 | | 9.5 | 24 | 12.0 | 48.3 | | 9.3 | | 18.4 | 5.5 | | 9.5 | | 59.9 | 37.8 | | 9.5 | 10 | 8.9 | 29.7 | |
| 9.4 | 7 | 21.3 | 33.7 | | 9.2 | | 26.2 | 56.6 | Kb | 9.5 | | 26.5 | 5.2 | | 9.5 | 55 | 12.3 | 8.2 | | 9.5 | | 13.5 | 15.3 | |
| 9.0 | | 56.2 | 40.9 | | 9.2 | | 27.1 | 3.1 | K | 9.5 | 40 | 14.0 | 7.3 | | 9.5 | | 36.9 | 31.6 | | 9.4 | | 18.2 | 6.1 | |
| 9.5 | 8 | 4.0 | 1.5 | | 9.5 | 25 | 2.3 | 33.2 | | 9.5 | | 20.2 | 12.6 | | 9.5 | 56 | 17.2 | 44.6 | | 8.5 | | 38.2 | 33.2 | K |
| 9.5 | | 47.2 | 47.1 | | 8.5 | | 5.5 | 41.7 | K | 9.2 | | 26.1 | 39.6 | K | 8.0 | | 29.7 | 11.0 | B | 8.2 | | 45.0 | 55.6 | K |
| 9.5 | 9 | 27.5 | 22.5 | | 9.5 | | 28.8 | 33.0 | | 8.8 | | 31.7 | 55.3 | K | 9.5 | 57 | 20.2 | 45.3 | | 8.4 | 11 | 15.5 | 45.0 | K |
| 9.5 | | 48.4 | 5.3 | | 8.0 | | 36.2 | 23.3 | L | 9.4 | 41 | 13.4 | 57.6 | | 9.3 | | 23.7 | 15.0 | | 9.5 | | 16.4 | 58.6 | |
| 9.0 | | 54.6 | 22.4 | | 9.5 | | 44.0 | 31.7 | | 9.3 | | 33.6 | 48.1 | | 9.1 | | 25.0 | 7.7 | | 9.5 | | 19.8 | 52.5 | |
| 9.0 | 10 | 0.2 | 8.0 | K | 9.5 | 26 | 24.6 | 7.0 | | 9.5 | 42 | 2.6 | 30.6 | | 8.4 | | 29.9 | 57.8 | B | 9.5 | | 33.6 | 19.1 | |
| 9.2 | | 6.1 | 27.7 | | 9.3 | | 29.5 | 31.1 | | 9.5 | | 17.4 | 40.7 | B | 9.5 | | 56.3 | 51.1 | | 9.0 | | 45.4 | 47.7 | |
| 7.0 | | 23.8 | 52.3 | K | 9.2 | | 41.1 | 55.9 | | 9.2 | | 17.9 | 33.2 | K | 9.3 | 58 | 47.6 | 31.9 | | 9.0 | | 45.9 | 35.4 | |
| 9.5 | | 46.2 | 23.5 | | 6.5 | | 49.6 | 23.2 | K | 8.0 | | 35.6 | 57.0 | Kb | 9.5 | 59 | 8.9 | 39.1 | | 9.4 | | 52.5 | 0.4 | |
| 9.2 | 11 | 7.9 | 56.9 | B | 8.0 | 27 | 20.1 | 51.2 | K | 6.5 | | 38.3 | 19.9 | B | 9.3 | | 23.6 | 37.3 | | 9.5 | 12 | 1.0 | 20.6 | |
| 9.5 | | 9.0 | 26.4 | | 7.7 | 28 | 36.2 | 39.4 | K | 9.5 | 43 | 21.3 | 30.5 | | 9.1 | | 25.9 | 33.3 | b | 9.5 | | 4.8 | 6.2 | |
| 9.0 | | 10.1 | 40.2 | K | 9.5 | | 49.8 | 45.3 | | 9.4 | | 41.0 | 26.5 | | 9.4 | | 31.5 | 13.4 | | 9.1 | | 28.4 | 9.6 | b |
| 9.3 | | 11.0 | 4.8 | | 9.2 | 29 | 11.2 | 35.0 | K | 9.4 | | 48.8 | 32.2 | | 9.4 | | 42.4 | 0.8 | | 9.2 | | 28.4 | 51.9 | aB |
| 8.7 | | 13.6 | 21.5 | | 9.3 | | 25.9 | 27.4 | | 9.5 | | 57.9 | 22.2 | | 9.4 | | 51.2 | 47.5 | | 9.2 | | 47.9 | 42.9 | |
| 9.0 | | 49.5 | 16.5 | | 9.3 | | 30.8 | 11.1 | | 8.4 | 44 | 15.2 | 39.7 | | 8.5 | | 53.4 | 28.1 | | 9.5 | | 50.7 | 3.7 | |
| 9.3 | | 50.8 | 36.7 | B | 7.0 | | 34.1 | 50.5 | K | 8.8 | | 36.9 | 2.5 | K | 9.5 | 0 | 11.8 | 53.0 | | 9.3 | | 59.9 | 54.3 | |
| 9.4 | | 51.2 | 1.0 | | 8.8 | | 38.8 | 2.0 | | 8.9 | | 40.3 | 22.3 | | 9.1 | | 19.5 | 56.9 | | 9.3 | 13 | 0.1 | 19.2 | |
| 9.2 | 12 | 49.7 | 0.5 | | 8.5 | 30 | 8.1 | 13.7 | L | 9.2 | | 54.6 | 11.6 | K | 9.3 | | 34.3 | 4.5 | | 8.1 | | 57.6 | 4.1 | B |
| 9.5 | | 56.7 | 48.5 | | 9.2 | | 11.2 | 28.0 | B | 9.3 | 45 | 9.1 | 35.4 | | 9.5 | | 35.4 | 58.7 | | 8.8 | 14 | 46.2 | 33.4 | |
| 8.8 | 14 | 2.2 | 18.6 | | 9.1 | | 12.1 | 52.2 | Kb | 9.4 | | 18.2 | 58.2 | | 9.5 | 1 | 14.2 | 21.2 | | 9.5 | | 52.3 | 2.9 | B |
| 9.5 | | 11.9 | 53.2 | B | 8.6 | | 12.6 | 49.4 | K | 8.7 | | 32.2 | 50.2 | K | 9.0 | | 18.9 | 28.1 | K | 9.1 | 15 | 17.8 | 51.4 | |
| 9.4 | | 12.3 | 12.3 | | 8.0 | | 22.8 | 18.8 | L | 9.5 | 46 | 3.2 | 58.7 | | 9.2 | | 33.4 | 38.3 | aB | 9.5 | | 26.6 | 35.7 | |
| 9.1 | | 12.3 | 8.8 | aB | 9.5 | | 42.3 | 32.9 | B | 9.5 | | 33.9 | 55.9 | | 9.3 | | 43.3 | 39.3 | | 9.1 | | 44.5 | 29.0 | K |
| 9.4 | | 20.0 | 20.8 | | 9.4 | 31 | 21.6 | 8.8 | | 9.5 | | 37.0 | 4.5 | | 9.2 | | 45.1 | 25.7 | | 9.4 | | 59.3 | 55.3 | B |
| 8.0 | | 26.1 | 4.4 | B | 9.5 | | 45.3 | 10.0 | | 9.5 | | 43.5 | 8.5 | | 9.5 | | 48.7 | 49.4 | | 9.5 | 16 | 1.8 | 59.9 | |
| 9.5 | | 36.9 | 40.9 | | 8.3 | 32 | 5.2 | 17.5 | K | 8.2 | | 49.1 | 53.2 | K | 7.5 | 2 | 1.2 | 49.7 | K | 8.3 | | 8.6 | 49.2 | K |
| 9.0 | 15 | 17.7 | 48.8 | | 9.5 | | 11.5 | 48.5 | | 7.8 | 47 | 2.2 | 14.3 | L | 9.3 | | 17.6 | 32.6 | | 9.5 | | 18.9 | 1.9 | |
| 9.5 | | 32.4 | 1.7 | | 8.8 | | 11.8 | 46.0 | | 9.4 | | 33.1 | 30.3 | | 9.0 | | 17.9 | 12.5 | | 9.5 | | 27.0 | 22.1 | |
| 9.5 | | 41.4 | 8.6 | | 9.5 | | 14.5 | 59.4 | | 9.5 | | 35.6 | 30.3 | | 9.5 | 3 | 4.2 | 49.1 | | 8.2 | 18 | 9.2 | 56.6 | Kb |
| 9.1 | 16 | 3.8 | 26.2 | aBb | 9.4 | | 39.2 | 39.8 | | 9.5 | | 54.5 | 35.5 | | 9.1 | | 42.9 | 59.5 | | 8.0 | | 9.6 | 46.8 | B |
| 9.4 | | 32.7 | 19.4 | aB | 9.5 | 33 | 14.7 | 47.0 | | 9.3 | 48 | 5.4 | 15.0 | | 9.5 | | 55.7 | 53.5 | | 7.7 | | 58.5 | 26.0 | K |
| 9.5 | | 48.9 | 54.2 | | 9.2 | | 19.5 | 34.6 | K | 9.4 | | 23.6 | 25.0 | | 9.3 | 4 | 1.0 | 21.3 | aB | 9.3 | | 59.2 | 47.8 | |
| 9.1 | 17 | 1.7 | 10.7 | | 9.5 | | 26.9 | 42.5 | | 9.5 | | 34.6 | 5.5 | | 9.4 | | 4.9 | 35.6 | | 9.2 | 19 | 1.3 | 56.2 | |
| 8.9 | | 16.7 | 46.0 | | 9.2 | | 31.4 | 36.6 | | 9.5 | | 38.7 | 27.9 | | 9.0 | | 8.1 | 29.1 | | 9.5 | | 4.6 | 35.1 | B |
| 9.5 | | 26.2 | 49.8 | | 9.0 | | 39.6 | 53.2 | K | 7.8 | | 47.9 | 42.5 | K | 9.3 | | 9.7 | 58.5 | B | 8.2 | | 11.7 | 11.5 | K |
| 7.9 | | 27.5 | 18.9 | B | 8.7 | | 57.6 | 2.4 | | 8.5 | | 53.6 | 12.5 | K | 9.3 | | 32.6 | 41.5 | | 9.5 | | 25.1 | 55.4 | |
| 9.5 | | 42.7 | 53.0 | | 9.0 | 34 | 0.5 | 49.1 | | 8.5 | | 57.6 | 45.6 | K | 9.2 | | 33.2 | 53.9 | | 8.5 | | 32.5 | 52.1 | |
| 9.5 | | 89.5 | 34.8 | | 9.4 | | 31.9 | 42.3 | B | 9.0 | 49 | 11.9 | 41.5 | K | 8.2 | | 39.9 | 13.4 | K | 9.5 | | 37.0 | 57.1 | |
| 9.5 | 18 | 16.3 | 59.9 | | 8.0 | 35 | 10.6 | 17.6 | Bb | 9.5 | | 51.7 | 41.9 | | 9.5 | | 47.1 | 36.3 | | 9.4 | | 47.2 | 38.3 | |
| 9.3 | | 59.2 | 42.3 | | *9.5 | | 21.6 | 2.7 | | 9.5 | 50 | 25.5 | 29.1 | | 9.4 | | 55.2 | 37.3 | B | 8.2 | | 50.5 | 57.3 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | + | |
| 10pr. | | 21.74 | 0.70 | | 10pr. | | 21.62 | 0.47 | | 10pr. | | 21.55 | 0.25 | | 10pr. | | 21.53 | 0.01 | | 10pr. | | 21.54 | 0.18 | |

| 3020ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 35 | 23.1 | 47.2 | a |

| 3156ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 9 | 44.0 | 0.0 | |

| m | 18ʰ | +34° | |
|---|---|---|---|
| | 3201—3260 | | |
| 9.5 | 19′ 52.6 | 14.0 | |
| 8.4 | 20 9.5 | 9.1 | L |
| 9.4 | 53.7 | 50.0 | B |
| 9.5 | 21 15.6 | 30.9 | |
| 9.5 | 37.7 | 49.0 | |
| 9.1 | 43.3 | 43.5 | |
| 8.3 | 45.8 | 35.8 | Lb |
| 9.5 | 48.4 | 3.2 | |
| 9.2 | 51.1 | 54.9 | B |
| 8.8 | 22 18.5 | 37.3 | |
| 8.4 | 25.7 | 57.6 | |
| 9.5 | 55.0 | 50.4 | |
| 9.5 | 23 1.5 | 49.4 | |
| 9.4 | 45.3 | 6.8 | B |
| 9.5 | 24 25.1 | 12.4 | |
| 9.5 | 44.2 | 29.9 | |
| 9.0 | 46.9 | 42.2 | |
| 9.2 | 53.3 | 3.8 | |
| 9.1 | 25 1.4 | 20.1 | |
| 9.5 | 5.8 | 40.8 | |
| 9.4 | 11.2 | 7.7 | |
| 8.7 | 39.1 | 10.4 | B |
| 8.5 | 44.5 | 32.8 | |
| 9.5 | 51.3 | 21.5 | |
| 8.7 | 26 0.2 | 43.4 | |
| 8.1 | 1.3 | 56.5 | L |
| 9.3 | 25.7 | 31.8 | |
| 9.5 | 29.6 | 22.9 | |
| 9.5 | 42.8 | 56.7 | |
| 9.5 | 27 2.6 | 32.3 | |
| 9.5 | 7.7 | 5.4 | |
| 9.5 | 23.5 | 40.0 | |
| 9.3 | 26.5 | 25.9 | |
| 9.5 | 45.3 | 23.3 | |
| 9.4 | 58.1 | 0.1 | B |
| 8.3 | 28 14.9 | 27.1 | K |
| 9.5 | 18.8 | 49.3 | |
| 7.5 | 55.5 | 20.2 | K |
| 7.8 | 29 14.5 | 17.7 | K |
| 9.5 | 28.9 | 58.3 | B |
| 9.1 | 31.4 | 47.4 | |
| 9.1 | 32.1 | 33.6 | |
| 9.5 | 45.6 | 1.0 | |
| 9.3 | 48.2 | 36.2 | |
| 6.4 | 59.5 | 20.4 | Kb |
| 9.4 | 30 3.8 | 58.4 | |
| 8.7 | 4.0 | 47.9 | |
| 9.3 | 8.5 | 55.6 | |
| 9.3 | 35.3 | 56.8 | |
| 9.5 | 39.1 | 27.7 | |
| 9.4 | 48.7 | 45.5 | |
| 9.5 | 31 0.0 | 19.8 | |
| 9.4 | 21.0 | 56.3 | |
| 9.3 | 23.6 | 57.3 | |
| 9.4 | 30.4 | 32.6 | |
| 9.5 | 42.9 | 53.0 | B |
| 8.0 | 45.3 | 44.9 | B |
| 9.1 | 47.5 | 31.3 | |
| 9.5 | 49.8 | 41.4 | |
| 9.5 | 52.4 | 8.2 | |
| 10pr. | 21.59 | 0.40 | |

| m | 18ʰ | +34° | |
|---|---|---|---|
| | 3261—3320 | | |
| 9.5 | 31′ 56.3 | 35.2 | |
| 8.2 | 59.9 | 0.5 | K |
| 9.2 | 32 1.7 | 54.6 | |
| 9.1 | 14.1 | 47.2 | |
| 9.4 | 23.6 | 52.2 | |
| 9.4 | 28.2 | 34.5 | |
| 8.5 | 41.7 | 58.3 | K |
| 9.5 | 33 12.4 | 52.9 | |
| 9.4 | 14.5 | 55.6 | |
| 9.5 | 25.1 | 34.8 | |
| 9.0 | 53.1 | 22.9 | |
| 9.5 | 34 14.2 | 22.4 | |
| 9.5 | 23.9 | 37.5 | |
| 7.7 | 35 2.5 | 17.3 | K |
| 9.5 | 24.3 | 55.3 | |
| 9.4 | 34.7 | 25.4 | |
| 9.5 | 48.0 | 53.3 | |
| 9.4 | 50.8 | 57.6 | |
| 9.4 | 58.5 | 50.6 | |
| 9.5 | 36 7.7 | 36.7 | |
| 9.0 | 38.3 | 54.0 | K |
| 9.2 | 38.4 | 44.6 | |
| 9.5 | 49.0 | 3.4 | |
| 9.1 | 52.5 | 55.8 | K |
| 7.0 | 54.5 | 36.0 | K |
| 8.5 | 56.5 | 36.0 | K |
| 8.9 | 37 2.5 | 0.1 | K |
| 8.3 | 5.9 | 25.2 | K |
| 9.0 | 6.5 | 10.9 | |
| 9.0 | 8.2 | 31.5 | |
| 9.5 | 17.8 | 34.0 | |
| 9.5 | 28.4 | 33.3 | B |
| 9.4 | 45.6 | 55.3 | |
| 9.4 | 55.9 | 39.4 | B |
| 9.2 | 38 10.3 | 58.9 | |
| 8.5 | 19.5 | 51.3 | K |
| 8.2 | 41.5 | 22.7 | L |
| 9.0 | 39 8.9 | 40.5 | K |
| 9.0 | 19.8 | 17.5 | B |
| 9.5 | 22.7 | 32.7 | |
| 8.7 | 30.2 | 36.0 | B |
| 7.0 | 51.5 | 52.2 | Kb |
| 9.2 | 53.0 | 27.7 | |
| 8.8 | 40 0.5 | 25.2 | |
| 9.4 | 1.9 | 50.1 | |
| 9.4 | 6.6 | 12.6 | |
| 7.9 | 12.4 | 3.5 | K |
| 9.0 | 14.4 | 21.8 | |
| 9.5 | 25.6 | 30.8 | |
| 7.3 | 34.7 | 21.9 | S |
| 9.4 | 41 4.6 | 6.4 | |
| 9.0 | 12.5 | 50.2 | Kb |
| 9.3 | 13.1 | 12.6 | |
| 9.4 | 18.3 | 5.7 | |
| 9.5 | 36.8 | 5.1 | |
| 9.4 | 45.4 | 54.3 | |
| 8.6 | 42 16.0 | 5.7 | K |
| 9.5 | 30.5 | 52.9 | |
| 8.5 | 47.6 | 29.1 | |
| 9.5 | 56.4 | 30.8 | |
| 10pr. | 21.65 | 0.54 | |

| m | 18ʰ | +34° | |
|---|---|---|---|
| | 3321—3380 | | |
| 9.4 | 43′ 12.1 | 57.2 | |
| 9.5 | 18.0 | 5.8 | |
| 8.0 | 23.2 | 16.8 | K |
| 9.5 | 28.3 | 54.2 | |
| 8.7 | 32.5 | 17.5 | K |
| 8.3 | 46.0 | 22.2 | K |
| 9.5 | 44 2.1 | 56.7 | |
| 8.8 | 9.3 | 28.1 | K |
| 8.3 | 17.0 | 5.4 | L |
| 9.4 | 24.8 | 12.8 | |
| 9.5 | 37.2 | 58.0 | |
| 9.5 | 45 25.1 | 52.1 | |
| 9.3 | 35.7 | 3.2 | |
| 7.3 | 45.0 | 13.4 | K |
| 9.5 | 55.3 | 10.8 | |
| 9.1 | 46 8.5 | 14.3 | K |
| 8.7 | 17.9 | 22.5 | |
| 9.5 | 26.4 | 0.1 | |
| 9.3 | 55.3 | 29.1 | |
| 9.5 | 47 3.5 | 5.1 | |
| 9.4 | 3.5 | 38.2 | a |
| 9.5 | 21.6 | 7.3 | |
| 9.0 | 31.3 | 37.8 | K |
| 9.4 | 43.2 | 39.0 | |
| 9.4 | 51.1 | 52.8 | |
| 7.9 | 48 13.3 | 26.6 | L |
| 9.5 | 31.8 | 56.2 | |
| 9.4 | 41.7 | 40.0 | aB |
| 9.4 | 41.7 | 19.7 | |
| 9.2 | 49 30.3 | 25.4 | |
| 9.0 | 50.1 | 55.0 | |
| 9.1 | 59.5 | 5.8 | |
| 9.5 | 50 1.4 | 18.1 | |
| 9.5 | 13.1 | 1.5 | |
| 9.5 | 20.4 | 40.8 | |
| 9.5 | 29.7 | 47.1 | |
| 9.5 | 31.6 | 12.3 | |
| 9.4 | 51 0.4 | 38.3 | |
| 9.5 | 6.2 | 1.9 | |
| 9.3 | 25.8 | 9.9 | |
| 9.2 | 29.5 | 29.9 | |
| 9.2 | 30.6 | 40.5 | |
| 9.5 | 33.3 | 38.0 | |
| 9.3 | 33.6 | 41.9 | |
| 9.3 | 37.7 | 3.0 | |
| 9.0 | 41.2 | 35.6 | |
| 8.7 | 48.3 | 44.7 | R |
| 7.6 | 52.8 | 40.2 | B |
| 9.5 | 52 9.9 | 55.6 | |
| 9.2 | 33.1 | 43.2 | |
| 9.5 | 36.3 | 6.7 | |
| 8.8 | 44.4 | 16.3 | K |
| 9.3 | 46.5 | 18.4 | |
| 9.1 | 53 0.9 | 13.2 | aB |
| 8.6 | 15.7 | 55.5 | K |
| 9.4 | 22.3 | 39.9 | |
| 9.5 | 27.4 | 49.3 | |
| 9.5 | 31.2 | 34.6 | |
| 9.4 | 42.0 | 35.9 | |
| 9.5 | 42.8 | 40.0 | |
| 10pr. | 21.75 | 0.72 | |

| m | 18ʰ—19ʰ | +34° | |
|---|---|---|---|
| | 3381—3440 | | |
| 9.5 | 53′ 47.0 | 57.9 | |
| 9.5 | 57.2 | 36.5 | |
| *9.5 | 54 23.7 | 3.9 | |
| 9.5 | 27.6 | 27.3 | B |
| 9.4 | 38.1 | 44.8 | |
| 9.5 | 49.9 | 14.5 | |
| 8.9 | 56.5 | 35.8 | |
| 9.1 | 55 0.2 | 49.5 | aB |
| 9.1 | 3.2 | 40.4 | |
| 8.9 | 35.1 | 11.9 | |
| 9.5 | 35.2 | 14.6 | |
| 8.5 | 51.0 | 27.2 | |
| 8.7 | 56 0.5 | 17.8 | |
| 9.3 | 15.6 | 56.3 | B |
| 9.4 | 32.9 | 7.4 | |
| 8.5 | 33.4 | 35.6 | |
| 9.4 | 36.7 | 50.5 | |
| 9.3 | 42.3 | 22.2 | |
| 7.7 | 57 22.1 | 22.3 | K |
| 9.5 | 23.9 | 30.6 | |
| 9.1 | 35.3 | 46.7 | R |
| 9.5 | 41.8 | 48.7 | |
| 9.0 | 42.2 | 23.5 | K |
| 9.2 | 58 0.1 | 12.4 | |
| 9.1 | 15.9 | 12.4 | |
| 9.2 | 23.6 | 59.8 | Kb |
| 9.3 | 39.3 | 28.7 | |
| 9.1 | 59 1.1 | 3.6 | a |
| 8.8 | 17.3 | 33.0 | B |
| 8.4 | 22.4 | 59.1 | K |
| 9.5 | 32.9 | 25.9 | |
| 8.6 | 36.7 | 42.6 | |
| 8.6 | 46.3 | 46.6 | |
| 8.4 | 49.0 | 48.1 | B |
| 8.9 | 59.1 | 6.0 | |
| 8.9 | 0 1.2 | 46.5 | |
| 9.5 | 8.3 | 14.3 | |
| 9.5 | 11.5 | 17.1 | |
| 9.3 | 12.5 | 47.6 | |
| 9.4 | 28.5 | 23.7 | B |
| 9.5 | 37.6 | 4.7 | |
| 9.2 | 43.3 | 48.8 | |
| 8.3 | 57.3 | 11.5 | K |
| 9.5 | 1 6.7 | 19.4 | |
| 8.6 | 17.3 | 9.3 | K |
| 8.8 | 20.3 | 58.1 | B |
| 9.5 | 37.2 | 42.9 | |
| 9.0 | 47.4 | 47.3 | B |
| 9.5 | 2 3.0 | 2.1 | |
| 9.5 | 15.5 | 17.4 | |
| 7.5 | 16.4 | 9.7 | K |
| 9.3 | 50.0 | 51.5 | |
| 9.0 | 3 2.1 | 26.2 | |
| 9.3 | 14.1 | 6.2 | |
| 9.5 | 24.3 | 43.5 | |
| 8.5 | 26.3 | 31.4 | L |
| 6.5 | 28.4 | 31.4 | |
| 8.5 | 44.3 | 21.5 | L |
| 6.5 | 46.3 | 21.5 | S |
| 9.5 | 52.7 | 50.2 | |
| 10pr. | 21.84 | 0.86 | |

| m | 19ʰ | +34° | |
|---|---|---|---|
| | 3441—3500 | | |
| 9.5 | 4′ 0.0 | 17.2 | |
| 8.6 | 1.3 | 57.4 | Kb |
| 9.0 | 12.8 | 0.7 | B |
| 9.5 | 44.1 | 46.0 | |
| 9.1 | 54.2 | 13.7 | K |
| 9.4 | 56.9 | 56.7 | |
| 9.5 | 5 19.0 | 41.7 | |
| 9.3 | 48.8 | 16.0 | |
| 9.3 | 50.2 | 13.3 | |
| 9.1 | 6 15.7 | 13.3 | |
| 9.0 | 18.5 | 16.8 | |
| 9.0 | 31.4 | 15.6 | |
| 9.5 | 37.2 | 54.1 | |
| 8.7 | 45.0 | 51.6 | |
| 7.9 | 51.3 | 8.2 | L |
| 9.0 | 58.5 | 51.1 | |
| 9.3 | 7 7.4 | 33.3 | a |
| 9.5 | 11.0 | 28.9 | |
| 9.3 | 28.2 | 28.9 | |
| 9.3 | 33.3 | 13.1 | |
| 8.8 | 34.9 | 55.6 | Kb |
| 9.5 | 40.5 | 3.2 | |
| 9.0 | 41.8 | 32.4 | |
| 9.5 | 52.3 | 5.1 | |
| 9.5 | 55.3 | 16.4 | |
| 8.0 | 59.8 | 14.7 | L |
| 9.0 | 8 10.6 | 12.3 | B |
| 8.1 | 19.3 | 40.0 | B |
| 8.0 | 24.3 | 9.9 | L |
| 9.5 | 53.0 | 4.1 | B |
| 9.5 | 53.3 | 34.3 | |
| 9.3 | 9 2.0 | 33.1 | |
| 9.5 | 3.1 | 35.1 | |
| 9.5 | 5.6 | 35.3 | B |
| 7.2 | 9.7 | 18.5 | K |
| 8.2 | 28.8 | 46.4 | B |
| 9.5 | 28.9 | 51.1 | |
| 9.1 | 38.4 | 32.8 | K |
| 9.5 | 44.8 | 35.3 | |
| 9.0 | 45.5 | 11.3 | K |
| 9.3 | 55.4 | 57.1 | |
| 9.5 | 10 7.7 | 12.5 | |
| 9.5 | 27.9 | 48.4 | |
| 9.5 | 46.1 | 5.1 | |
| 9.2 | 57.9 | 59.7 | K |
| 9.5 | 11 28.2 | 20.6 | |
| 9.2 | 43.5 | 57.9 | Kb |
| 9.4 | 12 17.8 | 0.5 | |
| 9.4 | 27.7 | 38.0 | |
| 8.2 | 41.0 | 30.3 | L |
| 9.5 | 43.9 | 17.1 | |
| 9.3 | 55.1 | 57.8 | |
| 9.5 | 13 1.6 | 32.9 | |
| 8.2 | 24.5 | 57.6 | Rb |
| 8.8 | 44.5 | 46.6 | K |
| 9.5 | 14 12.5 | 31.4 | B |
| 9.5 | 17.3 | 59.3 | |
| 8.0 | 32.6 | 30.4 | K |
| 9.5 | 45.0 | 20.5 | |
| 9.3 | 15 0.2 | 1.7 | |
| 10pr. | 21.94 | 0.99 | |

3382ᵃ var | 54 22 | 45.5

| 3501—3560 | | | | | 3561—3620 | | | | | 3621—3680 | | | | | 3681—3740 | | | | | 3741—3800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ʰ | | +34° | | | 19ʰ | | +34° | | | 19ʰ | | +34° | | | 19ʰ | | +34° | | | 19ʰ | | +34° | |
| m | s | ″ | ′ | | m | s | ″ | ′ | | m | s | ″ | ′ | | m | s | ″ | ′ | | m | s | ″ | ′ | |
| 8.7 | 15 | 11.0 | 41.2 | K | 9.5 | 22 | 23.0 | 0.9 | | 9.5 | 30 | 21.4 | 29.1 | | 8.7 | 38 | 1.0 | 31.7 | Kb | 9.5 | 44 | 39.3 | 24.7 | |
| 8.0 | | 11.1 | 37.5 | K | 9.4 | | 32.9 | 45.7 | | 9.5 | | 33.2 | 54.8 | | 9.0 | | 3.8 | 29.5 | K | 9.0 | | 43.2 | 53.5 | B |
| 6.4 | | 15.8 | 54.8 | Kb | 9.5 | | 39.2 | 15.0 | | 9.5 | | 35.3 | 3.6 | | 8.8 | | 5.1 | 43.6 | | 9.3 | | 45.1 | 10.5 | |
| 8.9 | | 23.9 | 10.5 | L | 9.0 | 23 | 6.1 | 59.1 | | 9.5 | | 37.0 | 21.1 | | 9.5 | | 6.5 | 12.3 | | 9.0 | | 53.9 | 31.7 | |
| 8.9 | | 33.5 | 52.8 | K | 9.5 | | 15.8 | 25.8 | | 7.1 | | 46.1 | 53.6 | L | 9.3 | | 7.6 | 12.6 | | 9.5 | | 56.4 | 41.4 | |
| 9.5 | | 50.0 | 41.6 | | 8.2 | | 18.9 | 18.4 | K | 9.1 | | 48.2 | 31.6 | K | 9.5 | | 23.5 | 42.9 | | 9.2 | | 58.2 | 19.9 | a |
| 9.5 | | 50.7 | 39.7 | aB | 9.5 | | 23.8 | 33.0 | | 9.5 | | 52.8 | 29.1 | | 9.5 | | 30.6 | 21.1 | | 8.6 | | 59.0 | 0.9 | L |
| 9.1 | | 54.8 | 5.1 | L | 9.5 | | 32.7 | 57.4 | | 9.2 | 31 | 0.3 | 8.2 | | 8.9 | | 54.6 | 58.7 | K | 9.5 | 45 | 8.7 | 53.9 | B |
| 9.5 | | 57.3 | 51.1 | | 8.9 | | 41.9 | 4.0 | | 9.1 | | 4.9 | 57.3 | K | 9.4 | 39 | 0.8 | 9.0 | | 8.5 | | 11.6 | 34.5 | |
| 9.5 | 16 | 2.5 | 50.9 | | 9.4 | | 43.3 | 38.1 | B | 9.5 | | 15.1 | 40.1 | | 9.4 | | 3.0 | 9.4 | | 9.5 | | 15.2 | 36.3 | |
| 8.1 | | 4.5 | 1.2 | L | 9.5 | | 43.8 | 34.6 | | 9.5 | | 25.5 | 55.2 | | 7.0 | | 12.3 | 4.0 | L | 9.3 | | 21.3 | 8.4 | |
| 9.5 | | 20.9 | 6.6 | | 8.5 | | 45.6 | 54.0 | R | 9.4 | | 29.7 | 46.2 | | 9.5 | | 21.8 | 33.9 | | 9.0 | | 25.7 | 20.4 | |
| 9.5 | | 21.8 | 0.9 | | 9.4 | | 54.1 | 13.1 | B | 9.5 | | 35.6 | 7.9 | | 9.5 | | 32.4 | 12.5 | | 9.4 | | 26.5 | 27.8 | |
| 9.5 | | 36.7 | 54.1 | | 9.5 | | 57.8 | 46.3 | | 9.5 | | 41.9 | 44.2 | | 9.4 | | 34.2 | 13.8 | | 8.9 | | 34.0 | 13.9 | |
| 9.5 | | 39.6 | 58.2 | | 9.3 | | 58.4 | 54.9 | | 9.4 | | 47.6 | 42.4 | aB | 9.4 | | 36.4 | 11.7 | | 9.4 | | 52.2 | 25.3 | |
| 9.5 | 17 | 8.0 | 20.4 | | 9.3 | 24 | 11.4 | 29.7 | | 9.5 | | 58.5 | 7.0 | | 9.4 | | 37.9 | 38.8 | | 8.3 | 46 | 2.7 | 39.6 | |
| 9.5 | | 14.9 | 28.9 | | 9.2 | | 15.0 | 35.6 | | 6.5 | 32 | 18.0 | 41.3 | L | 9.1 | | 38.8 | 12.4 | B | 8.9 | | 9.5 | 11.2 | Kb |
| 9.5 | | 28.2 | 43.5 | | 8.4 | | 45.0 | 0.4 | K | 9.4 | | 21.3 | 45.3 | | 9.5 | | 53.3 | 55.4 | | 9.2 | | 11.3 | 0.7 | |
| 9.3 | | 35.8 | 25.2 | R | 9.4 | 25 | 10.8 | 47.1 | | 8.7 | | 31.0 | 52.7 | K | 9.5 | 40 | 2.2 | 16.1 | | 9.3 | | 16.5 | 19.1 | |
| 9.5 | | 39.7 | 53.4 | | 9.5 | | 11.0 | 12.5 | | 6.6 | | 40.8 | 55.9 | K | 9.3 | | 3.1 | 5.6 | | 9.5 | | 20.0 | 50.7 | |
| 9.5 | | 47.8 | 11.7 | | 8.0 | | 19.6 | 47.8 | B | 9.0 | | 50.8 | 18.3 | | 6.6 | | 26.8 | 39.5 | K | 9.5 | | 20.9 | 25.8 | |
| 9.4 | | 54.2 | 59.8 | | 9.5 | | 40.1 | 48.5 | | 9.2 | 33 | 24.6 | 1.4 | | 9.0 | | 27.8 | 40.1 | K | 9.5 | | 35.1 | 27.0 | |
| 9.5 | 18 | 10.9 | 24.3 | | 9.2 | | 52.8 | 36.4 | | 8.5 | | 24.6 | 6.8 | | 9.4 | | 28.3 | 53.2 | | 9.2 | | 36.5 | 0.6 | |
| 9.4 | | 30.1 | 56.0 | aB | 9.4 | | 52.9 | 51.3 | | 9.3 | | 27.6 | 39.1 | B | 9.5 | | 43.9 | 11.8 | | 9.4 | | 42.6 | 27.7 | |
| 8.5 | | 31.8 | 7.2 | K | 8.9 | 26 | 3.8 | 59.8 | | 8.5 | | 33.8 | 54.6 | K | 9.5 | | 58.5 | 57.6 | | 9.3 | | 50.1 | 23.5 | |
| 9.4 | | 35.4 | 59.1 | | 8.7 | | 3.9 | 54.8 | B | 9.5 | | 39.4 | 40.8 | | 8.5 | 41 | 2.7 | 41.0 | K | 9.1 | | 58.9 | 14.4 | K |
| 8.9 | | 49.3 | 17.4 | | 8.2 | | 7.0 | 9.7 | L | 9.5 | | 40.9 | 40.2 | | 9.5 | | 15.8 | 17.8 | | 9.1 | 47 | 20.3 | 46.0 | |
| 9.5 | 19 | 1.0 | 33.9 | | 9.5 | | 8.7 | 23.7 | | 8.0 | | 45.0 | 37.1 | L | 8.0 | | 29.3 | 4.1 | B | 8.8 | | 26.1 | 10.4 | K |
| 9.3 | | 6.4 | 11.7 | a | 9.5 | | 17.6 | 51.2 | | 9.5 | | 50.3 | 56.4 | | 9.5 | | 29.4 | 38.3 | B | 9.3 | | 26.9 | 26.5 | |
| 9.5 | | 8.4 | 5.3 | | 4.6 | | 23.1 | 8.7 | Lb | 9.1 | 34 | 9.8 | 57.2 | | 9.0 | | 35.5 | 54.9 | K | 9.4 | | 40.1 | 4.6 | a |
| 9.0 | | 10.8 | 22.0 | | 9.4 | | 23.5 | 27.8 | | 8.7 | | 13.3 | 58.7 | K | 9.5 | | 40.1 | 6.5 | | 9.5 | | 44.0 | 54.5 | |
| 9.5 | | 12.6 | 47.5 | | 9.5 | | 27.6 | 41.4 | | 9.5 | | 37.4 | 21.4 | | 9.4 | | 54.4 | 0.9 | | 9.0 | | 48.2 | 44.6 | B |
| 9.5 | | 25.4 | 5.1 | | 9.5 | | 29.6 | 28.0 | | 8.0 | | 44.8 | 48.7 | K | 9.5 | | 57.3 | 16.1 | | 9.5 | | 49.4 | 34.7 | |
| 9.1 | | 36.7 | 36.3 | b | 9.3 | | 36.0 | 46.1 | | 9.3 | | 50.1 | 31.2 | | 9.4 | | 58.0 | 8.1 | | 8.8 | | 54.3 | 40.1 | |
| 8.8 | | 37.8 | 48.4 | | 9.1 | | 39.5 | 0.2 | | 8.5 | | 51.3 | 54.4 | Kb | 9.4 | 42 | 8.0 | 22.5 | | 9.4 | 48 | 3.1 | 33.7 | |
| 9.4 | | 51.1 | 53.3 | | 8.6 | | 58.8 | 54.0 | | 9.5 | | 58.4 | 21.3 | | 9.5 | | 14.6 | 41.3 | | 9.5 | | 8.8 | 48.3 | |
| 9.5 | | 58.0 | 36.8 | | 9.5 | 27 | 1.5 | 29.3 | | 9.5 | 35 | 6.8 | 38.6 | | 9.4 | | 23.8 | 6.5 | | 9.5 | | 7.7 | 29.2 | aB |
| 8.6 | 20 | 2.8 | 25.2 | K | 8.9 | | 14.0 | 0.7 | | 9.4 | | 10.4 | 53.9 | | 9.5 | | 23.8 | 3.3 | | 6.8 | | 20.3 | 12.1 | K |
| 9.5 | | 3.5 | 0.8 | | 8.6 | | 22.4 | 29.2 | | 9.2 | | 11.8 | 57.4 | aK | 9.0 | | 37.8 | 52.8 | | 9.5 | | 22.2 | 50.9 | |
| 9.3 | | 18.7 | 56.8 | | 9.0 | | 23.8 | 46.2 | | 9.0 | | 19.5 | 9.5 | | 9.1 | | 38.7 | 35.8 | | 9.4 | | 29.8 | 33.7 | |
| 9.2 | | 28.9 | 23.9 | | 8.9 | | 42.8 | 17.3 | | 8.8 | | 29.0 | 3.4 | B | 9.5 | | 39.3 | 9.6 | | 8.7 | | 32.9 | 4.8 | K |
| 9.5 | | 39.3 | 1.2 | | 9.0 | | 57.9 | 6.4 | | 8.9 | | 29.8 | 29.3 | | 9.5 | | 41.8 | 51.3 | | 9.0 | | 34.5 | 7.0 | |
| 9.1 | | 46.9 | 19.0 | | 9.2 | 28 | 6.1 | 3.3 | | 9.5 | | 48.3 | 6.9 | | 9.5 | | 47.8 | 25.9 | | 8.9 | | 35.7 | 1.2 | K |
| 9.5 | | 48.8 | 51.4 | | 9.0 | | 7.0 | 34.7 | | 9.3 | | 54.5 | 13.3 | | 9.1 | 43 | 4.1 | 16.3 | | 9.0 | | 38.8 | 10.0 | B |
| 9.5 | | 51.1 | 3.0 | | 9.3 | | 12.4 | 52.9 | | 9.3 | 36 | 0.0 | 45.9 | | 9.1 | | 6.3 | 28.4 | b | 9.5 | | 47.7 | 11.8 | |
| 9.4 | 21 | 4.7 | 40.6 | aB | 9.5 | | 18.9 | 17.4 | | 9.5 | | 4.8 | 53.1 | | 9.5 | | 8.5 | 34.1 | | 9.0 | | 52.4 | 6.9 | |
| 9.5 | | 5.3 | 51.1 | | 9.5 | | 21.8 | 15.1 | B | 9.1 | | 20.0 | 19.5 | | 7.0 | | 19.8 | 56.8 | K | 8.6 | 49 | 21.8 | 37.8 | |
| 9.5 | | 8.4 | 36.5 | | 9.5 | | 22.9 | 19.8 | | 9.0 | | 42.5 | 9.0 | K | 9.5 | | 22.9 | 8.3 | | 9.5 | | 27.9 | 6.2 | |
| 9.4 | | 25.8 | 39.6 | | 9.5 | | 23.5 | 40.9 | | 9.5 | | 45.6 | 43.6 | | 9.5 | | 43.5 | 11.3 | | 8.7 | | 29.5 | 33.2 | K |
| 9.1 | | 35.3 | 11.6 | K | 9.5 | | 41.0 | 47.5 | | 8.5 | | 49.1 | 51.5 | | 9.3 | | 52.9 | 25.1 | | 7.5 | | 32.6 | 31.2 | Kb |
| 7.7 | | 39.0 | 53.3 | L | 9.5 | | 45.2 | 19.1 | | 9.3 | | 52.4 | 29.2 | | ~~9.5~~ | | ~~53.8~~ | ~~28.8~~ | | 9.5 | | 45.7 | 11.7 | |
| 9.5 | | 42.2 | 43.5 | | 9.5 | 29 | 13.9 | 46.3 | | 9.5 | 37 | 7.4 | 8.7 | B | 9.4 | | 55.0 | 48.2 | | 9.5 | 50 | 11.0 | 19.1 | |
| 9.5 | | 42.2 | 44.0 | | 9.5 | | 16.6 | 50.0 | | 9.0 | | 31.4 | 1.9 | B | 8.9 | 44 | 0.0 | 44.7 | B | 9.5 | | 11.1 | 24.3 | |
| 7.7 | | 43.8 | 34.1 | L | 8.8 | | 18.0 | 58.8 | | 9.2 | | 32.2 | 19.3 | | 9.5 | | 4.1 | 54.9 | | 9.0 | | 19.3 | 36.3 | K |
| 9.5 | | 58.8 | 20.3 | | 9.4 | | 27.4 | 29.7 | | 8.0 | | 34.5 | 4.6 | K | 9.5 | | 25.5 | 56.0 | | 9.5 | | 32.4 | 4.4 | |
| 9.5 | 22 | 1.8 | 18.1 | | 9.5 | | 30.5 | 13.4 | | 9.3 | | 36.6 | 47.2 | B | 9.4 | | 27.9 | 6.7 | | 9.3 | | 45.2 | 59.9 | |
| 9.4 | | 1.9 | 19.8 | | 9.1 | | 36.9 | 6.0 | K | 9.1 | | 42.8 | 23.6 | K | 9.5 | | 28.4 | 3.9 | | 9.2 | | 46.3 | 51.5 | |
| 9.5 | | 11.3 | 43.5 | | 9.5 | | 39.4 | 28.7 | | 9.5 | | 43.0 | 31.7 | | 9.3 | | 30.4 | 2.0 | | 4.2 | | 51.8 | 41.9 | Kb |
| 9.5 | | 11.5 | 23.2 | | 9.5 | | 40.1 | 42.8 | | 9.5 | | 47.2 | 20.9 | | 9.2 | | 30.6 | 58.5 | | 9.2 | 51 | 3.1 | 34.9 | |
| 9.5 | | 20.0 | 18.8 | | 7.0 | | 59.8 | 22.0 | K | 9.5 | | 53.2 | 3.9 | | 9.4 | | 36.8 | 30.9 | | 9.3 | | 4.3 | 29.7 | |
| 10 pr. | | 22.07 | 1.13 | | 10 pr. | | 22.18 | 1.23 | | 10 pr. | | 22.30 | 1.33 | | 10 pr. | | 22.42 | 1.43 | | 10 pr. | | 22.53 | 1.51 | |

| 3515ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 16 | 58.8 | 26.1 | a |

3801—3860

| | 19ᵘ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 51 13.3 | 21.1 | |
| 9.5 | 24.0 | 36.2 | |
| 9.5 | 34.8 | 36.2 | |
| 9.3 | 40.4 | 47.1 | |
| 9.5 | 43.2 | 17.7 | |
| 8.2 | 46.8 | 38.4 | K |
| 8.5 | 49.0 | 11.7 | |
| 9.4 | 52 6.1 | 30.5 | |
| 9.5 | 20.8 | 38.2 | |
| 9.1 | 31.0 | 20.2 | |
| 9.0 | 39.9 | 19.8 | |
| 8.9 | 40.3 | 59.5 | K |
| 8.1 | 43.4 | 1.7 | L |
| 9.2 | 54.1 | 54.2 | |
| 9.0 | 54.4 | 48.7 | B |
| 9.3 | 54.9 | 49.7 | |
| *8.2 | 57.6 | 6.9 | L |
| 9.5 | 53 7.9 | 10.3 | |
| 8.8 | 11.5 | 40.7 | |
| 9.5 | 17.7 | 3.8 | |
| 9.4 | 23.0 | 58.0 | |
| 9.2 | 24.8 | 42.3 | |
| 8.8 | 25.3 | 15.6 | |
| 9.5 | 36.6 | 48.8 | |
| 8.5 | 57.8 | 5.7 | L |
| 9.5 | 59.9 | 25.6 | |
| 9.4 | 54 11.8 | 25.9 | |
| 9.1 | 22.0 | 54.6 | a |
| 9.4 | 26.9 | 22.9 | aB |
| 8.4 | 28.1 | 53.4 | |
| 9.5 | 45.9 | 10.2 | |
| 8.3 | 52.0 | 57.4 | Lb |
| 8.4 | 53.8 | 3.5 | K |
| 9.5 | 55 7.5 | 54.1 | |
| 9.2 | 23.2 | 16.6 | |
| 9.5 | 38.5 | 1.8 | |
| 9.0 | 42.8 | 23.0 | K |
| 9.4 | 46.2 | 2.3 | |
| 9.0 | 56 1.8 | 44.2 | K |
| 8.6 | 2.6 | 10.7 | L |
| 9.3 | 4.7 | 28.7 | |
| 9.3 | 13.7 | 43.3 | |
| 9.3 | 25.0 | 24.0 | a |
| 9.5 | 29.1 | 58.0 | |
| 9.4 | 29.8 | 50.4 | |
| 8.9 | 31.6 | 4.7 | L |
| 7.6 | 34.6 | 55.8 | K |
| 9.0 | 45.8 | 17.8 | L |
| 9.3 | 47.4 | 41.3 | |
| 8.9 | 55.6 | 54.6 | K |
| 9.0 | 57 10.5 | 25.5 | |
| 9.5 | 32.9 | 39.7 | |
| 9.5 | 39.6 | 25.2 | a |
| 9.4 | 40.5 | 49.9 | B |
| 9.5 | 44.9 | 44.4 | |
| 9.5 | 58 11.6 | 29.4 | |
| 9.2 | 15.6 | 11.6 | |
| 8.5 | 16.1 | 27.8 | L |
| 9.4 | 18.9 | 19.5 | |
| 9.4 | 20.0 | 24.2 | |
| 10pr. | + 22.66 | + 1.60 | |

3861—3920

| | 19ᵘ—20ᵘ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 58 42.8 | 32.4 | |
| 8.6 | 59 2.0 | 34.9 | Lb |
| 9.6 | 30.7 | 35.1 | |
| 9.4 | 40.0 | 53.9 | aB |
| 9.5 | 41.4 | 51.4 | |
| 8.3 | 54.6 | 34.4 | L |
| 8.7 | 0 6.7 | 30.0 | K |
| 9.3 | 9.8 | 38.2 | |
| 9.3 | 33.9 | 25.1 | |
| 9.5 | 34.8 | 48.3 | B |
| 8.3 | 42.4 | 58.3 | L |
| 9.2 | 42.7 | 54.7 | |
| 7.5 | 1 5.6 | 43.1 | K |
| 8.5 | 10.6 | 29.5 | L |
| 8.0 | 12.8 | 36.8 | B |
| 9.2 | 15.6 | 55.9 | |
| 9.2 | 24.4 | 53.4 | |
| 9.5 | 25.2 | 13.2 | |
| 9.5 | 46.5 | 57.5 | |
| 8.3 | 2 2.2 | 19.2 | B |
| 6.0 | 7.5 | 0.2 | L |
| 7.9 | 25.4 | 41.2 | Bb |
| 9.5 | 50.6 | 53.2 | |
| 9.5 | 3 9.4 | 10.1 | |
| 9.2 | 25.8 | 58.6 | |
| 9.4 | 44.1 | 58.1 | B |
| 9.5 | 45.4 | 56.2 | |
| 8.3 | 51.3 | 17.6 | L |
| 9.4 | 57.8 | 59.0 | |
| 9.5 | 59.2 | 17.3 | |
| 9.5 | 4 2.4 | 8.4 | |
| 9.5 | 5.5 | 6.2 | |
| 9.5 | 8.3 | 53.2 | |
| 9.5 | 29.5 | 54.1 | |
| 9.5 | 32.3 | 55.6 | |
| 9.0 | 34.6 | 38.4 | |
| 9.5 | 37.5 | 49.8 | |
| 9.3 | 5 0.8 | 54.9 | |
| 8.4 | 4.4 | 26.0 | |
| 9.3 | 17.0 | 42.3 | |
| 9.5 | 27.7 | 59.9 | |
| 9.1 | 30.5 | 23.1 | |
| 9.5 | 50.2 | 41.8 | |
| 9.5 | 6 6.9 | 53.5 | |
| 9.5 | 12.3 | 34.9 | |
| 9.4 | 23.4 | 17.6 | |
| 9.0 | 24.2 | 9.7 | K |
| 7.4 | 27.5 | 2.8 | K |
| 9.3 | 33.1 | 15.7 | |
| 8.0 | 44.4 | 25.1 | |
| 9.5 | 46.3 | 48.8 | |
| 9.5 | 50.3 | 51.4 | |
| 8.7 | 53.4 | 29.0 | |
| 9.4 | 7 6.8 | 58.7 | |
| 7.8 | 12.2 | 44.6 | K |
| 8.1 | 20.7 | 2.3 | K |
| 9.4 | 23.0 | 9.8 | |
| 9.3 | 26.7 | 58.5 | |
| 8.0 | 28.7 | 23.3 | K |
| 8.7 | 46.8 | 35.4 | B |
| 10pr. | + 22.84 | + 1.72 | |

3921—3980

| | 20ᵘ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 7 47.5 | 12.1 | |
| 9.0 | 49.9 | 36.5 | |
| 8.2 | 51.2 | 28.3 | L |
| 8.9 | 52.3 | 42.4 | |
| 9.4 | 8 0.0 | 59.7 | B |
| 9.5 | 5.0 | 55.0 | |
| 9.5 | 21.0 | 35.0 | a |
| 9.5 | 23.1 | 12.6 | |
| 9.4 | 27.7 | 57.2 | |
| 7.6 | 42.7 | 55.4 | K |
| 8.2 | 43.2 | 32.4 | K |
| 8.8 | 49.0 | 26.3 | K |
| 9.5 | 51.2 | 34.5 | |
| 8.6 | 55.7 | 58.4 | Kb |
| 9.5 | 9 1.2 | 7.8 | |
| 8.5 | 9.6 | 12.0 | B |
| 9.0 | 27.1 | 33.3 | |
| 9.5 | 36.9 | 3.7 | |
| 9.3 | 41.2 | 15.5 | |
| 9.5 | 53.0 | 35.0 | |
| 9.5 | 53.4 | 39.9 | |
| 9.5 | 10 0.2 | 3.1 | |
| 9.5 | 3.2 | 28.3 | |
| 8.4 | 11.0 | 55.7 | K |
| 9.2 | 13.0 | 30.8 | |
| 9.2 | 22.1 | 0.2 | |
| 9.1 | 27.0 | 42.6 | |
| 9.5 | 33.9 | 47.5 | |
| 8.8 | 36.5 | 35.9 | |
| 9.0 | 39.2 | 18.9 | |
| 9.3 | 50.4 | 0.1 | |
| 9.5 | 57.5 | 39.9 | |
| 8.7 | 11 13.2 | 7.3 | |
| 9.0 | 35.6 | 48.5 | |
| 9.1 | 42.3 | 42.1 | |
| 9.5 | 52.9 | 17.1 | |
| 9.2 | 53.0 | 12.7 | |
| 9.5 | 12 3.1 | 2.8 | |
| 9.4 | 10.0 | 51.7 | |
| 9.5 | 18.0 | 4.0 | |
| 9.0 | 18.5 | 22.0 | |
| 9.5 | 20.8 | 26.9 | |
| 9.0 | 40.6 | 39.0 | |
| 9.5 | 47.0 | 50.1 | |
| 9.5 | 49.0 | 54.1 | |
| 8.2 | 56.2 | 34.8 | K |
| 5.4 | 13 4.0 | 32.1 | Kb |
| 8.5 | 11.7 | 39.5 | K |
| 9.0 | 17.0 | 8.3 | |
| 9.5 | 45.1 | 7.8 | |
| 9.1 | 57.5 | 25.1 | |
| 9.5 | 14 4.0 | 16.2 | |
| 9.1 | 13.8 | 6.8 | |
| 9.2 | 20.6 | 42.1 | |
| 9.5 | 25.0 | 9.7 | |
| 9.5 | 55.6 | 58.6 | |
| 9.5 | 15 2.4 | 10.3 | |
| 8.5 | 5.0 | 47.5 | |
| 9.4 | 10.9 | 44.0 | |
| 9.5 | 26.2 | 58.4 | |
| 10pr. | + 22.99 | + 1.81 | |

3981—4040

| | 20ᵘ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 15 37.8 | 15.0 | |
| 8.3 | 59.5 | 32.2 | K |
| 9.4 | 16 9.6 | 36.1 | aB |
| 9.5 | 12.3 | 37.6 | |
| 9.4 | 13.8 | 41.3 | aB |
| 9.5 | 14.1 | 57.2 | |
| 9.4 | 17.0 | 32.3 | |
| 9.5 | 21.0 | 40.9 | |
| 9.5 | 25.0 | 42.0 | |
| 9.0 | 27.0 | 59.2 | B |
| 9.5 | 31.4 | 35.1 | |
| 9.5 | 36.9 | 46.1 | |
| 9.4 | 39.8 | 12.7 | |
| 9.4 | 41.7 | 20.1 | |
| 7.2 | 55.8 | 31.7 | K |
| 9.4 | 17 46.3 | 20.3 | B |
| 9.5 | 55.0 | 48.3 | |
| 9.3 | 18 6.8 | 39.9 | |
| 9.3 | 12.2 | 7.8 | |
| 9.5 | 28.9 | 32.3 | |
| 9.2 | 37.8 | 13.7 | |
| 9.5 | 41.0 | 48.7 | |
| 9.3 | 55.0 | 43.0 | |
| 9.4 | 55.5 | 53.4 | |
| 9.2 | 56.2 | 11.0 | B |
| 9.5 | 56.2 | 58.0 | |
| 8.9 | 19 1.7 | 0.4 | |
| 8.8 | 14.4 | 11.2 | B |
| 8.8 | 23.7 | 11.6 | B |
| 9.2 | 34.8 | 8.2 | |
| 9.4 | 38.8 | 53.4 | |
| 8.5 | 49.4 | 32.9 | |
| 9.3 | 57.3 | 2.8 | |
| 9.0 | 20 10.5 | 18.9 | |
| 9.5 | 20.0 | 41.6 | |
| 8.9 | 24.1 | 44.3 | K |
| 9.5 | 32.8 | 25.0 | |
| 9.4 | 34.1 | 49.9 | |
| 9.5 | 38.2 | 2.8 | |
| 9.5 | 44.8 | 37.3 | |
| 9.4 | 48.1 | 46.2 | |
| 9.5 | 50.0 | 10.5 | |
| 9.3 | 50.0 | 7.1 | |
| 9.4 | 51.0 | 7.7 | |
| 8.3 | 21 0.9 | 33.5 | |
| 9.0 | 24.2 | 43.1 | |
| 9.4 | 46.8 | 45.6 | |
| 9.0 | 48.3 | 51.8 | |
| 9.3 | 22 11.8 | 18.4 | |
| 9.5 | 19.4 | 17.0 | |
| 8.0 | 38.9 | 37.0 | |
| 9.5 | 45.6 | 42.4 | |
| 9.5 | 50.5 | 29.5 | |
| 9.5 | 55.6 | 1.0 | |
| 9.4 | 23 2.4 | 48.5 | |
| 9.5 | 6.6 | 47.0 | |
| 9.5 | 9.8 | 17.9 | |
| 9.5 | 9.9 | 37.4 | |
| 9.5 | 17.8 | 26.3 | |
| 9.5 | 30.6 | 22.8 | |
| 10pr. | + 23.18 | + 1.92 | |

4041—4100

| | 20ᵘ | +34° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.1 | 23 35.4 | 57.3 | |
| 9.5 | 42.4 | 5.5 | |
| 9.3 | 44.2 | 32.4 | |
| 8.9 | 49.3 | 55.6 | Kb |
| 9.3 | 24 4.6 | 36.3 | |
| 9.5 | 7.7 | 18.1 | B |
| 9.5 | 19.4 | 39.9 | |
| 9.1 | 24.2 | 18.4 | aB |
| 9.5 | 35.4 | 24.5 | |
| 9.4 | 35.8 | 16.7 | |
| 9.5 | 42.3 | 26.7 | |
| 9.4 | 49.8 | 25.2 | B |
| 9.5 | 55.5 | 56.4 | |
| 9.3 | 57.6 | 22.8 | |
| 9.0 | 25 0.3 | 11.9 | B |
| 8.6 | 5.6 | 51.7 | |
| 9.5 | 14.8 | 16.5 | |
| 9.5 | 15.5 | 32.3 | |
| 9.2 | 22.6 | 8.8 | |
| 9.1 | 29.0 | 50.3 | |
| 9.1 | 55.2 | 22.4 | b |
| 9.3 | 55.8 | 50.4 | aB |
| 9.4 | 59.8 | 51.0 | |
| 9.5 | 26 10.6 | 29.3 | |
| 8.8 | 13.6 | 47.6 | |
| 9.2 | 23.2 | 47.4 | |
| 9.5 | 30.5 | 27.6 | |
| 9.5 | 49.9 | 48.8 | |
| 8.3 | 52.5 | 25.3 | |
| 9.3 | 27 3.0 | 31.5 | |
| 9.3 | 3.9 | 27.5 | |
| 9.3 | 12.1 | 46.3 | |
| 9.4 | 26.4 | 5.8 | |
| 9.0 | 32.4 | 55.2 | |
| 9.1 | 54.8 | 59.8 | K |
| 9.5 | 28 0.5 | 44.3 | |
| 9.5 | 4.2 | 54.2 | |
| 9.4 | 13.1 | 16.7 | |
| 5.4 | 16.4 | 45.6 | Kb |
| 9.5 | 20.3 | 37.0 | |
| 7.2 | 21.8 | 10.6 | L |
| 9.0 | 34.4 | 50.4 | K |
| 9.5 | 41.7 | 18.2 | B |
| 9.5 | 45.3 | 43.3 | |
| 9.1 | 55.8 | 59.7 | K |
| 8.5 | 29 7.4 | 23.4 | K |
| 9.4 | 7.9 | 51.3 | |
| 8.8 | 20.4 | 20.2 | K |
| 9.5 | 41.8 | 54.5 | |
| 9.4 | 49.7 | 20.2 | |
| 8.5 | 56.4 | 40.2 | S |
| 9.5 | 30 13.3 | 27.5 | |
| 9.5 | 31 15.5 | 24.7 | |
| 8.8 | 28.1 | 7.4 | K |
| 8.2 | 41.6 | 55.8 | |
| 9.4 | 46.7 | 22.7 | |
| 8.5 | 55.4 | 20.0 | |
| 7.8 | 32 3.0 | 41.4 | K |
| 9.3 | 9.4 | 2.2 | |
| 9.5 | 18.9 | 52.6 | aB |
| 10pr. | + 23.36 | + 2.00 | |

| 3817ᵘ | | | | |
|---|---|---|---|---|
| 9.5 | 53 | 3.1 | 19.5 | a |

4101—4160

| m | 20ᵘ | +34° | |
|---|---|---|---|
| 9.5 | 32′ 20.8 | 14.9 | |
| 9.5 | 23.7 | 6.3 | |
| 9.5 | 25.4 | 32.0 | |
| 9.5 | 27.9 | 52.1 | |
| 9.3 | 45.9 | 53.1 | |
| 9.5 | 33 6.4 | 39.9 | |
| 9.5 | 25.2 | 59.2 | |
| 8.8 | 45.2 | 12.2 | |
| 9.4 | 34 11.4 | 56.4 | αB |
| 9.4 | 12.3 | 36.9 | |
| 7.2 | 16.9 | 52.5 | K |
| 9.4 | 23.9 | 56.0 | |
| 9.0 | 36.0 | 40.6 | |
| 7.5 | 35 9.0 | 31.4 | L |
| 8.9 | 14.8 | 23.0 | |
| 9.5 | 15.6 | 42.2 | |
| 8.9 | 22.4 | 45.5 | |
| 8.5 | 31.0 | 51.2 | K |
| 9.5 | 33.4 | 44.5 | |
| 9.5 | 44.4 | 44.9 | |
| 8.5 | 57.5 | 39.9 | |
| 9.5 | 36 8.9 | 0.4 | |
| 8.6 | 19.7 | 40.4 | |
| 8.1 | 28.2 | 2.9 | K |
| 8.8 | 29.5 | 55.0 | |
| 9.4 | 34.4 | 20.9 | |
| 7.5 | 43.2 | 56.4 | L |
| 9.2 | 43.3 | 24.5 | K |
| 9.5 | 37 6.2 | 59.0 | |
| 9.5 | 6.4 | 37.3 | |
| 9.5 | 28.8 | 48.1 | |
| 8.8 | 36.7 | 39.9 | |
| 9.2 | 48.0 | 55.0 | |
| 9.3 | 51.9 | 32.8 | |
| 9.4 | 38 1.1 | 44.8 | |
| 8.3 | 7.0 | 53.2 | K |
| 9.5 | 46.7 | 19.4 | |
| *9.5 | 51.3 | 17.6 | B |
| 9.3 | 39 8.5 | 53.1 | |
| 9.5 | 22.1 | 52.6 | |
| 9.1 | 24.4 | 57.3 | |
| 9.0 | 34.0 | 39.3 | B |
| 9.2 | 52.4 | 49.9 | |
| 9.3 | 40 0.3 | 58.2 | |
| 9.5 | 13.7 | 16.1 | |
| 9.5 | 22.8 | 43.7 | |
| 9.1 | 30.2 | 56.8 | |
| 8.9 | 40.0 | 1.2 | |
| 9.3 | 42.0 | 39.7 | B |
| 9.3 | 47.7 | 20.1 | |
| 8.8 | 41 6.5 | 1.3 | K |
| 9.3 | 15.9 | 4.2 | |
| 9.5 | 35.0 | 12.6 | |
| 9.5 | 58.9 | 22.5 | |
| 9.5 | 42 7.4 | 56.3 | |
| 9.0 | 18.7 | 25.6 | R |
| 9.2 | 19.6 | 40.0 | |
| 8.6 | 25.0 | 8.8 | K |
| 9.5 | 25.1 | 16.7 | |
| 9.1 | 36.0 | 6.6 | K |
| | + | + | |
| 10pr. | 23.61 | 2.12 | |

4161—4220

| m | 20ᵘ | +34° | |
|---|---|---|---|
| 9.2 | 42′ 42.7 | 53.9 | B |
| 9.5 | 48.2 | 55.1 | |
| 9.5 | 50.0 | 3.2 | |
| 9.5 | 51.7 | 54.6 | |
| 9.4 | 43 10.0 | 21.7 | |
| 9.5 | 14.5 | 48.4 | |
| 9.0 | 14.9 | 45.9 | |
| 9.3 | 27.6 | 58.5 | |
| 9.5 | 28.1 | 2.4 | |
| 9.5 | 33.2 | 35.0 | |
| 9.5 | 43.3 | 4.3 | |
| 9.5 | 52.7 | 47.3 | |
| 9.5 | 52.8 | 17.7 | |
| 9.5 | 44 10.6 | 36.2 | |
| 9.4 | 22.5 | 15.2 | |
| 9.4 | 34.8 | 7.7 | |
| 9.3 | 39.5 | 40.8 | |
| 9.5 | 44.6 | 45.2 | |
| 9.5 | 56.2 | 45.7 | |
| 6.8 | 45 9.8 | 12.6 | K |
| 9.5 | 13.8 | 14.1 | |
| 9.5 | 49.9 | 40.6 | |
| 9.0 | 46 14.7 | 46.0 | B |
| var | 16.2 | 6.9 | L |
| 9.5 | 22.7 | 14.5 | |
| 8.8 | 24.9 | 40.1 | B |
| 9.5 | 31.8 | 49.8 | |
| 9.4 | 32.1 | 40.9 | |
| 9.1 | 38.4 | 39.2 | |
| 9.2 | 51.9 | 14.5 | |
| 9.2 | 57.8 | 22.7 | |
| 9.1 | 58.8 | 43.4 | |
| 8.6 | 47 2.1 | 22.2 | L |
| 9.5 | 5.3 | 42.7 | |
| 8.5 | 8.8 | 48.1 | |
| 7.8 | 15.8 | 12.3 | K |
| 8.6 | 16.0 | 28.6 | |
| 8.7 | 44.2 | 11.8 | K |
| 7.8 | 50.0 | 40.9 | K |
| 9.5 | 48 0.7 | 22.5 | |
| 9.5 | 9.9 | 54.9 | |
| 9.5 | 11.5 | 26.0 | |
| 9.3 | 32.0 | 1.3 | |
| 9.3 | 44.9 | 0.1 | |
| 9.0 | 52.1 | 2.4 | |
| 9.5 | 49 20.4 | 49.8 | |
| 9.5 | 50 1.5 | 57.2 | |
| 9.3 | 9.5 | 52.3 | |
| 9.4 | 32.7 | 27.6 | |
| 9.5 | 45.0 | 25.4 | |
| 9.5 | 51 21.0 | 2.9 | |
| 9.0 | 23.2 | 18.4 | |
| 6.5 | 25.6 | 45.2 | K |
| 9.2 | 30.7 | 22.9 | Bb |
| 9.0 | 32.4 | 52.9 | |
| 9.1 | 52 7.6 | 47.9 | K |
| 9.4 | 24.4 | 37.1 | |
| 8.3 | 35.0 | 8.7 | K |
| 7.6 | 50.6 | 10.4 | K |
| 9.4 | 58.5 | 25.1 | B |
| | + | + | |
| 10pr. | 23.86 | 2.23 | |

4221—4280

| m | 20ᵘ—21ᵘ | +34° | |
|---|---|---|---|
| 9.5 | 53′ 1.0 | 22.7 | |
| 8.8 | 2.2 | 56.7 | Kb |
| 9.5 | 4.6 | 23.6 | |
| 9.2 | 16.6 | 53.2 | |
| 9.5 | 18.7 | 7.8 | |
| 8.8 | 22.7 | 59.8 | |
| 8.8 | 23.1 | 1.0 | |
| 9.5 | 25.9 | 1.5 | |
| 8.4 | 35.2 | 54.7 | |
| 9.3 | 50.7 | 54.7 | |
| 9.5 | 53.8 | 5.3 | |
| 9.4 | 56.5 | 39.4 | |
| 8.8 | 54 12.0 | 11.5 | |
| 9.4 | 30.4 | 35.0 | |
| 8.3 | 30.9 | 39.9 | |
| 9.5 | 38.7 | 5.6 | |
| 9.0 | 43.5 | 47.1 | |
| 8.7 | 58.4 | 48.3 | B |
| 9.4 | 55 1.9 | 44.8 | |
| 9.5 | 34.3 | 19.6 | |
| 9.2 | 40.1 | 0.2 | α |
| 9.5 | 47.8 | 49.7 | |
| 8.9 | 50.4 | 12.7 | |
| 9.4 | 56 4.0 | 17.6 | |
| 9.5 | 11.5 | 43.8 | |
| 8.6 | 23.6 | 12.7 | K |
| 9.3 | 31.8 | 16.2 | |
| 8.5 | 44.1 | 46.8 | |
| 9.4 | 55.8 | 58.1 | |
| 9.5 | 56.2 | 15.9 | |
| 9.3 | 59.0 | 50.9 | |
| 8.2 | 57 8.4 | 27.9 | K |
| 9.2 | 9.3 | 58.5 | |
| 8.6 | 22.0 | 24.8 | K |
| 9.0 | 27.2 | 16.2 | K |
| 9.1 | 47.7 | 32.3 | |
| 8.4 | 58 10.9 | 54.3 | B |
| 9.3 | 12.1 | 46.1 | αB |
| 9.3 | 14.8 | 39.9 | Bb |
| 9.4 | 30.4 | 26.6 | |
| 9.2 | 31.5 | 37.4 | K |
| 9.3 | 36.4 | 35.4 | α |
| 9.5 | 48.3 | 28.5 | |
| 9.0 | 56.0 | 56.1 | K |
| 9.4 | 59.7 | 57.2 | α |
| 9.3 | 59.7 | 17.1 | |
| 7.6 | 59 7.2 | 51.2 | K |
| 9.5 | 12.3 | 22.0 | |
| 9.5 | 16.2 | 10.2 | |
| 9.0 | 18.7 | 6.2 | B |
| 9.3 | 25.5 | 36.1 | |
| 9.3 | 28.2 | 50.9 | |
| 9.0 | 28.6 | 1.9 | |
| 7.9 | 34.7 | 14.1 | B |
| 9.2 | 35.9 | 6.7 | B |
| 9.4 | 48.0 | 58.6 | |
| 8.3 | 58.2 | 45.5 | L |
| 9.5 | 0 3.6 | 24.9 | B |
| 9.5 | 5.3 | 58.8 | |
| 9.5 | 17.3 | 2.2 | |
| | + | + | |
| 10pr. | 24.13 | 2.33 | |

4281—4340

| m | 21ᵘ | +34° | |
|---|---|---|---|
| 9.5 | 0′ 19.5 | 15.1 | |
| 9.2 | 38.3 | 11.1 | |
| 9.5 | 40.2 | 0.8 | |
| 9.1 | 42.3 | 7.9 | |
| 8.3 | 52.0 | 19.9 | |
| 9.5 | 1 15.0 | 31.7 | |
| 9.5 | 27.1 | 5.3 | |
| 9.5 | 30.2 | 9.3 | |
| 9.4 | 47.0 | 42.3 | |
| 9.5 | 58.5 | 47.6 | |
| 9.3 | 2 9.4 | 44.1 | |
| 9.5 | 17.3 | 14.0 | |
| 9.5 | 22.3 | 17.7 | |
| 8.2 | 22.8 | 45.4 | Lb |
| 9.5 | 32.3 | 5.4 | |
| 9.3 | 37.0 | 9.6 | αB |
| 9.5 | 51.4 | 17.0 | |
| 9.5 | 51.6 | 53.7 | |
| 9.5 | 53.7 | 2.9 | |
| 9.2 | 56.2 | 11.1 | |
| 9.5 | 3 10.9 | 8.4 | |
| 9.4 | 16.1 | 41.3 | |
| 7.7 | 16.7 | 27.4 | K |
| 9.5 | 19.0 | 51.9 | |
| 9.5 | 28.3 | 30.5 | |
| 9.1 | 31.4 | 39.5 | b |
| 9.1 | 34.0 | 37.0 | |
| 9.0 | 34.2 | 1.5 | |
| 9.4 | 42.6 | 53.6 | |
| 9.5 | 43.0 | 15.8 | |
| 9.5 | 55.2 | 29.3 | |
| 8.6 | 4 1.4 | 53.8 | |
| 8.0 | 14.3 | 39.5 | K |
| 8.3 | 24.0 | 16.8 | K |
| 9.0 | 26.1 | 43.2 | |
| 9.2 | 36.0 | 43.7 | α |
| 9.5 | 48.4 | 39.3 | |
| 9.5 | 55.0 | 53.3 | |
| 9.5 | 59.1 | 59.7 | |
| 9.2 | 5 3.3 | 6.8 | K |
| 9.5 | 12.2 | 12.7 | |
| 9.2 | 24.6 | 39.9 | |
| 9.3 | 31.0 | 35.5 | |
| 9.0 | 37.2 | 13.4 | |
| 9.5 | 41.5 | 10.8 | |
| 8.3 | 43.8 | 44.4 | |
| 9.5 | 55.9 | 47.6 | |
| 9.4 | 6 16.6 | 18.5 | |
| 9.4 | 19.0 | 45.7 | |
| 9.1 | 24.2 | 22.2 | |
| 9.4 | 30.3 | 45.2 | |
| 8.0 | 41.5 | 49.4 | K |
| 9.5 | 47.2 | 2.6 | |
| 9.5 | 7 6.8 | 3.2 | B |
| 7.8 | 15.3 | 44.6 | K |
| 7.4 | 20.3 | 53.2 | K |
| 8.2 | 30.0 | 19.6 | B |
| 9.5 | 43.4 | 33.7 | |
| 9.4 | 57.2 | 2.1 | |
| 9.5 | 8 0.7 | 22.6 | |
| | + | + | |
| 10pr. | 24.33 | 2.40 | |

4341—4400

| m | 21ᵘ | +34° | |
|---|---|---|---|
| 9.5 | 8′ 3.5 | 28.3 | |
| 8.5 | 11.3 | 12.7 | K |
| 8.5 | 14.1 | 32.0 | |
| 9.2 | 16.4 | 36.2 | |
| 9.5 | 17.8 | 29.7 | |
| 9.3 | 20.4 | 38.2 | |
| 7.8 | 27.3 | 10.3 | K |
| 9.2 | 30.0 | 32.2 | |
| 9.2 | 31.6 | 40.7 | |
| 8.9 | 34.1 | 1.7 | |
| 9.5 | 38.8 | 58.1 | |
| 9.5 | 9 5.0 | 37.2 | |
| 9.5 | 11.8 | 35.0 | |
| 9.2 | 31.1 | 46.1 | |
| 9.3 | 43.4 | 55.3 | |
| 9.3 | 46.3 | 18.9 | B |
| 8.8 | 47.0 | 32.8 | |
| 8.3 | 50.3 | 16.7 | |
| 9.1 | 55.2 | 15.2 | |
| 9.5 | 58.8 | 25.3 | |
| 7.9 | 10 9.5 | 1.8 | L |
| 8.5 | 12.4 | 58.9 | |
| 9.3 | 36.0 | 18.4 | |
| 9.5 | 40.9 | 50.3 | |
| 9.5 | 45.3 | 4.6 | |
| 9.5 | 47.0 | 59.7 | |
| 9.5 | 11 1.3 | 17.2 | |
| 9.4 | 1.3 | 37.7 | |
| 9.5 | 16.2 | 41.9 | |
| 8.0 | 37.1 | 43.1 | |
| 4.2 | 59.0 | 17.4 | Kb |
| 9.4 | 12 17.4 | 25.6 | |
| 8.7 | 21.2 | 18.9 | K |
| 8.5 | 13 6.3 | 18.5 | K |
| 9.0 | 8.6 | 50.4 | |
| 9.4 | 12.0 | 42.0 | |
| 9.3 | 13.4 | 31.9 | αB |
| *9.3 | 21.3 | 29.8 | |
| *9.4 | 44.8 | 44.6 | |
| 9.5 | 46.3 | 25.1 | |
| 9.3 | 52.2 | 52.8 | |
| 8.9 | 14 7.2 | 50.1 | |
| 7.9 | 13.9 | 59.2 | K |
| 9.5 | 29.5 | 45.4 | |
| 9.5 | 35.1 | 18.7 | |
| 9.4 | 40.0 | 52.4 | |
| 9.3 | 15 1.3 | 42.7 | |
| 9.5 | 1.7 | 3.4 | |
| 9.4 | 3.0 | 15.0 | |
| 9.2 | 17.1 | 16.2 | |
| 9.5 | 20.0 | 12.9 | B |
| 9.4 | 29.5 | 4.3 | |
| 8.8 | 48.3 | 10.2 | K |
| 9.0 | 51.3 | 13.4 | |
| 9.2 | 51.8 | 22.5 | |
| 8.8 | 16 6.3 | 48.1 | |
| 9.1 | 7.7 | 28.8 | |
| 9.4 | 23.0 | 32.0 | |
| 9.4 | 41.2 | 58.4 | |
| 9.5 | 51.1 | 1.1 | |
| | + | + | |
| 10pr. | 24.56 | 2.48 | |

4137α
9.5 | 38 49.1 | 23.0

4378α
9.5 | 13 44.3 | 51.0 | α

4401—4460

| m | 21ʰ | +34° | | |
|---|---|---|---|---|
| 9.5 | 17′ 29.3 | 41.1 | | |
| 9.5 | 57.5 | 38.5 | | |
| 8.2 | 58.8 | 32.4 | | B |
| 8.1 | 18 14.1 | 24.5 | | B |
| 8.3 | 15.7 | 21.6 | | B |
| 8.1 | 20.3 | 41.2 | | B |
| 8.9 | 22.4 | 49.4 | | |
| 9.1 | 19 7.5 | 11.0 | | |
| 7.4 | 19.0 | 7.7 | | K |
| 9.4 | 25.6 | 8.3 | | |
| 9.5 | 20 11.1 | 14.0 | | αB |
| 9.5 | 18.5 | 23.6 | | |
| 9.1 | 32.4 | 42.3 | | b |
| 9.5 | 34.0 | 10.2 | | |
| 9.5 | 38.8 | 0.3 | | |
| 9.4 | 50.6 | 20.0 | | |
| 8.8 | 53.1 | 10.1 | | |
| 9.4 | 21 10.3 | 3.9 | | |
| 9.5 | 23.8 | 6.0 | | |
| 9.4 | 44.0 | 6.9 | | |
| 8.9 | 53.2 | 56.7 | | |
| 6.8 | 53.8 | 46.9 | | K |
| 9.1 | 22 10.1 | 6.9 | | |
| 9.3 | 19.3 | 9.1 | | |
| 9.1 | 19.8 | 11.6 | | |
| 9.5 | 48.2 | 43.4 | | |
| 9.4 | 50.3 | 18.3 | | |
| 9.5 | 54.7 | 16.0 | | |
| 9.3 | 23 9.6 | 20.9 | | αB |
| 9.5 | 12.9 | 51.9 | | |
| 7.8 | 13.8 | 20.4 | | K |
| 9.2 | 16.1 | 49.1 | | αB |
| 9.5 | 29.1 | 0.3 | | |
| 9.0 | 30.7 | 4.5 | | K |
| 9.3 | 31.8 | 26.1 | | |
| 7.0 | 24 5.3 | 50.1 | | Lb |
| 8.4 | 18.9 | 25.4 | | K |
| 9.0 | 25.1 | 2.9 | | |
| *9.5 | 35.8 | 48.1 | | |
| *9.5 | 40.6 | 7.8 | | B |
| 9.4 | 44.2 | 8.0 | | B |
| 9.5 | 44.7 | 1.2 | | |
| 9.5 | 25 5.0 | 46.1 | | |
| 9.5 | 11.9 | 34.2 | | |
| 9.5 | 31.8 | 7.0 | | |
| 9.0 | 32.3 | 55.8 | | Kb |
| 9.3 | 32.3 | 11.3 | | |
| 9.4 | 36.9 | 56.6 | | |
| 9.5 | 46.2 | 14.0 | | |
| 9.5 | 52.0 | 10.0 | | |
| 9.5 | 26 3.0 | 20.3 | | |
| 8.7 | 32.3 | 7.2 | | |
| 9.5 | 47.2 | 34.5 | | |
| 9.3 | 48.8 | 49.7 | | |
| 9.5 | 27 18.9 | 56.9 | | |
| 9.3 | 43.8 | 48.3 | | |
| 9.1 | 58.3 | 51.8 | | b |
| 9.4 | 28 14.0 | 22.1 | | |
| 9.4 | 30.1 | 38.4 | | |
| 9.3 | 31.0 | 24.1 | | |
| | + | + | | |
| 10pr. | 24.91 | 2.59 | | |

4461—4520

| m | 21ʰ | +34° | | |
|---|---|---|---|---|
| 7.8 | 29′ 9.9 | 33.0 | | K |
| 7.7 | 14.3 | 10.9 | | L |
| 8.5 | 27.2 | 8.0 | | |
| 9.1 | 30.6 | 15.5 | | |
| *9.4 | 42.5 | 17.2 | | |
| *9.4 | 30 0.0 | 7.0 | | |
| 8.3 | 6.5 | 21.6 | | B |
| 9.0 | 7.0 | 22.7 | | K |
| 9.2 | 23.8 | 28.9 | | |
| 9.5 | 54.1 | 2.4 | | |
| 8.9 | 31 0.9 | 30.4 | | B |
| 9.3 | 10.4 | 30.0 | | |
| 6.5 | 16.7 | 41.5 | | B |
| 8.9 | 36.7 | 6.3 | | |
| 9.5 | 51.8 | 54.1 | | |
| 9.5 | 51.8 | 49.4 | | |
| 9.1 | 32 19.0 | 16.5 | | |
| 9.5 | 36.4 | 24.3 | | |
| 9.5 | 45.3 | 49.9 | | αB |
| 9.5 | 50.2 | 54.2 | | |
| 9.4 | 53.5 | 19.7 | | |
| 9.4 | 33 2.7 | 15.2 | | |
| 9.5 | 13.8 | 12.5 | | |
| 9.4 | 18.2 | 58.5 | | |
| 9.4 | 53.0 | 8.3 | | |
| 8.9 | 34 1.7 | 2.9 | | |
| 9.4 | 4.3 | 41.0 | | |
| 9.1 | 8.4 | 45.1 | | b |
| 9.5 | 13.6 | 5.8 | | |
| 9.4 | 17.7 | 54.7 | | |
| 9.0 | 54.9 | 6.6 | | |
| 8.0 | 55.3 | 25.8 | | B |
| 6.6 | 55.7 | 0.8 | | K |
| 9.3 | 35 2.2 | 27.3 | | |
| 8.5 | 13.5 | 2.2 | | K |
| 8.5 | 14.2 | 46.9 | | |
| 8.3 | 29.2 | 11.3 | | |
| 9.1 | 30.0 | 42.9 | | αB |
| 9.1 | 34.2 | 24.9 | | |
| 6.2 | 54.5 | 51.0 | | K |
| 9.5 | 36 43.5 | 56.1 | | |
| 9.1 | 37 16.6 | 5.2 | | |
| 9.5 | 16.6 | 16.2 | | B |
| 9.5 | 25.0 | 48.0 | | |
| 9.3 | 31.7 | 5.1 | | |
| 9.4 | 32.4 | 46.3 | | αB |
| 8.5 | 48.6 | 15.1 | | K |
| 9.3 | 58.7 | 21.0 | | |
| 9.1 | 38 8.0 | 36.8 | | B |
| 9.5 | 11.4 | 13.1 | | |
| 8.5 | 12.5 | 35.5 | | K |
| 8.5 | 17.1 | 56.4 | | K |
| 9.2 | 35.1 | 25.2 | | αB |
| 9.5 | 39 3.4 | 53.8 | | |
| 9.4 | 30.5 | 28.2 | | |
| 9.2 | 35.1 | 7.0 | | αB |
| 9.0 | 47.0 | 20.0 | | |
| 9.5 | 59.3 | 14.5 | | |
| 9.5 | 59.3 | 53.9 | | |
| 9.5 | 40 3.5 | 25.2 | | |
| | + | + | | |
| 10pr. | 25.27 | 2.69 | | |

4521—4580

| m | 21ʰ | +34° | | |
|---|---|---|---|---|
| 9.5 | 40′ 32.9 | 5.1 | | |
| 9.3 | 47.5 | 2.0 | | α |
| 9.3 | 54.9 | 35.5 | | |
| 9.3 | 41 7.6 | 10.0 | | α |
| 9.2 | 12.5 | 13.0 | | |
| 9.0 | 17.3 | 49.7 | | |
| 9.2 | 22.1 | 53.0 | | |
| 9.5 | 22.4 | 9.7 | | B |
| 9.5 | 24.4 | 7.0 | | |
| 8.3 | 46.9 | 49.4 | | K |
| 9.5 | 42 29.4 | 23.0 | | |
| 9.2 | 38.2 | 50.0 | | |
| 9.4 | 39.4 | 45.2 | | |
| 9.5 | 58.2 | 54.3 | | |
| 9.4 | 58.7 | 59.7 | | |
| 9.3 | 43 4.2 | 10.6 | | αB |
| 9.5 | 6.4 | 37.3 | | |
| 9.5 | 21.9 | 13.1 | | |
| 9.5 | 26.0 | 51.8 | | |
| 7.5 | 36.5 | 14.6 | | L |
| 9.5 | 50.5 | 25 2 | | |
| 7.7 | 53.1 | 8.2 | | K |
| 9.4 | 44 6.4 | 23.8 | | |
| 9.3 | 7.0 | 10.2 | | αB |
| 9.4 | 45 18.8 | 22.0 | | |
| 9.0 | 22.7 | 40.2 | | |
| 8.9 | 28.9 | 44.1 | | |
| 9.3 | 42.3 | 40.8 | | |
| 9.0 | 55.9 | 53.1 | | |
| 9.5 | 46 16.6 | 55.7 | | |
| 8.7 | 18.6 | 30.0 | | B |
| 9.5 | 47 0.7 | 43.0 | | |
| 9.5 | 19.6 | 57.0 | | |
| 9.4 | 33.6 | 23.0 | | |
| 9.4 | 42.0 | 21.8 | | |
| 9.0 | 42.2 | 10.8 | | |
| 8.2 | 50.0 | 31.9 | | B |
| 9.5 | 54.5 | 29.1 | | |
| 8.7 | 54.6 | 8.3 | | B |
| 9.4 | 48 0.0 | 26.7 | | |
| 9.5 | 1.3 | 16.2 | | |
| 8.8 | 2.6 | 4.8 | | |
| 6.8 | 42.7 | 5.7 | | K |
| 9.0 | 48.3 | 25.9 | | |
| 9.2 | 49 5.8 | 25.5 | | |
| 7.0 | 19.9 | 16.5 | | K |
| 7.8 | 22.8 | 23.1 | | K |
| 9.4 | 26.7 | 20.5 | | |
| 9.5 | 52.4 | 2.0 | | |
| 9.0 | 50 53.8 | 25.1 | | K |
| 8.3 | 58.7 | 38.6 | | Kb |
| 9.4 | 51 12.6 | 50.7 | | |
| 8.2 | 43.3 | 0.4 | | K |
| 9.5 | 50.2 | 56.9 | | |
| 9.4 | 52.7 | 29.2 | | |
| 9.5 | 55.7 | 4.5 | | |
| 9.5 | 52 4.3 | 33.4 | | |
| 9.3 | 59.4 | 43.5 | | |
| 8.9 | 53 0.2 | 36.2 | | |
| 9.0 | 21.3 | 59.3 | | Kb |
| | + | + | | |
| 10pr. | 25.66 | 2.79 | | |

4581—4640

| m | 21ʰ—22ʰ | +34° | | |
|---|---|---|---|---|
| 9.4 | 53′ 36.9 | 0.3 | | |
| 9.3 | 54 1.9 | 16.9 | | αB |
| 9.5 | 20.0 | 59.3 | | |
| 8.3 | 42.0 | 35.9 | | K |
| 9.3 | 52.3 | 34.7 | | αF |
| 9.5 | 55 2.4 | 29.7 | | |
| 9.5 | 10.0 | 0.9 | | |
| 9.5 | 15.5 | 3.0 | | |
| 8.6 | 40.2 | 36.0 | | K |
| 9.3 | 49.6 | 55.0 | | |
| 9.5 | 56 21.3 | 53.8 | | |
| 9.5 | 22.4 | 3.6 | | |
| 8.3 | 36.6 | 33.1 | | K |
| 9.5 | 51.4 | 13.4 | | |
| 9.4 | 57 39.4 | 15.4 | | |
| 9.1 | 58 1.8 | 28.9 | | Kb |
| 8.5 | 59 23.7 | 39.0 | | |
| 9.2 | 27.7 | 13.0 | | b |
| 9.5 | 51.8 | 38.6 | | |
| 9.2 | 0 9.2 | 44.8 | | |
| 8.0 | 52.9 | 54.8 | | Kb |
| 8.9 | 1 7.4 | 14.2 | | |
| 9.3 | 11.0 | 53.4 | | |
| 9.5 | 36.0 | 5.7 | | |
| 9.4 | 49.2 | 44.9 | | B |
| 9.5 | 2 19.6 | 39.2 | | |
| 9.0 | 23.1 | 52.4 | | |
| 9.2 | 46.8 | 28.7 | | |
| 9.5 | 52.9 | 17.2 | | |
| 7.5 | 3 1.6 | 23.8 | | K |
| 8.0 | 9.3 | 39.7 | | K |
| 9.5 | 10.9 | 56.3 | | |
| 9.3 | 35.2 | 53.8 | | |
| 6.8 | 45.3 | 29.9 | | K |
| 9.5 | 4 8.8 | 32.7 | | |
| 8.8 | 34.3 | 24.8 | | K |
| 9.5 | 54.5 | 51.0 | | B |
| 9.5 | 5 20.2 | 39.3 | | |
| 8.5 | 6 1.1 | 4.2 | | K |
| 8.8 | 17.3 | 17.9 | | |
| 9.4 | 20.0 | 57.0 | | |
| 9.5 | 25.6 | 44.1 | | B |
| 9.3 | 26.5 | 29.6 | | |
| 9.3 | 46.5 | 7.8 | | B |
| 9.3 | 55.6 | 15.0 | | |
| 9.4 | 57.0 | 11.8 | | |
| 9.5 | 7 7.7 | 19.2 | | |
| 9.5 | 31.4 | 6.3 | | B |
| 9.5 | 41.6 | 41.7 | | |
| 9.5 | 54.0 | 12.6 | | |
| 9.0 | 8 14.9 | 54.6 | | |
| 9.5 | 23.1 | 15.6 | | |
| 9.2 | 53.5 | 5.6 | | αB |
| 9.2 | 57.4 | 4.0 | | |
| 8.8 | 9 2.0 | 10.8 | | |
| 9.2 | 2.8 | 6.5 | | |
| 8.6 | 12.9 | 23.4 | | |
| 8.1 | 18.8 | 49.3 | | Lb |
| 9.2 | 23.2 | 4.9 | | |
| 9.3 | 34.7 | 50.3 | | |
| | + | + | | |
| 10pr. | 26.23 | 2.91 | | |

4641—4700

| m | 22ʰ | +34° | | |
|---|---|---|---|---|
| 9.1 | 9′ 51.9 | 6.3 | | |
| 9.0 | 10 7.4 | 36.2 | | |
| 9.5 | 11.5 | 20.0 | | |
| 9.3 | 25.2 | 46.2 | | |
| 8.1 | 34.3 | 39.0 | | L |
| 9.3 | 11 31.1 | 58.9 | | |
| 9.5 | 43.6 | 57.7 | | |
| 8.9 | 12 5.7 | 25.8 | | K |
| 9.2 | 5.9 | 4.5 | | |
| 9.0 | 23.6 | 34.5 | | |
| 9.5 | 13 4.2 | 4.3 | | |
| 9.5 | 19.6 | 52.8 | | |
| 8.5 | 31.6 | 33.0 | | B |
| 9.1 | 42.6 | 8.0 | | |
| 9.5 | 53.0 | 28.0 | | |
| 9.5 | 14 4.3 | 41.8 | | |
| 7.4 | 4.6 | 24.9 | | Kb |
| 9.4 | 14.0 | 16.5 | | |
| 9.5 | 27.7 | 56.0 | | |
| 9.3 | 33.4 | 53.6 | | αB |
| 9.5 | 52.6 | 21.7 | | |
| 9.3 | 15 2.6 | 28.9 | | |
| 8.4 | 4.4 | 10.2 | | K |
| 8.5 | 21.1 | 59.9 | | |
| 9.5 | 53.7 | 4.5 | | |
| 9.2 | 55.2 | 0.7 | | αB |
| 9.5 | 16 12.2 | 43.5 | | |
| 9.1 | 18.4 | 34.5 | | |
| 9.1 | 33.0 | 17.3 | | αB |
| 8.6 | 49.3 | 16.5 | | K |
| 9.4 | 17 8.8 | 50.0 | | |
| 7.8 | 29.0 | 23.0 | | B |
| 9.5 | 54.1 | 1.2 | | |
| 7.1 | 59.3 | 42.0 | | B |
| 8.7 | 18 10.5 | 51.3 | | |
| 9.5 | 20.6 | 29.3 | | |
| 9.5 | 43.7 | 6.2 | | |
| 8.9 | 53.9 | 27.5 | | |
| 9.4 | 56.8 | 51.8 | | |
| 9.0 | 19 5.4 | 58.4 | | |
| 8.4 | 23.6 | 37.2 | | K |
| 9.4 | 34.0 | 3.3 | | |
| 9.4 | 40.5 | 50.7 | | B |
| 8.7 | 48.1 | 57.5 | | |
| 9.5 | 20 28.2 | 48.2 | | |
| 8.8 | 33.7 | 40.0 | | K |
| 9.5 | 42.6 | 53.1 | | |
| 9.0 | 48.0 | 34.1 | | K |
| 9.4 | 48.2 | 10.8 | | |
| 8.8 | 21 5.0 | 0.8 | | |
| 8.8 | 16.1 | 47.6 | | K |
| 9.5 | 28.4 | 39.8 | | |
| 9.5 | 47.7 | 49.2 | | |
| 9.3 | 47.8 | 33.8 | | B |
| 9.5 | 22 11.4 | 29.8 | | |
| 9.5 | 23.5 | 36.5 | | |
| 9.5 | 26.9 | 41.5 | | |
| 9.1 | 39 3 | 17.9 | | |
| 9.2 | 23 8.9 | 10.3 | | K |
| 6.5 | 14.5 | 59.4 | | K |
| | + | + | | |
| 10pr. | 26.73 | 3.01 | | |

4439ᵃ

| | | | | |
|---|---|---|---|---|
| 9.6 | 24 36.0 | 7.9 | | B |

4465ᵃ

| | | | | |
|---|---|---|---|---|
| 9.2 | 29 49.9 | 6.7 | | |

| 4701—4760 | | | | 4761—4820 | | | | 4821—4880 | | | | 4881—4940 | | | | 4941—5000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵘ | | +34° | | 22ᵘ | | +34° | | 22ᵘ—23ᵘ | | +34° | | 23ᵘ | | +34° | | 23ᵘ | | +34° |
| m | | ′ | ″ | m | | ′ | ″ | m | | ′ | ″ | m | | ′ | ″ | m | | ′ | ″ |
| 8.7 | 23 | 15.1 | 26.0 | 9.5 | 37 | 53.5 | 53.3 | 9.2 | 55 | 18.9 | 28.4 | 9.4 | 8 | 26.9 | 37.7 | 9.0 | 23 | 46.1 | 47.3 |
| 9.5 | | 34.8 | 9.2 | 9.3 | 38 | 1.0 | 8.9 | 9.5 | | 26.8 | 20.2 | 9.5 | | 57.5 | 14.1 | 9.5 | 24 | 14.7 | 25.5 |
| 9.5 | | 36.5 | 3.9 | 9.5 | | 19.1 | 41.2 | 9.1 | | 31.0 | 0.3 | 6.6 | 9 | 2.9 | 36.6 K | 9.5 | | 22.6 | 55.7 |
| 9.4 | | 47.3 | 27.7 | 9.3 | | 30.5 | 52.0 | 9.1 | | 35.7 | 39.6 | 9.2 | | 12.1 | 53.9 | 9.3 | | 29.4 | 55.5 |
| 9.5 | 24 | 24.2 | 57.9 | 9.3 | 39 | 15.4 | 3.2 B | 9.5 | | 53.8 | 48.0 | 9.4 | | 14.8 | 29.4 | 9.0 | | 34.6 | 36.9 |
| 9.5 | | 58.3 | 51.8 | 7.5 | | 19.8 | 54.6 Kb | 9.5 | 56 | 2.1 | 44.5 | 8.8 | | 20.3 | 25.5 | 9.5 | | 41.2 | 23.0 |
| 9.1 | 25 | 4.5 | 24.5 b | 9.2 | | 21.4 | 1.0 B | 9.3 | | 16.3 | 15.6 | 8.3 | | 50.1 | 9.9 L | 7.8 | 25 | 14.5 | 31.7 K |
| 9.5 | | 29.4 | 44.2 | 9.5 | | 49.6 | 24.2 | 9.4 | 57 | 4.3 | 24.0 | 9.4 | 10 | 4.0 | 55.9 | 6.5 | | 17.6 | 10.0 K |
| 9.5 | | 54.7 | 29.8 | 9.0 | 40 | 3.5 | 18.3 | 9.4 | | 19.4 | 29.8 | 9.3 | | 11.6 | 1.3 | 9.4 | | 35.4 | 44.4 αB |
| 9.3 | | 57.2 | 14.9 | 8.3 | | 5.6 | 39.8 K | 9.2 | | 45.5 | 13.9 | 9.5 | | 14.9 | 47.7 | 9.5 | | 43.8 | 49.7 |
| 9.2 | 26 | 1.3 | 9.4 | 8.8 | | 57.2 | 55.3 K | 9.2 | | 58.1 | 32.8 B | 9.5 | | 52.8 | 55.1 | 8.2 | 26 | 0.3 | 45.1 K |
| 9.5 | | 15.4 | 52.8 | 9.5 | 42 | 6.1 | 36.3 | 9.5 | 58 | 0.8 | 8.1 | 9.5 | | 57.9 | 46.9 | 9.5 | | 11.8 | 51.6 |
| 9.5 | | 17.0 | 8.1 | 8.4 | | 48.6 | 44.0 K | 9.3 | | 5.0 | 18.3 | 9.5 | 11 | 3.8 | 20.5 | 9.2 | | 31.7 | 25.6 |
| 7.5 | | 24.2 | 41.6 L | 9.2 | 43 | 5.2 | 4.3 | 9.0 | | 8.2 | 16.8 | 9.5 | | 20.8 | 20.7 | 9.5 | 27 | 42.3 | 41.8 |
| 9.5 | | 25.9 | 7.1 | 7.3 | | 35.6 | 18.6 K | 9.5 | | 19.8 | 9.2 | 9.5 | | 34.7 | 9.6 | 8.8 | | 54.4 | 24.2 |
| 9.5 | | 50.3 | 24.0 | 8.5 | 44 | 21.9 | 55.3 Kb | 9.5 | | 54.0 | 0.3 | 9.5 | | 37.4 | 34.3 | 9.4 | | 57.4 | 56.6 K |
| 9.5 | | 56.2 | 46.4 | 9.2 | | 41.3 | 10.2 | 9.5 | | 56.6 | 31.9 | 9.5 | | 38.9 | 1.4 | 9.5 | 28 | 3.9 | 6.8 |
| 9.5 | 27 | 45.8 | 29.7 | 8.2 | 45 | 23.9 | 47.2 K | 7.3 | | 56.9 | 29.2 K | 9.4 | | 48.3 | 32.7 B | 8.8 | | 21.6 | 53.9 K |
| 9.1 | | 55.5 | 57.3 Kb | 9.4 | | 25.1 | 40.5 | 9.5 | | 59.7 | 24.0 | 6.4 | 12 | 26.6 | 0.2 K | 8.8 | | 23.6 | 51.2 K |
| 9.4 | 28 | 8.1 | 36.8 | 9.2 | | 34.3 | 25.2 | 9.5 | 59 | 14.6 | 13.2 | 9.5 | | 27.3 | 43.5 | 9.0 | | 53.8 | 18.0 |
| 9.5 | | 17.7 | 6.3 | 7.2 | | 48.3 | 34.3 K | 8.7 | | 32.6 | 59.1 K | 9.2 | 13 | 11.9 | 47.6 | 9.5 | 29 | 20.0 | 27.1 |
| 9.5 | | 36.8 | 20.5 | 9.5 | 46 | 0.7 | 30.4 | 9.3 | | 54.0 | 37.9 | 9.4 | | 45.5 | 50.6 | 8.4 | | 25.5 | 14.7 B |
| 9.5 | 29 | 0.9 | 18.8 | 9.5 | | 4.6 | 45.7 | 9.2 | | 57.3 | 42.7 | 9.2 | 14 | 5.5 | 23.4 b | 9.2 | | 39.6 | 7.7 |
| 9.5 | | 6.7 | 5.4 | 9.5 | | 44.8 | 11.6 | 7.3 | 0 | 9.8 | 15.8 L | 8.3 | | 11.8 | 39.0 S | 8.3 | | 44.8 | 26.6 K |
| 9.5 | | 14.1 | 40.2 | 9.5 | | 45.6 | 31.4 | 9.5 | | 10.2 | 30.4 | 9.5 | 15 | 7.2 | 8.7 | 9.4 | | 49.1 | 8.2 |
| 9.0 | | 20.3 | 34.4 | 9.4 | | 58.7 | 2.7 | 9.4 | | 11.0 | 18.8 | 9.5 | | 34.5 | 15.1 | 8.0 | | 52.9 | 58.7 Kb |
| 9.5 | | 27.8 | 22.3 | 9.5 | 47 | 24.2 | 53.4 | 6.5 | | 12.4 | 50.9 K | 8.5 | | 50.8 | 7.2 K | 9.5 | 30 | 36.9 | 19.5 |
| 6.3 | | 34.5 | 50.2 L | 9.4 | | 56.2 | 17.1 | 9.5 | 1 | 5.8 | 25.7 | 9.5 | | 56.4 | 58.3 | 8.7 | | 45.6 | 46.0 K |
| 6.5 | 30 | 14.2 | 54.4 Kb | 9.5 | 48 | 6.1 | 26.4 | 7.9 | | 32.4 | 16.1 K | 9.5 | 16 | 12.5 | 54.9 | 9.5 | | 45.8 | 53.3 |
| 8.5 | | 15.9 | 23.6 K | 8.8 | | 21.7 | 39.5 K | 9.5 | | 59.2 | 7.0 | 9.4 | | 23.7 | 3.3 | 9.0 | 31 | 2.9 | 47.4 |
| 8.4 | | 36.0 | 10.3 | 9.5 | | 29.5 | 28.0 | 9.0 | 2 | 24.0 | 0.8 | 9.5 | | 28.5 | 51.7 | 8.7 | | 15.3 | 43.6 K |
| 9.5 | | 40.3 | 59.2 | 9.3 | | 36.6 | 22.5 | 9.5 | | 53.3 | 43.0 | 9.0 | | 29.2 | 35.2 | 6.5 | | 23.3 | 13.2 S |
| 8.7 | 31 | 14.9 | 39.7 K | 9.0 | 49 | 3.0 | 42.3 | 9.5 | 3 | 4.0 | 0.3 | 9.4 | | 39.9 | 10.7 | 7.9 | | 27.2 | 43.3 K |
| 9.5 | | 39.9 | 10.0 | 8.3 | | 13.3 | 25.3 B | 8.7 | | 17.0 | 55.6 | 9.4 | | 49.8 | 38.3 | 9.1 | | 33.3 | 57.6 |
| 9.4 | | 43.5 | 14.3 | 9.5 | | 13.5 | 45.8 | 9.4 | | 17.3 | 52.4 | 9.0 | | 50.1 | 8.2 K | 8.5 | | 41.9 | 27.0 K |
| 9.2 | 32 | 6.2 | 45.5 | 9.4 | | 15.7 | 5.5 | 8.4 | | 25.9 | 10.9 K | 7.0 | 17 | 11.5 | 32.1 K | 9.1 | | 56.8 | 46.7 |
| 9.0 | | 31.4 | 5.7 | 8.0 | | 22.9 | 55.4 Kb | 9.3 | | 49.9 | 46.8 αB | 9.0 | | 12.4 | 42.4 | 9.5 | 32 | 12.9 | 20.4 |
| 9.1 | | 39.7 | 1.8 | 9.5 | | 43.7 | 57.6 | 9.4 | | 52.8 | 2.6 | 9.5 | | 40.6 | 58.7 B | 9.5 | | 20.8 | 20.8 |
| 8.9 | | 48.9 | 39.5 K | 9.5 | 50 | 14.5 | 53.1 | 9.5 | 4 | 18.5 | 32.2 | 9.4 | | 47.4 | 33.0 | 7.2 | | 38.5 | 8.8 K |
| 9.1 | 33 | 1.2 | 26.3 K | 7.6 | | 20.1 | 8.2 K | 9.1 | | 24.4 | 51.0 | 9.1 | | 56.9 | 28.4 b | 9.4 | | 40.3 | 40.8 B |
| 9.5 | | 35.0 | 5.0 | 9.3 | | 35.6 | 40.8 | 8.6 | | 25.3 | 16.4 | 9.5 | 18 | 6.5 | 10.1 | 9.5 | | 55.3 | 28.3 |
| 8.5 | | 39.9 | 48.8 K | 8.8 | | 41.8 | 29.4 | 9.4 | | 53.0 | 8.8 | 9.4 | | 15.7 | 40.0 | 8.9 | | 56.0 | 41.1 B |
| 9.2 | 34 | 0.7 | 26.2 K | 9.2 | | 53.9 | 47.1 | 9.5 | | 55.0 | 55.2 | 9.5 | | 26.9 | 46.2 | 9.5 | 33 | 21.6 | 17.0 |
| 9.1 | | 1.4 | 47.9 | 9.1 | | 55.6 | 49.4 | 8.9 | 5 | 5.0 | 55.2 K | 9.5 | | 31.7 | 57.6 | 9.5 | | 21.6 | 53.2 |
| 9.2 | | 9.6 | 24.8 | 9.5 | | 55.7 | 12.1 | 9.5 | | 22.3 | 16.1 | 9.5 | | 43.7 | 57.6 | 9.5 | | 22.3 | 46.7 |
| 9.2 | | 38.0 | 42.5 K | 9.0 | 51 | 26.4 | 32.9 | 9.3 | | 23.1 | 45.2 | 9.4 | | 50.3 | 17.1 αB | 9.5 | 34 | 24.4 | 29.4 |
| 9.5 | | 51.3 | 43.9 α | 7.0 | | 38.7 | 30.6 K | 9.0 | | 25.1 | 8.7 | 9.0 | 19 | 0.3 | 8.2 | 9.5 | | 30.6 | 54.0 |
| 9.5 | 35 | 1.1 | 33.1 | 8.5 | | 44.8 | 2.4 Kb | 9.4 | | 33.0 | 45.9 | 9.5 | 20 | 3.4 | 32.9 | 9.5 | | 34.3 | 59.8 |
| 9.5 | | 4.7 | 54.0 | 9.4 | | 57.8 | 37.7 | 8.9 | | 45.9 | 56.5 K | 9.3 | | 7.1 | 53.9 | 9.5 | | 47.7 | 31.1 |
| 9.0 | | 12.8 | 58.0 Kb | 9.5 | 52 | 29.1 | 24.2 | 8.4 | 6 | 29.6 | 58.4 Kb | 9.5 | | 14.9 | 56.1 | 9.1 | 35 | 8.9 | 6.3 b |
| 9.5 | | 23.0 | 7.5 | 9.4 | | 33.9 | 19.7 | 9.2 | | 39.4 | 22.9 αB | 9.4 | | 17.0 | 36.6 | 9.5 | | 28.3 | 16.6 |
| 8.8 | | 24.8 | 41.6 K | 9.5 | | 38.1 | 35.8 | 9.5 | | 42.3 | 17.9 | 9.4 | | 24.1 | 52.6 | 9.4 | 36 | 8.8 | 8.7 |
| 8.3 | | 33.6 | 20.8 L | 9.4 | | 47.9 | 37.8 | 8.4 | 7 | 2.4 | 32.9 K | 9.5 | | 43.3 | 52.4 | 9.5 | | 29.2 | 1.7 |
| 9.4 | | 42.8 | 53.6 B | 9.5 | 53 | 11.3 | 20.8 | 9.4 | | 11.4 | 42.0 | 9.5 | | 54.1 | 54.6 | 9.5 | | 41.8 | 11.8 |
| 8.6 | | 49.8 | 55.4 B | 9.0 | | 23.1 | 8.5 | 7.5 | | 35.5 | 13.3 K | 9.5 | 21 | 28.3 | 42.0 | 9.5 | | 45.3 | 51.8 |
| 9.0 | 36 | 5.3 | 43.3 | 9.5 | | 29.6 | 12.0 | 9.5 | | 39.0 | 18.1 | 8.9 | 22 | 0.0 | 41.7 | 9.0 | 37 | 8.4 | 7.0 |
| 8.0 | | 24.6 | 34.2 K | 8.1 | | 36.4 | 59.9 Kb | 8.5 | | 52.5 | 9.9 K | 9.4 | | 34.8 | 19.6 | 9.2 | | 23.8 | 5.9 |
| 9.5 | 37 | 0.2 | 57.9 | 9.0 | 54 | 5.1 | 35.3 | 8.4 | | 57.4 | 41.8 | 7.3 | | 48.0 | 12.3 K | 9.3 | 38 | 3.3 | 31.5 |
| 9.5 | | 32.8 | 34.0 | 9.3 | | 40.8 | 29.6 | 9.5 | 8 | 0.9 | 13.8 | 9.0 | | 56.1 | 39.0 | 9.5 | | 29.8 | 39.1 |
| 9.5 | | 41.9 | 55.8 | 9.0 | | 57.4 | 42.4 | 9.5 | | 20.9 | 47.6 | 9.5 | 23 | 20.5 | 52.5 | 9.2 | | 33.3 | 11.9 K |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + |
| 10pr. | | 27.23 | 3.09 | 10pr. | | 27.90 | 3.18 | 10pr. | | 28.43 | 3.24 | 10pr. | | 28.98 | 3.28 | 10pr. | | 29.57 | 3.31 |

| 5001—5014 | | | | | 5015—5028 | | | | | 5029—5042 | | | | | 5043—5056 | | | | | 5057—5067 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | | +34° | | | 23ʰ | | +34° | | | 23ʰ | | +34° | | | 23ʰ | | +34° | | | 23ʰ | | +34° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 38 | 41.3 | 11.5 | a | 9.3 | 42 | 28.7 | 18.3 | | 7.3 | 45 | 57.8 | 49.8 | L | 9.2 | 53 | 16.2 | 45.8 | | 9.5 | 56 | 13.3 | 26.0 | |
| 8.9 | | 52.1 | 27.0 | b | 7.4 | | 48.4 | 57.8 | K | 9.5 | 46 | 37.8 | 37.4 | | 9.1 | | 22.5 | 46.8 | | 9.5 | | 47.3 | 9.8 | |
| 9.4 | | 57.3 | 35.0 | | 9.1 | 43 | 2.8 | 20.1 | b | 9.5 | 47 | 24.3 | 6.3 | | 9.1 | | 27.2 | 56.8 | aB | 8.6 | 57 | 13.2 | 58.4 | |
| 9.5 | 39 | 35.3 | 51.5 | | 9.5 | | 8.7 | 13.2 | | 9.5 | | 39.5 | 1.7 | | 8.5 | | 31.8 | 30.5 | K | 8.9 | | 15.9 | 6.1 | |
| 9.5 | | 37.6 | 55.2 | aB | 9.4 | | 16.7 | 46.3 | | 9.5 | 49 | 28.4 | 11.5 | | 8.9 | | 43.7 | 56.4 | B | 7.0 | | 46.3 | 45.7 | K |
| 9.5 | | 42.3 | 59.5 | | 8.9 | | 56.1 | 47.0 | | 9.5 | | 36.3 | 21.1 | | 9.5 | 54 | 2.8 | 21.5 | | 9.5 | | 53.3 | 45.0 | |
| 9.5 | | 49.3 | 49.7 | | 9.0 | 44 | 2.0 | 54.6 | K | 9.3 | 50 | 16.5 | 3.8 | | 9.5 | | 3.9 | 4.4 | | 9.5 | 58 | 6.5 | 7.5 | |
| 9.4 | | 54.4 | 27.4 | | 9.5 | | 27.8 | 16.6 | | 9.5 | | 23.0 | 22.2 | | 9.5 | | 29.6 | 51.6 | | 9.1 | | 22.6 | 18.6 | aB |
| 9.5 | | 55.3 | 50.7 | B | 9.4 | | 38.9 | 33.9 | | 8.7 | | 27.5 | 31.5 | Bb | 9.5 | | 29.8 | 45.2 | | 9.4 | | 40.5 | 1.0 | |
| 9.5 | 40 | 11.5 | 27.7 | | 7.0 | 45 | 15.1 | 30.9 | L | 9.4 | | 36.9 | 31.4 | aB | 7.9 | | 56.9 | 1.9 | K | 9.5 | 59 | 31.9 | 56.8 | |
| 9.1 | | 20.9 | 2.0 | | 8.4 | | 25.5 | 8.3 | | 6.6 | | 57.9 | 11.2 | L | 9.2 | 55 | 7.3 | 28.0 | | 8.7 | | 41.8 | 2.9 | K |
| 9.5 | 41 | 38.8 | 46.3 | | 8.9 | | 32.8 | 27.7 | | 9.4 | 51 | 33.9 | 48.8 | | 9.5 | | 10.9 | 37.3 | | | | | | |
| 9.0 | 42 | 8.4 | 51.9 | | 9.5 | | 47.3 | 20.1 | | 9.5 | 52 | 24.8 | 50.8 | | 9.2 | | 22.3 | 51.9 | | | | | | |
| 9.0 | | 17.2 | 48.4 | | 7.5 | | 52.9 | 13.8 | K | 8.5 | | 53.2 | 5.6 | | 9.2 | | 41.8 | 40.9 | | | | | | |
| | | | | | | | | | | | | + | + | | | | | | | | | | | |
| | | | | | | | | | | 10pr. | | 30.30 | 3.34 | | | | | | | | | | | |

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## Zone +35°

| 1—20 | | | | | 21—40 | | | | | 41—60 | | | | | 61—80 | | | | | 81—100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ʰ | | +35° | | | 0ʰ | | +35° | | | 0ʰ | | +35° | | | 0ʰ | | +35° | | | 0ʰ | | +35° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.2 | 0 | 1.0 | 52.1 | | 9.4 | 4 | 25.1 | 19.5 | | 9.5 | 10 | 13.4 | 55.0 | | 9.5 | 15 | 33.0 | 23.0 | | 9.5 | 22 | 23.0 | 59.2 | |
| 9.4 | | 4.6 | 18.4 | | 9.0 | | 28.2 | 6.4 | Kb | 9.2 | | 18.5 | 39.2 | | 9.4 | | 34.6 | 28.7 | | 9.4 | | 23.2 | 50.9 | |
| 8.8 | | 12.9 | 1.5 | K | 8.9 | | 53.2 | 58.3 | | 9.5 | | 28.3 | 56.5 | B | 9.2 | | 37.5 | 52.9 | | 8.6 | | 52.4 | 21.9 | K |
| 9.5 | | 30.5 | 14.6 | | 9.0 | 5 | 5.3 | 52.5 | | 4.5 | | 45.1 | 58.8 | K | 9.5 | 16 | 39.4 | 41.1 | | 9.1 | 23 | 19.9 | 17.7 | |
| 9.4 | | 44.3 | 9.8 | | 9.2 | | 23.7 | 56.5 | | 9.5 | | 54.1 | 31.2 | | 9.4 | 17 | 9.1 | 46.0 | | 9.3 | 24 | 10.3 | 53.3 | |
| 9.4 | | 57.6 | 12.5 | | 9.0 | | 55.6 | 49.1 | K | 8.0 | 11 | 1.7 | 10.8 | K | 8.0 | | 57.5 | 41.0 | K | 9.1 | | 13.9 | 1.2 | |
| 9.3 | 1 | 1.6 | 7.5 | | 7.9 | 6 | 4.6 | 20.9 | K | 9.5 | | 40.6 | 19.4 | | 8.6 | | 58.2 | 58.5 | L | 8.9 | | 14.6 | 9.6 | |
| 6.2 | | 14.1 | 49.3 | K | 9.5 | | 14.7 | 22.5 | | 9.4 | | 57.5 | 7.0 | | 9.3 | 18 | 19.4 | 31.7 | | 9.5 | | 44.0 | 20.2 | |
| 9.5 | | 49.2 | 4.5 | | 9.3 | | 48.3 | 35.4 | | 8.9 | | 59.2 | 47.3 | | 7.4 | | 23.7 | 1.1 | Kb | 9.4 | | 54.5 | 54.5 | |
| 9.4 | 2 | 17.1 | 38.8 | | 8.5 | 7 | 26.1 | 36.5 | L | 9.4 | 12 | 7.0 | 50.0 | | 9.5 | | 31.3 | 10.0 | | 7.6 | 25 | 9.3 | 3.3 | Kb |
| 9.5 | | 48.7 | 19.9 | | 9.5 | | 34.4 | 53.0 | | 8.7 | | 35.4 | 34.4 | | 9.5 | | 58.8 | 22.8 | | 9.4 | | 23.3 | 9.7 | |
| 9.5 | | 54.6 | 38.1 | | 9.1 | 8 | 13.9 | 35.8 | | 8.5 | | 55.7 | 38.1 | K | 9.5 | | 59.2 | 29.2 | | 9.0 | | 35.4 | 49.2 | |
| 9.5 | | 55.0 | 59.6 | | 9.5 | | 21.1 | 27.9 | | 7.1 | 13 | 33.7 | 4.5 | Kb | 9.5 | 19 | 19.7 | 7.7 | | 9.0 | 26 | 20.3 | 48.2 | |
| 9.4 | | 59.1 | 56.5 | | 7.8 | 9 | 10.7 | 40.5 | K | 9.5 | | 35.8 | 47.2 | | 9.5 | | 53.9 | 26.4 | | 9.5 | | 51.4 | 32.7 | |
| 9.3 | 3 | 21.9 | 6.8 | | 7.1 | | 11.2 | 49.6 | L | 8.1 | 14 | 1.2 | 24.7 | B | 9.5 | 20 | 0.3 | 52.1 | | 9.1 | 27 | 9.4 | 43.3 | |
| 9.5 | | 29.3 | 35.7 | | 8.3 | | 12.3 | 19.7 | K | 8.3 | | 1.3 | 26.9 | B | 9.4 | | 15.4 | 35.6 | | 9.5 | | 16.1 | 4.8 | |
| 9.5 | | 53.1 | 58.3 | | 8.9 | | 31.7 | 44.9 | K | 9.4 | | 2.9 | 27.9 | | 9.4 | | 47.6 | 50.4 | | 9.0 | | 36.4 | 47.8 | |
| 8.8 | | 58.4 | 6.7 | K | 9.5 | | 47.0 | 7.1 | | 9.2 | | 11.0 | 46.6 | | 8.9 | 21 | 58.7 | 16.6 | Kb | 8.3 | | 49.3 | 46.8 | L |
| 9.5 | 4 | 1.4 | 38.2 | | 8.5 | | 51.8 | 2.2 | Kb | 9.5 | | 33.8 | 27.2 | | 9.5 | | 58.9 | 17.2 | | 8.5 | | 59.7 | 26.8 | |
| 9.0 | | 1.8 | 42.4 | | 7.7 | | 58.0 | 44.7 | K | 8.8 | 15 | 13.8 | 50.4 | | 9.4 | 22 | 13.7 | 47.4 | | 9.5 | 28 | 3.6 | 42.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 30.83 | 3.34 | | 10pr. | | 31.04 | 3.34 | | 10pr. | | 31.24 | 3.34 | | 10pr. | | 31.50 | 3.33 | | 10pr. | | 31.77 | 3.32 | |

| 101—160 | | | | | 161—220 | | | | | 221—280 | | | | | 281—340 | | | | | 341—400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ᵘ | | +35° | | | 0ᵘ—1ᵘ | +35° | | | | 1ᵘ | +35° | | | | 1ᵘ | +35° | | | | 1ᵘ | +35° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 28 | 53.8 | 29.2 | | 9.3 | 45 | 25.5 | 29.9 | B | 8.2 | 4 | 36.5 | 29.9 | K | 8.3 | 20 | 35.3 | 53.2 | L | 9.4 | 38 | 27.0 | 57.9 | |
| 9.5 | 29 | 5.9 | 56 6 | | 9.3 | | 42.8 | 4.0 | | 9.4 | | 58.1 | 6.7 | | 7.4 | | 55.6 | 52.6 | L | 9.4 | | 30.0 | 40.1 | |
| 9.5 | | 13.8 | 26.5 | | 9.5 | 46 | 27.6 | 32.5 | | 9.0 | | 59.2 | 12.6 | | 9.4 | 21 | 0.3 | 54.6 | | 9.5 | 39 | 31.1 | 35.3 | |
| 9.1 | | 18.6 | 21.8 | | 9.5 | | 49.1 | 40.2 | | 9.5 | 5 | 5.5 | 46.3 | | 9.2 | | 54.8 | 19.9 | K | 9.5 | | 44.8 | 1.7 | |
| 9.4 | | 39.7 | 47.2 | | 9.2 | 47 | 12.1 | 20.2 | | 9.5 | | 22.6 | 56.5 | | 9.1 | 22 | 21.9 | 27.2 | K | 9.0 | | 56.2 | 49.8 | |
| 9.4 | | 41.0 | 24.5 | | 9.5 | | 12.1 | 38.0 | | 9.5 | | 44.9 | 40.0 | | 9.4 | 23 | 17.7 | 30.2 | | 9.4 | 40 | 10.3 | 37.1 | |
| 9.5 | | 59.7 | 4.3 | | 8.6 | | 20.7 | 14.8 | Kb | 9.5 | | 47.7 | 36.2 | | 8.9 | | 29.2 | 20.5 | | 9.1 | | 13.1 | 5.8 | Kb |
| 9.5 | 30 | 20.4 | 24.6 | | 9.5 | | 27.1 | 28.0 | | 8.8 | 6 | 5.5 | 2.1 | | 9.4 | | 31.1 | 17.9 | | 9.3 | 41 | 12.2 | 27.4 | |
| 8.5 | | 54.7 | 4.8 | K | 9.5 | | 44.5 | 34.8 | | 9.5 | | 37.8 | 48.0 | | 9.2 | | 57.7 | 0.3 | Kb | 7.5 | 42 | 17.6 | 20.4 | L |
| 7.8 | | 55.6 | 47.5 | K | 9.1 | 48 | 18.1 | 50.5 | | 9.4 | | 47.4 | 58.0 | | 9.0 | | 59.8 | 38.1 | | 7.3 | | 25.5 | 7.6 | K |
| 9.4 | | 56.4 | 14.2 | | 9.3 | | 31.9 | 6.3 | | 9.5 | 7 | 3.1 | 5.4 | | 9.4 | 24 | 10.7 | 43.7 | | 9.2 | | 27.8 | 31.8 | b |
| 9.5 | 31 | 3.0 | 59.3 | | 9.2 | | 37.5 | 57.3 | | 9.5 | | 11.2 | 54.1 | | 6.5 | | 30.3 | 6.3 | K | 9.3 | | 33.5 | 18.0 | |
| 7.6 | | 47.9 | 59.6 | K | 9.5 | 49 | 27.7 | 39.9 | | 9.3 | | 20.9 | 41.1 | | 9.1 | | 31.1 | 7.0 | K | 8.7 | | 56.0 | 4.1 | K |
| 9.4 | 32 | 14.0 | 30.0 | | 9.4 | | 39.9 | 39.3 | B | 9.5 | | 21.3 | 4.6 | B | 9.5 | | 34.3 | 32.5 | | 8.7 | 43 | 22.8 | 20.7 | K |
| 9.4 | | 18.8 | 18.9 | | 9.5 | 50 | 4.2 | 57.8 | | 9.5 | | 40.9 | 50.1 | | 9.5 | | 53.8 | 51.6 | | 9.5 | 44 | 4.0 | 37.9 | |
| 9.4 | | 39.5 | 33.2 | | 9.1 | | 6.6 | 27.6 | b | 9.0 | 8 | 15.4 | 14.3 | K | 8.2 | 25 | 52.1 | 26.4 | K | 9.5 | | 6.2 | 48.3 | |
| 7.7 | | 42.4 | 39.1 | K | 9.5 | 51 | 36.5 | 9.8 | | 8.5 | | 25.2 | 40.1 | L | 9.4 | | 57.0 | 49.3 | | 9.5 | | 12.4 | 31.7 | |
| 9.5 | | 42.4 | 14.0 | | 9.5 | 52 | 9.0 | 6.5 | | 8.0 | | 33.9 | 33.1 | K | 9.4 | 26 | 7.3 | 17.5 | | 9.5 | | 12.7 | 55.2 | |
| 9.5 | | 42.6 | 7.4 | | 9.2 | | 23.0 | 43.9 | | 9.5 | | 40.9 | 42.9 | | 8.5 | | 23.5 | 22.6 | | 9.5 | | 45.4 | 9.7 | |
| 9.5 | | 46.2 | 10.9 | B | 9.3 | | 27.2 | 7.2 | | 9.4 | 9 | 14.8 | 1.1 | | 8.5 | 27 | 16.1 | 25.6 | B | 9.5 | 45 | 6.3 | 50.5 | |
| 8.2 | | 48.3 | 44.0 | Lb | 7.1 | | 53.9 | 52.7 | B | 9.5 | | 44.0 | 9.3 | | 9.5 | | 23.3 | 14.5 | | 9.5 | | 19.9 | 9.3 | |
| 9.5 | | 57.1 | 14.0 | | 9.4 | 53 | 2.1 | 33.8 | | 9.5 | | 49.9 | 42.8 | | 9.5 | | 38.4 | 21.8 | | 9.5 | | 38.6 | 16.5 | |
| 9.0 | 33 | 16.5 | 25.4 | K | 9.3 | | 14.9 | 27.2 | | 9.5 | | 52.6 | 56.0 | | 7.8 | | 47.6 | 47.6 | K | 9.5 | | 39.2 | 23.9 | |
| 9.4 | | 57.0 | 21.5 | | 7.8 | | 35.1 | 12.7 | K | 9.5 | 10 | 47.3 | 45.2 | | 9.5 | 28 | 5.0 | 10.4 | B | 8.8 | | 39.7 | 50.9 | B |
| 9.5 | 34 | 6.2 | 49.2 | | 9.0 | | 35.8 | 26.2 | B | 9.4 | | 57.1 | 19.2 | | 9.5 | | 16.8 | 11.9 | | 8.7 | | 43.7 | 32.9 | |
| 9.4 | | 27.2 | 27.3 | | 8.9 | 54 | 25.4 | 34.7 | K | 9.3 | 11 | 3.9 | 0.7 | Kb | 9.4 | | 44.5 | 23.6 | | 9.4 | | 55.9 | 43.3 | |
| 9.1 | | 33.1 | 5.0 | | 9.5 | | 41.3 | 45.9 | | 9.5 | | 13.7 | 15.0 | | 9.4 | | 52.9 | 40.3 | | 9.5 | | 57.8 | 27.0 | |
| 9.4 | | 38.7 | 5.3 | | 9.5 | | 42.4 | 39.5 | B | 9.5 | | 39.0 | 22.4 | | 8.0 | 29 | 8.8 | 58.9 | K | *9.5 | 46 | 10.0 | 50.0 | |
| 8.7 | | 41.2 | 32.9 | B | 8.0 | 55 | 0.7 | 45.3 | K | 8.1 | | 54.1 | 53.2 | K | 9.5 | | 15.6 | 36.1 | | 9.5 | | 17.0 | 2.4 | |
| 9.5 | 35 | 27.3 | 50.5 | | 9.2 | | 7.1 | 25.5 | | 9.4 | 12 | 20.0 | 36.8 | | 9.5 | | 40.4 | 9.2 | | 9.5 | | 20.2 | 20.5 | |
| 9.5 | | 30.5 | 48.3 | | 9.5 | | 17.3 | 6.2 | | 8.6 | | 21.4 | 39.7 | Kb | 9.5 | | 40.8 | 33.5 | | 9.4 | | 26.1 | 12.6 | |
| 8.8 | | 33.0 | 20.6 | K | 9.5 | | 29.1 | 26.7 | | 9.5 | 13 | 24.5 | 28.5 | | 9.2 | 30 | 15.9 | 16.2 | b | 8.2 | | 45.1 | 17.3 | B |
| 9.4 | | 54.9 | 17.4 | | 9.3 | | 38.2 | 45.0 | | 9.5 | | 26.4 | 54.8 | | 9.5 | | 43.3 | 7.5 | | 9.5 | | 56.2 | 5.2 | |
| 9.5 | 36 | 12.4 | 26.7 | | 9.0 | | 40.7 | 30.5 | B | 9.5 | | 38.8 | 56.6 | | 7.0 | | 45.6 | 48.3 | L | 8.5 | 47 | 11.0 | 37.9 | |
| 9.5 | | 28.5 | 58.1 | | 9.2 | | 47.6 | 44.3 | | 9.4 | | 58.6 | 18.3 | | 8.8 | | 50.4 | 52.1 | L | 9.5 | | 25.3 | 14.1 | |
| 9.4 | | 39.3 | 0.6 | | 9.3 | | 57.1 | 10.2 | B | 9.0 | | 59.1 | 0.7 | Kb | 8.7 | 31 | 6.4 | 57.6 | L | 8.8 | | 34.1 | 28.0 | |
| 9.0 | | 48.7 | 48.5 | K | 9.5 | 56 | 12.1 | 15.8 | | 9.2 | 14 | 0.0 | 44.2 | | 8.8 | | 13.8 | 27.2 | K | 8.5 | | 39.3 | 20.7 | |
| 9.5 | | 58.8 | 6.3 | | 9.1 | | 19.4 | 31.7 | b | 9.3 | | 16.7 | 19.0 | B | 8.8 | | 18.2 | 29.3 | K | 9.5 | 48 | 12.7 | 16.6 | |
| 9.5 | 37 | 15.9 | 59.8 | | 9.3 | | 21.0 | 11.9 | | 9.0 | | 48.9 | 29.1 | | 8.8 | 32 | 16.7 | 28.2 | K | 8.8 | 49 | 4.9 | 5.0 | K |
| 9.1 | | 42.4 | 56.9 | | 9.5 | 57 | 35.1 | 42.9 | | 6.7 | 15 | 4.1 | 45.4 | L | 8.9 | | 35.7 | 0.3 | K | 9.2 | | 54.7 | 18.8 | K |
| 9.5 | 38 | 4.0 | 46.0 | | 9.5 | 58 | 21.4 | 20.6 | | 9.5 | | 19.7 | 35.7 | | 9.5 | | 49.8 | 45.2 | | 7.8 | | 58.9 | 32.3 | L |
| 9.4 | | 46.6 | 14.4 | | 8.3 | | 33.1 | 37.7 | K | 9.5 | | 21.8 | 16.8 | | 9.5 | 33 | 1.0 | 36.1 | | 7.0 | 50 | 12.3 | 54.0 | L |
| 8.6 | 39 | 19.4 | 51.9 | B | 9.0 | 59 | 4.6 | 56.8 | K | 9.5 | 16 | 4.1 | 34.5 | | 9.1 | | 13.9 | 22.9 | b | 9.5 | | 19.9 | 29.5 | |
| 9.3 | | 55.7 | 8.9 | | 9.2 | | 5.9 | 27.2 | | 9.2 | | 26.5 | 27.7 | | 8.2 | | 14.4 | 49.1 | K | 9.5 | | 37.8 | 48.7 | |
| 7.4 | 40 | 7.7 | 41.8 | B | 9.4 | | 26.1 | 49.0 | | 8.0 | | 28.2 | 19.1 | L | 8.6 | | 17.9 | 50.5 | K | 8.3 | 51 | 44.7 | 34.7 | K |
| 7.4 | | 8.0 | 24.7 | K | 9.3 | | 49.6 | 34.1 | | 8.9 | | 38.1 | 25.8 | | 9.5 | | 35.0 | 28.0 | | 8.7 | | 58.5 | 5.1 | Kb |
| 9.5 | | 50.5 | 16.3 | | 8.8 | | 56.7 | 2.3 | | 9.5 | | 38.2 | 43.7 | | 9.5 | 34 | 2.8 | 36.8 | | 9.3 | 52 | 25.2 | 43.3 | |
| 9.5 | | 53.1 | 23.7 | | 9.4 | 0 | 23.4 | 27.9 | | 9.1 | 17 | 7.0 | 5.0 | Kb | 9.2 | | 5.7 | 13.5 | | 9.5 | 53 | 3.5 | 31.7 | |
| 9.4 | 41 | 8.7 | 8.4 | | 8.9 | | 26.1 | 19.3 | | 8.7 | | 9.6 | 12.9 | K | 9.5 | | 16.5 | 50.7 | | 9.5 | | 3.5 | 38.7 | |
| 9.5 | | 13.9 | 50.9 | | 9.5 | | 46.9 | 9.4 | | 7.7 | | 28.3 | 36.0 | K | 9.4 | | 22.3 | 17.7 | | 9.5 | | 12.4 | 43.9 | |
| 8.5 | 42 | 2.2 | 18.6 | B | 9.5 | 1 | 13.6 | 57.3 | | 9.5 | | 45.9 | 54.1 | | 8.6 | | 53.0 | 4.1 | K | 9.4 | | 17.6 | 29.0 | |
| 8.3 | | 23.7 | 0.4 | Kb | 9.5 | | 20.1 | 25.1 | | 9.5 | 18 | 0.1 | 34.9 | | 9.5 | 35 | 2.7 | 10.6 | | 9.4 | | 18.0 | 47.7 | |
| 9.4 | | 33.5 | 57.6 | | 8.5 | | 27.6 | 47.0 | | 9.5 | | 33.9 | 57.0 | | 9.5 | | 34.2 | 29.7 | | 9.4 | | 21.5 | 35.5 | B |
| 8.9 | 43 | 23.9 | 3.6 | Kb | 8.9 | 2 | 22.2 | 40.3 | K | 8.6 | | 34.3 | 48.6 | K | 9.5 | | 45.7 | 45.0 | | 9.5 | | 31.3 | 9.6 | |
| 9.5 | | 33.8 | 23.0 | | 8.8 | | 29.2 | 9.7 | | 9.2 | 19 | 26.8 | 7.0 | | 9.5 | 36 | 0.9 | 11.7 | | 9.5 | | 43.2 | 26.3 | |
| 9.4 | | 57.9 | 24.7 | | 9.0 | | 34.9 | 18.4 | | 9.1 | | 55.7 | 25.3 | b | 9.5 | | 11.5 | 43.0 | | 8.0 | 54 | 35.1 | 25.0 | K |
| 9.0 | 44 | 9.2 | 36.0 | K | 9.4 | | 55.0 | 51.2 | | 9.2 | | 59.4 | 11.2 | | 9.5 | | 52.6 | 58.9 | | 9.3 | | 57.7 | 49.0 | |
| 9.1 | | 32.7 | 13.7 | K | 8.2 | 3 | 10.3 | 9.2 | K | 9.2 | 20 | 11.1 | 17.5 | | 8.3 | 37 | 30.0 | 26.9 | K | 9.5 | 55 | 50.5 | 46.9 | |
| 9.4 | 45 | 9.6 | 38.7 | | 7.8 | | 38.1 | 38.2 | B | 9.5 | | 21.3 | 6.5 | | 8.5 | | 34.7 | 36.3 | L | 8.8 | 56 | 27.1 | 54.2 | K |
| 9.3 | | 23.5 | 33.9 | | 9.4 | 4 | 21.4 | 12.5 | | 9.0 | | 34.9 | 1.8 | | 9.4 | 38 | 15.1 | 4.2 | | 9.0 | | 27.3 | 53.1 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | | *32.19* | *3.30* | | *10pr.* | | *33.00* | *3.24* | | *10pr.* | | *33.68* | *3.18* | | *10pr.* | | *34.36* | *3.09* | | *10pr.* | | *34.99* | *2.99* | |

| 367ª | | | | |
|---|---|---|---|---|
| 9.5 | 45 | 59.2 | 27.4 | B |

| 401—460 | | | | 461—520 | | | | 521—580 | | | | 581—640 | | | | 641—700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ª—2ª | | +35° | | 2ª | | +35° | | 2ª | | +35° | | 2ª—3ª | | +35° | | 3ª | | +35° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 9.4 | 56 | 32.8 | 59.5 | | 9.3 | 13 | 24.0 | 10.1 | | 8.6 | 29 | 38.3 | 44.2 | K | 8.4 | 43 | 42.4 | 41.1 | | 9.5 | 2 | 27.5 | 56.9 | B |
| 9.4 | | 42.1 | 42.2 | | 9.3 | | 31.6 | 28.6 | | 9.0 | | 40.4 | 22.1 | | 8.2 | | 45.3 | 52.2 | B | 9.5 | | 33.7 | 58.4 | |
| 9.4 | 57 | 16.6 | 38.2 | B | 9.3 | | 43.5 | 41.7 | | 7.9 | | 45.8 | 40.5 | K | 8.2 | | 59.8 | 2.8 | B | 8.6 | | 45.1 | 31.8 | |
| 9.5 | | 23.6 | 9.4 | | 9.3 | 14 | 29.0 | 35.9 | | 9.2 | | 51.6 | 59.3 | K | 9.5 | 44 | 44.4 | 2.4 | | 9.4 | 3 | 29.5 | 7.5 | |
| 9.5 | | 36.2 | 56.0 | | 8.4 | | 46.1 | 10.2 | K | 9.5 | 30 | 5.9 | 59.7 | | 9.2 | | 49.7 | 8.3 | Kb | 9.3 | 4 | 1.1 | 20.4 | |
| 9.5 | 58 | 29.8 | 5.3 | | 9.5 | 15 | 46.9 | 45.9 | | 9.0 | | 9.8 | 11.4 | | 8.5 | 45 | 6.8 | 27.2 | K | 9.3 | | 22.4 | 48.3 | B |
| 9.3 | | 58.3 | 5.1 | | 8.9 | | 47.2 | 38.8 | | 9.1 | | 16.1 | 8.8 | | 8.5 | 46 | 2.0 | 59.7 | K | 7.9 | | 37.1 | 36.2 | K |
| 9.5 | | 59.6 | 37.5 | | 9.5 | | 57.9 | 49.5 | | 9.5 | | 28.4 | 35.9 | | 8.3 | | 30.1 | 19.0 | L | 9.5 | 5 | 13.4 | 30.0 | |
| 9.4 | 59 | 49.4 | 51.4 | | 9.5 | 16 | 34.3 | 52.7 | | 9.0 | 31 | 5.0 | 56.0 | K | 9.0 | | 44.4 | 48.5 | | 9.1 | | 14.4 | 55.6 | |
| 9.3 | | 58.7 | 58.3 | | 8.3 | | 37.9 | 18.7 | Kb | 9.1 | | 12.4 | 26.9 | K | 9.4 | | 59.4 | 16.9 | | 9.5 | | 26.7 | 21.0 | |
| 9.4 | 0 | 41.7 | 55.0 | | 9.3 | | 38.9 | 47.9 | B | 8.1 | | 39.1 | 23.8 | K | 9.0 | 47 | 2.3 | 44.3 | | 8.3 | | 53.4 | 10.7 | K |
| 9.4 | 1 | 25.6 | 6.3 | | 9.5 | 17 | 55.0 | 54.5 | B | 9.5 | | 51.1 | 32.5 | | 9.1 | | 5.4 | 57.4 | | 9.5 | | 59.3 | 59.7 | |
| 9.3 | | 29.3 | 4.3 | B | 9.1 | 18 | 35.6 | 41.1 | b | 9.4 | | 52.0 | 49.4 | | 9.4 | | 43.4 | 34.2 | | 7.0 | 6 | 6.6 | 55.7 | L |
| 9.2 | | 40.7 | 57.5 | | 9.4 | | 48.0 | 41.9 | | 9.5 | | 54.7 | 15.9 | | 9.2 | | 45.8 | 41.1 | | 9.4 | | 36.7 | 1.0 | |
| 9.5 | 2 | 0.4 | 48.9 | | 9.2 | 19 | 4.9 | 54.2 | | 9.1 | 32 | 29.3 | 52.6 | b | 9.0 | 48 | 13.0 | 34.2 | B | 9.5 | 7 | 6.3 | 20.0 | |
| 8.3 | | 18.1 | 20.4 | K | 9.0 | | 15.1 | 20.5 | | 9.1 | | 42.3 | 12.4 | K | 8.0 | | 37.3 | 10.2 | K | 8.8 | | 7.8 | 14.1 | K |
| 9.4 | | 30.4 | 37.3 | | 8.5 | | 18.4 | 16.9 | | 9.2 | | 43.4 | 3.1 | | 9.2 | | 58.6 | 35.1 | | 9.5 | | 35.7 | 33.1 | |
| 8.9 | | 54.2 | 3.5 | K | 9.5 | | 49.9 | 39.2 | | 9.5 | | 49.1 | 30.0 | | 9.4 | 49 | 10.6 | 29.0 | | 9.2 | | 37.1 | 49.8 | |
| 9.3 | | 55.3 | 27.8 | | 9.3 | | 58.0 | 18.5 | | 9.4 | | 53.0 | 8.8 | | 9.5 | | 51.1 | 12.8 | | 9.0 | | 51.1 | 24.9 | |
| 9.4 | 3 | 5.0 | 24.5 | | 8.9 | 20 | 8.3 | 0.4 | Kb | 9.5 | | 56.1 | 46.0 | | 9.5 | 50 | 3.3 | 9.8 | | 7.0 | 8 | 10.6 | 49.8 | K |
| 9.5 | | 47.2 | 47.8 | B | 9.5 | | 13.3 | 56.2 | B | 9.2 | 33 | 21.6 | 19.0 | B | 9.3 | | 54.2 | 29.6 | | 9.5 | | 46.7 | 42.5 | |
| 9.5 | 4 | 20.7 | 17.4 | | 9.3 | | 19.3 | 59.9 | B | 9.1 | | 26.9 | 23.0 | | 8.0 | 51 | 18.1 | 48.5 | B | 9.5 | 9 | 27.0 | 24.5 | |
| 9.5 | | 23.0 | 25.0 | | 9.4 | | 21.6 | 13.8 | | 9.5 | | 35.0 | 59.4 | | 9.1 | | 29.8 | 6.0 | aB | 8.0 | | 29.2 | 0.6 | K |
| 9.5 | | 48.5 | 7.1 | | 9.5 | | 36.4 | 59.6 | | 8.3 | 34 | 17.0 | 20.4 | B | 8.6 | | 35.9 | 5.7 | K | 9.5 | | 45.0 | 36.3 | |
| 9.5 | 5 | 32.8 | 56.7 | | 9.4 | | 42.7 | 5.7 | | 9.0 | 35 | 10.1 | 15.8 | | 8.3 | | 57.1 | 26.6 | | 9.3 | 10 | 4.3 | 27.0 | |
| 9.3 | 6 | 6.1 | 20.0 | | 9.5 | 21 | 6.0 | 26.6 | | 9.1 | | 18.8 | 37.6 | | 8.3 | 52 | 4.7 | 37.0 | K | 9.5 | | 14.9 | 47.6 | B |
| 9.3 | | 6.7 | 50.4 | | 9.5 | | 22.4 | 40.1 | B | 9.2 | | 46.3 | 14.5 | K | 7.0 | | 11.8 | 33.5 | K | 9.5 | | 47.4 | 10.0 | |
| 9.2 | | 12.5 | 4.2 | b | 9.0 | | 37.1 | 21.9 | | 9.0 | 36 | 26.8 | 42.4 | K | 9.4 | | 38.4 | 47.9 | | 8.8 | | 58.1 | 38.2 | K |
| 8.9 | | 40.3 | 49.6 | | 9.2 | | 43.9 | 2.3 | | 9.2 | 37 | 9.1 | 28.3 | | 9.2 | | 48.5 | 52.9 | | 8.8 | 12 | 1.0 | 44.9 | |
| 9.3 | | 44.0 | 13.2 | | 7.5 | | 58.4 | 28.0 | K | 7.9 | | 13.1 | 39.4 | K | 9.0 | 53 | 6.5 | 0.9 | Kb | 9.0 | | 6.8 | 8.5 | K |
| 8.8 | | 58.4 | 57.2 | L | 9.3 | 22 | 8.5 | 36.8 | K | 9.5 | | 24.8 | 42.5 | | 9.4 | | 9.7 | 53.2 | | 9.5 | | 14.0 | 8.9 | |
| 9.3 | 7 | 10.6 | 36.9 | | 9.0 | | 10.3 | 4.6 | Kb | 9.5 | | 53.1 | 57.5 | | 9.4 | | 50.1 | 12.1 | | 9.3 | | 30.7 | 39.4 | |
| 9.5 | | 30.6 | 18.7 | | 9.3 | | 16.6 | 0.9 | B | 6.8 | 38 | 2.4 | 22.8 | K | 9.4 | | 58.6 | 58.7 | | 8.8 | | 43.4 | 7.1 | |
| 9.1 | | 33.7 | 38.4 | | 8.8 | | 21.4 | 6.6 | B | 8.0 | | 13.0 | 57.1 | B | 9.5 | 54 | 16.8 | 15.7 | | 8.5 | | 51.8 | 14.4 | K |
| 9.2 | | 40.1 | 12.5 | | 9.4 | | 25.0 | 46.0 | | 9.3 | | 18.8 | 30.7 | | 9.2 | | 22.1 | 52.1 | B | 9.5 | 13 | 52.5 | 52.8 | |
| 9.4 | | 43.0 | 47.8 | B | 9.4 | 23 | 1.1 | 21.4 | | 9.4 | | 22.3 | 5.5 | | 7.1 | | 28.5 | 52.2 | B | 8.5 | 14 | 1.1 | 13.8 | K |
| 9.5 | | 45.3 | 43.8 | | 5.6 | | 16.3 | 31.1 | Kb | 9.5 | | 43.1 | 33.8 | | 9.5 | 55 | 13.3 | 5.8 | | 9.0 | | 7.7 | 48.7 | |
| 9.5 | | 39.6 | 26.2 | B | 8.0 | | 25.6 | 5.0 | K | 9.2 | | 56.7 | 12.0 | K | 8.3 | | 16.9 | 1.1 | K | 9.4 | | 28.1 | 35.4 | |
| 9.5 | | 54.3 | 42.8 | | 8.8 | | 52.1 | 52.9 | K | 9.5 | 39 | 6.6 | 34.2 | | 9.5 | | 37.3 | 34.2 | B | 9.4 | | 35.2 | 58.0 | |
| 8.6 | 8 | 2.8 | 1.5 | K | 9.0 | 24 | 19.8 | 16.2 | | 9.5 | | 17.2 | 5.8 | | 9.5 | 56 | 31.3 | 13.5 | | 9.4 | | 53.3 | 30.0 | B |
| 8.5 | | 6.0 | 33.9 | | 8.9 | | 21.6 | 2.1 | K | 9.4 | | 20.4 | 51.8 | | 9.5 | | 35.0 | 32.2 | B | 8.0 | | 58.4 | 12.7 | L |
| 9.2 | | 15.3 | 3.0 | K | 9.2 | 25 | 14.6 | 57.2 | K | 9.4 | | 21.0 | 3.3 | B | 9.2 | 57 | 11.9 | 52.0 | | 9.4 | 16 | 8.6 | 29.0 | B |
| 7.5 | | 22.5 | 15.3 | K | 9.3 | | 34.0 | 1.1 | B | 9.1 | | 22.4 | 43.4 | | 8.6 | 58 | 17.4 | 6.8 | B | 8.6 | | 10.8 | 29.9 | Kb |
| 9.5 | | 30.0 | 19.9 | | 9.4 | | 53.8 | 35.9 | | 8.5 | | 41.0 | 36.9 | Kb | 9.5 | | 19.0 | 1.3 | | 9.5 | | 12.4 | 21.8 | B |
| 9.3 | | 37.6 | 39.1 | | 9.0 | 26 | 15.9 | 14.6 | B | 9.3 | 40 | 0.7 | 28.3 | | 9.5 | | 41.3 | 58.9 | | 8.5 | | 40.2 | 50.5 | |
| 9.5 | | 55.5 | 49.4 | | 9.5 | | 36.9 | 50.5 | | 9.3 | | 1.5 | 59.0 | | 9.5 | | 49.3 | 15.1 | | 9.2 | | 55.4 | 55.9 | |
| 8.2 | | 57.1 | 43.8 | K | 9.5 | | 48.4 | 34.2 | | 7.7 | | 14.0 | 15.9 | B | 9.5 | | 51.4 | 16.8 | B | 9.3 | 17 | 6.7 | 42.9 | |
| 9.3 | 9 | 9.2 | 15.6 | | 9.5 | 27 | 12.5 | 54.7 | | 9.3 | | 46.1 | 38.3 | | 8.2 | | 53.3 | 23.2 | B | 9.5 | | 11.5 | 0.2 | |
| 9.0 | | 28.1 | 54.4 | K | 9.3 | | 14.8 | 15.2 | | 9.4 | 41 | 29.2 | 13.1 | B | 9.4 | | 55.4 | 4.3 | | 8.5 | | 28.8 | 46.7 | |
| 9.4 | | 30.8 | 45.6 | | 9.5 | | 19.1 | 44.2 | | 9.5 | | 30.8 | 2.6 | B | 8.3 | 59 | 33.1 | 39.4 | | 9.5 | | 46.7 | 7.5 | |
| 9.5 | 10 | 12.9 | 28.1 | | 9.5 | | 32.6 | 0.3 | | 8.5 | | 32.1 | 43.1 | K | 9.3 | | 47.0 | 57.2 | | 9.2 | 18 | 7.7 | 52.4 | B |
| 9.4 | | 36.8 | 11.2 | | 8.8 | | 41.5 | 27.7 | B | 9.5 | | 33.1 | 7.6 | | 9.4 | 0 | 24.3 | 7.9 | B | 9.4 | | 15.6 | 48.8 | B |
| 9.5 | | 54.4 | 24.5 | | 9.3 | | 55.7 | 31.7 | | 9.3 | | 50.2 | 21.9 | B | 9.5 | | 24.8 | 2.4 | | 9.1 | | 48.6 | 27.9 | B |
| 8.8 | 11 | 20.5 | 17.7 | Kb | 9.2 | 28 | 20.8 | 32.4 | | 9.5 | 42 | 2.8 | 54.2 | | 9.5 | 1 | 7.9 | 3.9 | | 9.5 | 19 | 14.9 | 57.8 | |
| 9.5 | | 23.4 | 9.3 | B | 8.9 | | 22.1 | 28.6 | K | 9.4 | | 10.5 | 32.9 | | 9.0 | | 20.4 | 53.5 | | 9.5 | | 24.8 | 38.8 | B |
| 9.5 | | 32.6 | 52.3 | | 9.2 | | 25.4 | 2.8 | Kb | 8.0 | | 18.7 | 41.9 | K | 9.2 | | 20.9 | 33.3 | B | 8.6 | | 25.1 | 35.5 | K |
| 9.5 | | 53.7 | 53.5 | | 9.3 | | 32.3 | 10.2 | B | 9.4 | | 28.8 | 36.6 | B | 9.5 | | 22.9 | 39.6 | | 7.5 | | 36.1 | 17.7 | L |
| 9.5 | 12 | 20.2 | 53.0 | | 9.5 | | 39.1 | 12.2 | | 9.5 | | 41.1 | 31.4 | | 9.3 | | 34.3 | 57.5 | B | 8.8 | | 37.8 | 11.3 | K |
| 8.9 | | 28.9 | 23.0 | | 9.5 | | 53.0 | 19.0 | | 9.2 | | 49.6 | 52.5 | | 9.4 | 2 | 16.5 | 24.3 | B | 8.8 | | 41.1 | 41.7 | K |
| 9.3 | | 59.3 | 5.8 | | 9.2 | 29 | 28.5 | 47.0 | B | 9.5 | 43 | 16.2 | 42.2 | | 9.1 | | 26.1 | 38.7 | | 9.5 | | 48.3 | 5.4 | B |
| 10pr. | | 35.73 | 2.84 | | 10pr. | | 36.26 | 2.72 | | 10pr. | | 36.76 | 2.58 | | 10pr. | | 37.25 | 2.43 | | 10pr. | | 37.81 | 2.24 | |

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| | ′ | ″ | ′ | | |
| 9.1 | 20 | 5.2 | 10.3 | Bb | |
| 9.5 | | 50.8 | 26.6 | | |
| 8.2 | | 56.9 | 43.5 | B | |
| 9.5 | 21 | 7.6 | 26.0 | | |
| 9.3 | | 8.4 | 16.6 | | |
| 8.6 | | 12.1 | 43.5 | | |
| 9.4 | | 29.9 | 11.7 | B | |
| 7.5 | 22 | 31.1 | 58.8 | L | |
| 9.5 | | 38.7 | 4.5 | | |
| 9.3 | | 41.4 | 46.7 | | |
| 8.9 | | 51.5 | 43.7 | B | |
| 9.3 | | 58.8 | 38.3 | | |
| 9.0 | 23 | 21.4 | 13.8 | | |
| 7.5 | | 25.9 | 9.9 | Lb | |
| 9.5 | | 53.3 | 25.9 | | |
| 9.5 | 24 | 16.8 | 16.6 | | |
| 8.5 | | 49.9 | 34.9 | K | |
| 9.5 | 25 | 15.5 | 30.4 | | |
| 9.0 | | 23.0 | 2.3 | | |
| 9.1 | | 53.5 | 38.4 | b | |
| 9.5 | 26 | 1.4 | 5.1 | | |
| 9.5 | | 15.8 | 55.3 | | |
| 8.5 | | 29.8 | 0.5 | K | |
| 9.5 | | 43.4 | 7.3 | | |
| 9.5 | 27 | 36.2 | 58.5 | | |
| 9.2 | 28 | 49.0 | 40.0 | | |
| 9.3 | | 53.0 | 42.0 | Bb | |
| 9.3 | 29 | 8.6 | 46.2 | | |
| 9.3 | 30 | 13.9 | 58.8 | K | |
| 9.0 | | 14.9 | 20.2 | B | |
| 9.5 | | 58.4 | 22.9 | | |
| 9.5 | 31 | 2.8 | 48.2 | B | |
| 9.3 | | 20.5 | 5.9 | B | |
| 7.5 | | 20.8 | 29.0 | K | |
| 9.4 | | 37.7 | 47.0 | | |
| 7.3 | 32 | 3.0 | 55.0 | K | |
| 9.1 | | 18.2 | 16.1 | B | |
| 8.8 | 33 | 11.7 | 9.7 | K | |
| 8.4 | | 11.7 | 2.8 | K | |
| 9.0 | | 31.8 | 29.4 | | |
| 9.0 | 34 | 5.5 | 22.4 | | |
| 9.3 | | 43.1 | 38.1 | | |
| 8.8 | 35 | 1.5 | 33.5 | | |
| 7.5 | | 15.7 | 23.7 | K | |
| 9.5 | 37 | 25.2 | 52.2 | | |
| 9.0 | 39 | 0.0 | 15.2 | Kb | |
| 9.5 | | 20.0 | 9.7 | | |
| 9.0 | | 38.8 | 55.8 | K | |
| 9.2 | | 55.6 | 7.1 | | |
| 9.3 | 40 | 20.2 | 20.7 | | |
| 9.1 | | 28.0 | 9.2 | b | |
| 8.9 | | 33.5 | 53.8 | | |
| 9.3 | | 47.9 | 7.3 | b | |
| 8.4 | 42 | 4.8 | 6.5 | K | |
| 8.7 | | 25.5 | 15.5 | K | |
| 9.3 | 43 | 0.8 | 46.3 | | |
| 9.4 | | 18.8 | 21.5 | | |
| 9.3 | | 30.6 | 0.6 | | |
| 9.4 | | 33.7 | 6.1 | B | |
| 9.4 | | 43.5 | 9.8 | | |
| | | + | + | | |
| 10pr. | | 38.30 | 2.02 | | |

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|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.0 | 43 | 51.3 | 54.0 | B |
| 8.5 | 44 | 0.7 | 58.5 | K |
| 8.3 | | 1.5 | 6.2 | L |
| 8.4 | | 1.7 | 21.8 | |
| 9.5 | | 24.9 | 13.3 | |
| 9.4 | 45 | 14.2 | 50.9 | |
| 9.5 | | 37.0 | 58.8 | |
| 9.5 | | 51.4 | 3.9 | |
| 9.3 | 46 | 31.4 | 48.8 | |
| 9.5 | | 58.2 | 43.4 | B |
| 8.0 | 47 | 17.9 | 34.3 | K |
| 8.6 | 48 | 14.4 | 33.1 | |
| 8.9 | 49 | 21.8 | 56.8 | |
| 9.3 | | 33.0 | 57.2 | |
| 4.2 | | 33.8 | 22.8 | K |
| 9.3 | | 46.0 | 24.7 | |
| 9.5 | | 56.5 | 27.5 | |
| 8.0 | 50 | 2.4 | 54.2 | L |
| 8.5 | | 27.9 | 35.3 | K |
| 9.0 | | 31.6 | 36.1 | K |
| 9.0 | | 39.0 | 20.8 | K |
| 9.3 | | 50.9 | 36.0 | |
| 9.1 | | 54.4 | 47.2 | L |
| 9.4 | 51 | 12.0 | 28.0 | B |
| 9.0 | | 25.3 | 53.2 | K |
| 9.2 | | 37.7 | 39.2 | B |
| 9.5 | 52 | 5.2 | 52.8 | |
| 9.5 | | 30.5 | 10.4 | |
| 9.5 | 53 | 8.2 | 47.5 | |
| 9.5 | 54 | 18.0 | 8.2 | B |
| 9.5 | | 23.0 | 46.7 | |
| 9.5 | | 23.5 | 28.7 | |
| 9.1 | | 51.8 | 25.2 | K |
| 9.4 | 55 | 1.3 | 0.3 | B |
| 9.5 | | 4.9 | 5.3 | |
| 7.3 | | 7.5 | 31.1 | K |
| 9.5 | 56 | 27.9 | 2.8 | |
| 9.5 | 57 | 18.4 | 0.7 | |
| 9.3 | | 25.5 | 38.3 | B |
| 8.3 | | 37.9 | 56.3 | K |
| 9.5 | | 59.6 | 2.5 | |
| 9.1 | 58 | 15.5 | 18.4 | b |
| 9.4 | | 28.8 | 3.7 | |
| 9.1 | | 49.5 | 9.7 | |
| 9.1 | | 53.2 | 34.8 | |
| 8.5 | 59 | 27.4 | 20.0 | K |
| 7.0 | | 54.4 | 39.3 | K |
| 9.3 | | 55.9 | 34.2 | |
| 7.6 | 0 | 14.2 | 34.6 | K |
| 8.9 | | 52.7 | 55.1 | |
| 9.2 | | 53.5 | 41.5 | |
| 9.5 | 1 | 13.2 | 22.5 | |
| 9.3 | | 16.1 | 43.2 | |
| 9.2 | | 26.9 | 45.7 | B |
| 9.5 | | 27.2 | 12.0 | |
| 8.3 | | 38.7 | 31.5 | K |
| 9.3 | | 46.9 | 3.5 | |
| 9.5 | 2 | 23.3 | 34.3 | |
| 9.3 | | 47.5 | 34.7 | B |
| 9.3 | | 48.9 | 54.8 | |
| | | + | + | |
| 10pr. | | 38.86 | 1.74 | |

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| m | 4ᵘ | | +35° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.3 | 3 | 2.5 | 22.1 | |
| 9.1 | | 55.6 | 59.3 | |
| 8.0 | | 56.9 | 6.5 | K |
| 9.5 | | 59.9 | 55.0 | |
| 9.5 | 4 | 12.5 | 47.4 | |
| 9.1 | | 38.9 | 27.7 | b |
| 9.0 | | 39.4 | 47.3 | K |
| 9.0 | 5 | 33.6 | 32.8 | B |
| 9.5 | | 34.1 | 27.0 | |
| 9.4 | | 49.4 | 3.5 | |
| 9.5 | | 58.5 | 57.6 | |
| 8.0 | 6 | 59.3 | 44.0 | B |
| 8.8 | 7 | 1.6 | 51.4 | |
| 8.4 | | 10.0 | 50.7 | L |
| 9.5 | | 29.2 | 45.7 | |
| 9.3 | | 37.0 | 31.5 | B |
| 9.5 | 8 | 0.1 | 55.1 | |
| 9.5 | | 12.2 | 22.9 | |
| 9.1 | | 17.5 | 46.0 | K |
| 7.3 | | 59.7 | 38.1 | L |
| 9.2 | 9 | 20.5 | 27.0 | |
| 9.5 | | 21.4 | 0.1 | |
| 9.0 | | 48.2 | 18.6 | Kb |
| 9.5 | 10 | 23.4 | 6.6 | |
| 9.1 | | 26.6 | 6.0 | B |
| 9.5 | | 28.0 | 50.8 | |
| 9.2 | | 43.9 | 3.0 | |
| 9.4 | 11 | 0.7 | 3.9 | |
| 8.0 | | 14.2 | 27.0 | K |
| 9.2 | | 42.1 | 44.5 | |
| 9.3 | 12 | 48.4 | 17.4 | |
| 9.3 | | 63.5 | 46.0 | |
| 9.3 | | 54.1 | 22.9 | B |
| 9.5 | | 57.8 | 41.5 | |
| 9.5 | | 58.2 | 3.6 | |
| 9.3 | 13 | 32.0 | 52.8 | |
| 8.2 | | 36.0 | 8.5 | K |
| 7.3 | | 39.3 | 41.6 | L |
| 9.5 | | 49.9 | 51.8 | |
| 6.5 | 14 | 3.5 | 33.0 | K |
| 9.3 | | 11.1 | 22.5 | |
| 9.5 | | 24.2 | 14.1 | |
| 9.5 | 15 | 48.1 | 9.8 | |
| 9.4 | 16 | 14.9 | 34.6 | |
| 8.4 | | 21.5 | 43.2 | b |
| 9.5 | | 40.0 | 56.3 | |
| 8.4 | | 40.2 | 25.2 | K |
| 9.5 | | 55.4 | 3.3 | |
| 9.5 | 17 | 25.5 | 21.8 | |
| 9.4 | | 39.9 | 3.0 | B |
| 9.4 | | 56.0 | 18.3 | |
| 9.4 | 18 | 52.2 | 8.3 | |
| 9.0 | 19 | 30.0 | 8.7 | |
| 9.5 | 20 | 0.5 | 42.5 | |
| 8.2 | | 53.1 | 47.9 | K |
| 9.0 | 21 | 13.6 | 13.8 | |
| 8.0 | | 25.5 | 16.9 | K |
| 9.5 | 22 | 13.2 | 24.2 | |
| 8.4 | | 55.0 | 54.9 | |
| 9.3 | 23 | 0.3 | 36.9 | B |
| | | + | + | |
| 10pr. | | 39.22 | 1.51 | |

881—940

| m | 4ᵘ | | +35° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 23 | 9.5 | 14.5 | |
| 8.5 | | 28.9 | 30.6 | Kb |
| 9.4 | 24 | 35.2 | 0.0 | B |
| 9.1 | 25 | 52.1 | 2.1 | Bb |
| 7.5 | 26 | 12.3 | 21.8 | K |
| 9.4 | | 36.0 | 26.0 | |
| 9.1 | | 43.5 | 59.1 | B |
| 9.4 | | 44.7 | 46.0 | |
| 9.5 | 27 | 3.6 | 8.2 | |
| 9.5 | | 53.4 | 5.8 | |
| 9.5 | 29 | 2.5 | 24.9 | |
| 9.4 | | 22.9 | 18.7 | |
| 7.0 | | 49.3 | 39.7 | B |
| 9.3 | 30 | 15.2 | 57.4 | |
| 8.2 | | 22.0 | 59.2 | K |
| 9.2 | 32 | 15.5 | 34.0 | |
| 7.5 | | 47.3 | 33.9 | K |
| 9.4 | 33 | 6.0 | 22.1 | |
| 9.3 | | 18.6 | 51.3 | B |
| 8.0 | 34 | 36.4 | 54.7 | K |
| 9.5 | | 37.8 | 57.0 | |
| 9.5 | | 55.5 | 21.5 | |
| 9.0 | 35 | 19.3 | 20.4 | |
| 8.5 | | 55.5 | 28.0 | K |
| 9.3 | 37 | 12.0 | 45.5 | Bb |
| 9.3 | | 35.6 | 33.9 | |
| 8.3 | 38 | 57.3 | 22.3 | B |
| 9.5 | 39 | 11.0 | 32.0 | |
| 9.3 | | 50.1 | 53.0 | |
| 9.5 | 41 | 2.2 | 6.5 | |
| 9.2 | | 21.6 | 54.0 | |
| 9.5 | | 26.4 | 59.5 | |
| 9.5 | | 46.8 | 2.8 | |
| 7.0 | | 52.8 | 34.1 | Kb |
| 9.5 | 42 | 7.1 | 0.9 | |
| 8.0 | | 29.3 | 57.6 | K |
| 8.3 | 43 | 18.3 | 33.3 | B |
| 8.8 | | 20.9 | 21.7 | |
| 9.5 | | 35.0 | 24.2 | |
| 9.5 | | 47.2 | 20.0 | |
| 9.5 | 44 | 17.3 | 54.5 | |
| 9.0 | | 30.9 | 33.6 | |
| 9.3 | | 47.1 | 24.4 | |
| 9.5 | | 55.6 | 5.6 | |
| 8.6 | | 57.5 | 57.5 | |
| 9.4 | 45 | 12.2 | 49.9 | |
| 9.2 | | 32.4 | 19.8 | |
| 9.1 | | 56.1 | 9.5 | Kb |
| 9.5 | 46 | 12.2 | 44.8 | B |
| 6.5 | | 39.7 | 55.9 | K |
| 9.5 | | 56.4 | 22.7 | |
| 9.1 | 47 | 2.4 | 53.3 | K |
| 9.4 | | 13.3 | 11.3 | |
| 9.5 | | 44.3 | 49.8 | |
| 9.5 | | 56.6 | 23.9 | |
| 8.9 | 48 | 7.9 | 30.8 | |
| 9.5 | | 27.1 | 42.0 | |
| 9.5 | | 37.4 | 4.1 | |
| 9.5 | 49 | 5.5 | 47.4 | |
| 9.4 | | 46.0 | 11.0 | |
| | | + | + | |
| 10pr. | | 39.70 | 1.12 | |

941—1000

| m | 4ᵘ—5ᵘ | | +35° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 8.9 | 50 | 4.0 | 19.9 | B |
| 9.5 | | 7.0 | 19.5 | |
| 9.5 | | 11.1 | 45.2 | |
| 9.2 | | 22.0 | 40.5 | |
| 9.5 | | 42.4 | 34.6 | |
| 9.4 | | 42.8 | 27.6 | |
| 9.5 | | 53.9 | 59.7 | |
| 9.2 | 51 | 7.3 | 0.7 | |
| 8.6 | | 17.8 | 12.1 | K |
| 9.3 | | 28.5 | 12.6 | |
| 8.9 | | 49.0 | 44.2 | |
| 9.5 | | 56.6 | 55.5 | |
| 8.5 | 52 | 27.0 | 42.8 | K |
| 9.3 | 53 | 22.9 | 54.6 | |
| 9.4 | | 39.5 | 21.0 | |
| 9.3 | | 43.8 | 13.6 | |
| 9.5 | | 56.4 | 22.8 | |
| 9.4 | 54 | 11.2 | 5.0 | |
| 9.5 | | 11.9 | 55.8 | |
| 9.5 | | 19.4 | 52.0 | |
| 8.7 | | 25.0 | 33.7 | |
| 9.4 | | 35.2 | 38.3 | |
| 9.5 | | 40.3 | 34.0 | |
| 8.9 | | 40.9 | 41.5 | |
| 9.4 | | 50.5 | 27.7 | |
| 8.9 | 55 | 13.4 | 17.6 | |
| 9.1 | | 19.1 | 10.6 | |
| 9.2 | | 37.7 | 2.5 | |
| 9.5 | | 41.2 | 30.3 | |
| 9.3 | 56 | 4.6 | 19.0 | |
| 8.9 | | 5.8 | 28.1 | |
| 7.8 | | 8.1 | 38.7 | K |
| 6.5 | | 19.7 | 44.1 | K |
| 9.0 | | 26.3 | 48.0 | |
| 9.4 | | 44.7 | 31.8 | |
| 7.9 | | 50.9 | 21.9 | L |
| 8.1 | | 52.6 | 18.5 | L |
| 9.2 | | 55.4 | 5.6 | |
| 9.4 | | 57.9 | 18.3 | |
| 9.1 | 57 | 10.8 | 25.7 | B |
| 9.0 | | 30.9 | 33.3 | |
| 9.4 | | 36.9 | 29.0 | |
| 9.5 | | 47.7 | 40.7 | |
| 9.4 | | 48.3 | 2.9 | |
| 9.5 | 58 | 2.0 | 30.0 | |
| 8.6 | | 8.1 | 2.9 | Kb |
| 8.8 | | 23.4 | 56.5 | K |
| 9.5 | | 26.6 | 7.6 | |
| 9.5 | | 27.6 | 0.9 | |
| 9.2 | | 32.2 | 43.9 | |
| 9.1 | | 35.5 | 57.2 | K |
| 8.9 | 59 | 6.3 | 52.3 | K |
| 9.4 | | 22.5 | 6.6 | |
| 9.4 | 0 | 0.7 | 35.5 | |
| 8.5 | | 6.8 | 2.9 | Kb |
| 9.4 | | 6.9 | 20.4 | |
| 9.5 | | 7.3 | 39.9 | |
| 9.2 | | 26.0 | 52.1 | |
| 9.4 | | 38.4 | 2.9 | |
| 9.5 | | 46.9 | 29.8 | |
| | | + | + | |
| 10pr. | | 39.88 | 0.92 | |

| 701ᵃ | | | | |
|---|---|---|---|---|
| 9.6 | 20 | 13.4 | 56.1 | B |
| 701ᵇ | | | | |
| var | 20 | 50.5 | 10.0 | |

| 1001—1060 | | | | 1061—1120 | | | | 1121—1180 | | | | 1181—1240 | | | | 1241—1300 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| m | 5ª ′ ″ | +35° | | m | 5ª ′ ″ | +35° | | m | 5ª ′ ″ | +35° | | m | 5ª ′ ″ | +35° | | m | 5ª ′ ″ | +35° | |
| 8.6 | 1 0.2 | 45.1 | | 9.4 | 10 45.1 | 57.8 | | 9.4 | 18 51.6 | 53.5 | | 9.1 | 26 42.2 | 47.3 | | 9.0 | 38 31.2 | 53.9 | |
| 9.5 | 12.4 | 6.8 | | 9.5 | 50.2 | 9.4 | | *9.4 | 53.6 | 40.7 | | 9.4 | 42.5 | 59.8 | | 9.2 | 38.3 | 11.8 | |
| 7.6 | 31.5 | 10.3 | K | 9.0 | 58.4 | 4.9 | | 9.5 | 54.0 | 48.4 | | 9.1 | 27 7.5 | 9.8 | b | 9.5 | 49.6 | 17.5 | |
| 7.2 | 52.2 | 46.1 | K | 9.4 | 11 13.4 | 57.2 | | 9.5 | 55.9 | 51.2 | | 9.3 | 12.6 | 13.5 | | 9.3 | 56.5 | 8.6 | Kb |
| 9.4 | 2 0.5 | 10.7 | | 9.2 | 14.1 | 40.2 | | 9.4 | 19 0.9 | 42.3 | | 9.3 | 16.9 | 59.1 | | 9.5 | 39 3.4 | 55.0 | |
| 9.2 | 4.3 | 3.0 | | 9.2 | 16.2 | 47.4 | | 9.5 | 7.0 | 47.3 | | 9.5 | 34.3 | 50.8 | | 9.5 | 17.8 | 33.2 | |
| 9.5 | 9.9 | 26.0 | | 9.4 | 19.8 | 2.5 | | 9.5 | 8.1 | 39.4 | | 9.3 | 28 10.2 | 53.0 | | 9.4 | 32.4 | 12.5 | |
| 9.5 | 17.2 | 33.4 | | 9.5 | 27.8 | 25.1 | | 9.5 | 14.2 | 37.7 | | 7.0 | 15.4 | 30.3 | K | 8.2 | 39.9 | 55.5 | K |
| 8.7 | 3 30.5 | 9.8 | | 9.4 | 36.7 | 20.5 | | 9.2 | 15.8 | 37.8 | | 9.4 | 26.7 | 19.7 | | 9.5 | 41.7 | 22.4 | |
| 9.5 | 33.4 | 45.4 | | 9.5 | 39.3 | 51.8 | | 9.5 | 23.9 | 44.3 | | 9.0 | 28.6 | 53.0 | | 9.3 | 59.3 | 48.9 | |
| 9.4 | 38.7 | 18.4 | | 9.5 | 47.3 | 48.1 | | 9.4 | 25.0 | 44.0 | | 8.2 | 39.8 | 52.1 | Lb | 9.5 | 40 4.0 | 49.3 | |
| 8.0 | 50.9 | 28.3 | B | 9.0 | 50.5 | 9.3 | | 9.5 | 29.9 | 28.3 | | 9.3 | 45.3 | 47.5 | | 9.3 | 5.8 | 25.2 | |
| 9.5 | 52.2 | 16.0 | | 9.4 | 51.1 | 15.5 | | 8.5 | 39.7 | 45.8 | | 9.5 | 54.9 | 32.1 | | 9.5 | 24.3 | 25.9 | |
| 8.5 | 54.9 | 31.3 | B | 9.5 | 12 7.4 | 54.1 | | 9.4 | 47.6 | 54.3 | | 9.5 | 29 24.8 | 22.7 | | 9.4 | 24.8 | 1.7 | |
| 9.4 | 4 1.6 | 15.2 | | 9.2 | 7.9 | 29.3 | | 9.5 | 52.4 | 8.6 | | 8.1 | 37.0 | 32.8 | K | 9.1 | 34.5 | 12.7 | |
| 9.5 | 5.8 | 23.2 | | 8.8 | 17.9 | 32.1 | K | 9.3 | 56.1 | 34.3 | | 7.8 | 30 5.0 | 34.1 | K | 9.5 | 41.6 | 31.1 | |
| 9.5 | 6.8 | 23.6 | | 9.1 | 20.2 | 29.3 | | 6.6 | 20 1.6 | 15.3 | L | 7.5 | 19.3 | 55.2 | Kb | 9.2 | 41 44.4 | 2.9 | |
| 9.1 | 26.9 | 30.3 | | 9.5 | 29.5 | 8.3 | | 9.5 | 5.4 | 5.6 | | 9.5 | 42.6 | 12.6 | | 9.2 | 57.7 | 20.2 | |
| 9.5 | 27.5 | 50.8 | | 9.4 | 51.3 | 0.5 | | 8.6 | 13.9 | 49.8 | K | 9.4 | 51.2 | 45.7 | | 9.2 | 42 5.4 | 12.3 | |
| 9.2 | 35.0 | 37.5 | | 9.5 | 53.8 | 24.5 | | 9.1 | 16.8 | 34.7 | | 9.4 | 57.1 | 39.5 | | 9.2 | 39.1 | 0.8 | b |
| 8.7 | 59.7 | 56.8 | | 8.5 | 13 18.9 | 31.8 | K | 9.1 | 18.4 | 4.7 | Kb | 9.5 | 31 15.0 | 46.2 | | 9.4 | 50.2 | 45.4 | |
| 8.2 | 5 20.3 | 11.1 | K | 9.4 | 26.6 | 15.8 | | 9.3 | 30.2 | 43.2 | | 9.5 | 22.3 | 0.5 | | 9.2 | 56.8 | 25.9 | |
| 9.5 | 6 18.0 | 26.1 | | 8.6 | 27.0 | 34.1 | K | 8.7 | 30.2 | 18.0 | K | 9.1 | 24.7 | 18.1 | b | 9.5 | 43 2.3 | 59.5 | |
| 9.2 | 18.4 | 54.8 | | 9.5 | 14 5.6 | 16.1 | | 9.4 | 47.5 | 22.3 | | 9.5 | 30.4 | 53.8 | | 9.5 | 27.3 | 1.9 | |
| 9.5 | 19.3 | 39.7 | | 9.5 | 13.0 | 35.9 | | 9.5 | 48.4 | 7.4 | | 9.5 | 39.5 | 30.3 | | 9.5 | 30.9 | 54.0 | |
| 8.8 | 40.6 | 13.5 | K | 9.3 | 22.7 | 22.8 | | 9.2 | 56.0 | 26.6 | | 9.5 | 40.2 | 22.4 | | 9.4 | 38.8 | 24.1 | |
| 8.3 | 42.5 | 9.5 | K | 9.5 | 32.4 | 3.9 | | 9.5 | 21 6.7 | 17.8 | | 6.8 | 32 14.0 | 32.7 | L | 9.2 | 53.7 | 19.2 | |
| 7.2 | 46.4 | 54.6 | L | 9.2 | 44.7 | 17.8 | | 9.5 | 23.5 | 10.3 | | 8.9 | 58.4 | 6.3 | K | 8.8 | 44 7.7 | 20.5 | |
| 9.4 | 48.6 | 8.6 | | 9.1 | 56.8 | 26.9 | b | 9.5 | 55.4 | 31.3 | | 9.5 | 33 8.5 | 25.0 | | 9.5 | 11.2 | 46.9 | |
| 9.5 | 7 0.3 | 2.2 | | 9.4 | 58.3 | 51.4 | | 9.5 | 56.5 | 8.9 | | 8.5 | 9.7 | 18.3 | L | 8.4 | 11.6 | 16.8 | |
| 8.9 | 26.5 | 9.4 | K | 8.7 | 15 10.2 | 42.8 | | 8.0 | 22 0.1 | 22.7 | K | 9.3 | 27.9 | 56.3 | | 8.3 | 39.5 | 36.8 | |
| 9.1 | 27.8 | 25.9 | b | 9.5 | 12.7 | 18.3 | | 9.5 | 12.0 | 37.0 | | 8.7 | 29.5 | 9.1 | K | 9.5 | 59.0 | 7.0 | |
| 9.0 | 44.3 | 2.2 | K | 8.7 | 41.6 | 17.1 | K | 9.5 | 12.1 | 19.5 | | 9.5 | 29.5 | 59.2 | | 8.0 | 45 3.1 | 1.9 | K |
| 9.5 | 46.3 | 48.6 | | 8.8 | 51.8 | 24.8 | | 9.5 | 17.6 | 22.3 | | 9.3 | 30.6 | 49.7 | | 9.5 | 3.2 | 43.2 | |
| 9.5 | 51.1 | 40.0 | | 8.3 | 16 2.9 | 30.5 | | 9.5 | 22.0 | 8.1 | | 9.1 | 47.2 | 42.5 | b | 9.4 | 5.2 | 47.2 | |
| 9.5 | 8 2.8 | 25.4 | | 9.2 | 18.6 | 14.2 | | 8.5 | 25.4 | 53.1 | | 9.5 | 34 21.5 | 28.0 | | 9.5 | 17.8 | 27.2 | |
| 9.5 | 3.6 | 14.3 | | 9.5 | 20.5 | 24.8 | | 9.4 | 30.3 | 0.0 | | 9.5 | 28.1 | 39.5 | | 9.1 | 34.9 | 53.1 | |
| 8.1 | 14.4 | 2.1 | K | 9.4 | 26.0 | 35.2 | | 8.2 | 34.9 | 31.1 | K | 8.5 | 29.9 | 28.4 | | 9.5 | 36.3 | 52.1 | |
| 9.2 | 28.9 | 6.6 | K | 9.4 | 41.6 | 15.8 | | 8.7 | 43.8 | 25.4 | K | 9.5 | 54.3 | 5.7 | | 9.3 | 41.4 | 57.3 | |
| 9.4 | 30.9 | 27.6 | | 9.0 | 57.4 | 15.5 | | 9.4 | 54.2 | 5.4 | | 9.4 | 56.4 | 52.6 | | 9.5 | 46 0.0 | 56.8 | |
| 9.4 | 9 5.7 | 20.6 | | 9.5 | 17 3.2 | 43.9 | | 9.4 | 23 0.0 | 27.2 | | 9.5 | 35 4.2 | 7.8 | | 9.5 | 13.6 | 15.6 | |
| 9.5 | 6.8 | 23.6 | | 6.5 | 12.7 | 20.0 | K | 9.5 | 8.6 | 15.3 | | 9.5 | 20.1 | 22.3 | | 9.1 | 14.4 | 55.1 | |
| 9.0 | 8.5 | 8.0 | K | 9.5 | 35.9 | 30.8 | | 9.5 | 18.3 | 31.6 | | 8.4 | 25.4 | 5.7 | Kb | 8.5 | 19.5 | 8.4 | Kb |
| 8.2 | 14.8 | 42.3 | B | 9.4 | 47.4 | 7.8 | | 9.5 | 47.9 | 48.3 | | 8.4 | 26.4 | 3.2 | K | 7.9 | 27.0 | 12.4 | K |
| 9.5 | 23.3 | 24.3 | | 9.5 | 50.2 | 47.3 | | 9.3 | 24 15.2 | 45.0 | | 8.7 | 33.1 | 37.5 | K | 8.4 | 50.4 | 3.0 | |
| 8.9 | 28.1 | 37.9 | | 9.3 | 53.7 | 58.9 | | 9.4 | 21.7 | 27.7 | | 8.8 | 40.5 | 32.8 | | 9.5 | 56.5 | 10.4 | |
| 9.5 | 28.2 | 42.7 | | 9.4 | 57.4 | 29.5 | | 9.5 | 26.0 | 36.0 | | 8.7 | 36 7.4 | 53.5 | | 8.6 | 47 6.6 | 42.3 | |
| 9.2 | 52.4 | 0.4 | | 9.4 | 18 3.9 | 55.6 | | 9.5 | 36.3 | 57.7 | | 9.2 | 19.0 | 35.0 | | 7.3 | 11.0 | 32.6 | K |
| 8.9 | 52.8 | 25.7 | | 9.5 | 4.1 | 34.8 | | 8.4 | 38.2 | 42.4 | K | 9.0 | 41.4 | 31.5 | K | 9.4 | 12.3 | 57.4 | |
| 9.5 | 10 1.5 | 54.8 | | 9.4 | 11.0 | 54.6 | | 8.0 | 44.7 | 18.5 | L | 9.3 | 49.9 | 30.1 | | 8.2 | 34.8 | 59.6 | B |
| 9.5 | 4.8 | 23.2 | | 9.5 | 26.1 | 39.2 | | 9.5 | 47.2 | 30.1 | | 9.5 | 37 6.2 | 44.9 | | 9.5 | 40.6 | 14.5 | |
| 9.3 | 9.0 | 36.8 | | 9.5 | 27.4 | 47.6 | | 9.5 | 25 3.6 | 34.4 | | 9.5 | 36.8 | 40.5 | | 7.9 | 44.9 | 44.7 | K |
| 9.5 | 18.4 | 5.4 | | 9.0 | 27.9 | 21.9 | | 9.5 | 9.7 | 17.8 | | 8.8 | 58.9 | 29.6 | | 9.5 | 46.2 | 57.5 | |
| 7.5 | 26.0 | 37.5 | L | 9.4 | 29.5 | 8.8 | | 8.7 | 54.1 | 41.5 | | 9.5 | 38 1.6 | 54.5 | | 9.5 | 50.9 | 31.6 | |
| 9.5 | 27.4 | 6.6 | | 9.4 | 31.7 | 17.9 | | 9.3 | 55.3 | 2.7 | | 8.6 | 2.4 | 3.9 | K | 9.5 | 54.5 | 43.7 | |
| 9.5 | 33.3 | 52.0 | | 9.5 | 33.5 | 8.8 | | 9.5 | 26 5.0 | 9.6 | | 9.5 | 7.6 | 17.5 | | 9.4 | 48 2.3 | 0.5 | |
| 8.8 | 34.6 | 36.8 | | 9.5 | 36.8 | 40.3 | | 9.4 | 7.4 | 7.6 | | 9.2 | 11.8 | 50.9 | | 9.5 | 18.4 | 25.2 | |
| 9.5 | 40.8 | 25.4 | | 9.4 | 40.1 | 14.8 | | 9.1 | 10.3 | 21.4 | | 8.9 | 12.0 | 8.3 | | 9.4 | 29.6 | 51.9 | |
| 9.1 | 42.6 | 13.4 | | 9.1 | 49.3 | 19.7 | | 8.7 | 12.7 | 24.0 | K | 6.5 | 14.4 | 5.8 | K | 9.5 | 32.8 | 22.6 | |
| 9.2 | 43.3 | 50.4 | | 9.5 | 51.2 | 45.1 | | 8.9 | 18.4 | 56.5 | | 9.3 | 16.5 | 50.3 | | 9.5 | 48.9 | 30.1 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 40.00 | 0.76 | | 10pr. | 40.07 | 0.65 | | 10pr. | 40.12 | 0.55 | | 10pr. | 40.19 | 0.39 | | 10pr. | 40.23 | 0.23 | |

1121ª 9.5 | 18 52.2 | 49.0

| 1301—1360 | | | | | 1361—1420 | | | | | 1421—1480 | | | | | 1481—1540 | | | | | 1541—1600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵘ—6ᵘ | | +35° | | | 6ᵘ | | +35° | | | 6ᵘ | | +35° | | | 6ᵘ | | +35° | | | 6ᵘ—7ᵘ | | +35° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.5 | 50 | 1.5 | 19.8 | | 9.3 | 3 | 14.5 | 26.0 | | 9.3 | 19 | 36.0 | 8.8 | | 9.4 | 35 | 2.1 | 44.8 | | 9.5 | 53 | 38.3 | 9.8 | |
| 8.9 | | 25.2 | 42.5 | | 8.2 | | 15.6 | 22.5 | K | 9.0 | | 42.4 | 17.1 | K | 9.5 | | 28.6 | 11.5 | | 9.4 | 54 | 38.6 | 21.9 | |
| 9.5 | | 45.9 | 54.3 | | 9.5 | | 39.8 | 45.3 | | 8.6 | | 47.3 | 26.8 | K | 9.5 | | 38.6 | 7.9 | | 9.4 | | 52.5 | 34.8 | |
| 7.3 | | 46.6 | 17.8 | K | 9.5 | | 51.0 | 13.5 | | 8.6 | | 55.0 | 45.3 | | 8.3 | | 38.8 | 41.3 | K | 9.0 | 55 | 0.6 | 47.7 | K |
| 9.5 | | 57.8 | 23.2 | | 9.5 | 5 | 6.3 | 33.9 | | 9.4 | 20 | 4.6 | 19.1 | | 9.3 | 36 | 23.2 | 11.2 | B | 8.1 | | 5.7 | 44.7 | K |
| 9.5 | 51 | 17.3 | 48.1 | | 8.9 | | 11.6 | 16.0 | | 8.9 | | 9.9 | 55.9 | | 9.3 | | 30.9 | 15.3 | | 9.3 | | 46.1 | 7.4 | |
| 9.5 | | 20.4 | 53.8 | | 9.5 | | 13.8 | 41.4 | | 8.6 | | 14.3 | 42.3 | | 8.7 | | 40.3 | 11.3 | B | 9.3 | | 56.7 | 24.6 | B |
| 8.3 | | 23.6 | 14.5 | K | 9.5 | | 23.8 | 22.0 | | 9.5 | | 38.8 | 5.6 | | 9.0 | | 58.1 | 16.8 | | 9.3 | 56 | 4.0 | 39.9 | |
| 9.1 | | 30.1 | 15.2 | K | 9.5 | | 30.4 | 40.4 | | 9.5 | | 39.5 | 59.5 | | 8.2 | 37 | 9.2 | 7.9 | K | 9.5 | | 11.1 | 22.6 | |
| 9.4 | | 40.0 | 35.0 | | 8.8 | | 41.2 | 2.2 | | 9.5 | 21 | 27.6 | 45.8 | | 9.3 | | 21.2 | 35.8 | | 9.2 | | 25.4 | 42.3 | B |
| 8.7 | | 47.5 | 11.8 | K | 9.1 | 6 | 13.1 | 34.1 | b | 9.5 | | 42.0 | 40.8 | | 8.0 | 38 | 35.6 | 24.4 | K | 9.5 | | 28.2 | 0.8 | |
| 9.2 | | 53.4 | 5.1 | Kb | 9.5 | | 34.0 | 1.6 | | 9.5 | | 52.5 | 13.3 | | 9.0 | | 59.5 | 23.4 | | 8.8 | 57 | 4.6 | 53.2 | |
| 9.0 | 52 | 10.2 | 43.4 | | 9.3 | | 44.6 | 44.8 | | 8.9 | 22 | 1.6 | 27.4 | | 9.5 | 39 | 53.0 | 19.4 | | 9.4 | | 28.5 | 45.8 | |
| 9.4 | | 16.3 | 50.8 | | 9.4 | 7 | 16.4 | 40.8 | | 9.5 | | 25.2 | 36.7 | | 9.3 | | 55.8 | 6.6 | | 9.0 | | 43.4 | 44.8 | K |
| 9.0 | | 20.0 | 37.0 | | 6.5 | | 50.8 | 11.4 | Kb | 9.5 | | 54.9 | 49.5 | B | 6.9 | 40 | 33.8 | 12.9 | L | 9.5 | | 59.5 | 19.0 | |
| 8.5 | | 35.8 | 19.6 | B | 8.5 | 8 | 7.8 | 22.3 | | 6.5 | | 58.1 | 24.3 | K | 8.7 | | 49.6 | 2.0 | K | 9.4 | 58 | 8.8 | 26.7 | |
| 9.5 | | 53.5 | 20.5 | | 8.6 | | 19.6 | 39.2 | | 6.8 | 23 | 3.2 | 9.7 | K | 9.1 | 41 | 9.7 | 32.3 | b | 9.1 | | 46.5 | 4.6 | b |
| 9.5 | | 58.4 | 3.0 | | 9.0 | | 36.3 | 50.3 | | 9.1 | | 16.6 | 5.6 | Kb | 9.5 | 42 | 10.0 | 38.1 | | 9.4 | | 57.8 | 35.4 | |
| 9.5 | | 58.9 | 32.1 | | 9.3 | 9 | 3.0 | 29.4 | | 9.4 | | 22.1 | 17.9 | | 9.3 | | 10.5 | 56.8 | | 9.4 | 59 | 20.0 | 37.4 | |
| 9.5 | 53 | 16.1 | 39.1 | | 7.0 | | 11.4 | 14.9 | Kb | 9.5 | | 46.4 | 9.5 | | 9.2 | | 12.1 | 18.4 | | 9.4 | | 22.5 | 34.4 | |
| 9.5 | | 32.7 | 21.3 | | 9.5 | | 46.1 | 31.4 | | 9.5 | | 49.0 | 47.8 | | 9.2 | | 30.3 | 51.0 | | 9.4 | | 24.2 | 44.4 | |
| 8.8 | | 50.3 | 49.6 | | 9.5 | | 50.3 | 17.8 | | 9.1 | | 54.0 | 31.3 | | 9.1 | | 33.7 | 20.4 | | 9.1 | | 39.0 | 1.0 | b |
| 9.5 | | 53.2 | 32.1 | | 8.8 | 10 | 9.2 | 5.6 | | 9.1 | | 56.0 | 32.8 | | 8.6 | | 34.0 | 29.2 | K | 8.9 | 0 | 24.0 | 40.4 | |
| 8.4 | | 58.5 | 8.1 | L | 9.5 | 11 | 13.1 | 32.8 | | 9.4 | 24 | 6.5 | 18.5 | | 9.4 | | 44.0 | 27.5 | | 9.5 | 1 | 15.1 | 50.4 | |
| 9.5 | 54 | 17.6 | 39.5 | | 9.5 | | 29.6 | 58.1 | | 9.4 | | 22.5 | 34.3 | | 8.5 | | 44.2 | 56.9 | | 9.2 | | 17.2 | 39.4 | |
| 9.4 | | 21.0 | 15.7 | | 9.3 | 12 | 8.1 | 29.8 | | 9.0 | | 44.1 | 33.8 | | 9.4 | | 46.3 | 13.6 | | 9.0 | | 38.1 | 52.6 | |
| 9.2 | | 40.9 | 56.5 | | 8.1 | | 15.6 | 17.0 | K | 9.0 | | 57.6 | 42.7 | | 9.5 | | 47.2 | 57.1 | | 9.5 | | 43.5 | 24.5 | B |
| 9.5 | 55 | 0.0 | 46.4 | | 9.1 | | 47.5 | 39.3 | | 9.5 | 25 | 23.9 | 5.5 | | 9.0 | | 52.8 | 39.8 | K | 9.4 | 2 | 1.9 | 24.6 | B |
| 8.8 | | 2.8 | 25.2 | K | 9.4 | | 59.5 | 30.7 | B | 9.5 | | 25.4 | 30.3 | | 9.5 | | 55.0 | 51.2 | | 8.6 | | 15.6 | 28.5 | K |
| 9.3 | | 13.4 | 29.1 | B | 9.5 | 13 | 1.6 | 20.9 | | 9.1 | | 28.5 | 2.5 | Kb | 9.5 | | 57.7 | 16.0 | | 8.5 | | 19.2 | 13.2 | |
| 9.4 | | 28.5 | 12.6 | | 9.2 | | 17.0 | 40.0 | B | 9.4 | | 54.6 | 27.3 | | 6.5 | 43 | 21.1 | 56.9 | K | 9.4 | | 20.5 | 25.1 | |
| 9.0 | | 33.9 | 28.4 | Kb | 7.0 | | 29.6 | 35.7 | K | 9.3 | | 57.2 | 56.3 | | 9.1 | | 31.0 | 30.3 | | 9.0 | | 50.3 | 2.0 | K |
| 9.5 | | 50.3 | 1.7 | | 9.5 | | 51.9 | 36.0 | | 8.8 | 26 | 40.9 | 20.3 | K | 8.4 | | 33.5 | 7.3 | | 9.5 | 3 | 2.1 | 26.0 | |
| 6.1 | 56 | 27.0 | 24.3 | L | 9.2 | 14 | 46.9 | 8.5 | | 9.1 | 27 | 7.9 | 51.2 | b | 9.4 | | 54.6 | 18.4 | | 9.3 | | 32.2 | 50.3 | |
| 9.3 | | 28.7 | 26.1 | | 8.3 | | 47.8 | 30.9 | | 9.5 | | 35.1 | 53.6 | | 9.5 | 44 | 25.0 | 54.2 | | 9.4 | | 38.9 | 46.9 | |
| 9.4 | | 31.5 | 11.6 | | 9.5 | | 52.8 | 55.0 | | 9.5 | | 37.5 | 45.3 | | 8.8 | | 34.1 | 41.4 | K | 8.2 | | 48.0 | 55.9 | Kb |
| 9.1 | 57 | 5.3 | 43.3 | | 7.5 | | 57.0 | 19.4 | K | 9.5 | 28 | 3.1 | 21.3 | | 8.5 | | 43.1 | 29.4 | K | 9.0 | 4 | 13.2 | 7.0 | K |
| 8.9 | | 17.8 | 28.0 | | 9.3 | | 59.5 | 49.9 | | 9.4 | 29 | 4.8 | 44.2 | | 9.5 | | 49.7 | 31.2 | | 7.5 | | 30.1 | 47.6 | K |
| 7.7 | | 24.3 | 14.4 | L | 8.1 | 15 | 1.5 | 13.3 | K | 9.5 | | 12.0 | 21.8 | | 9.4 | 45 | 20.0 | 56.8 | | 9.4 | | 50.0 | 34.4 | |
| 9.1 | | 43.8 | 39.4 | | 9.5 | | 13.3 | 47.9 | | 9.4 | | 54.0 | 11.9 | | 9.2 | | 57.4 | 20.9 | | 9.4 | | 58.1 | 32.1 | |
| 8.5 | | 45.5 | 41.9 | | 8.9 | | 42.1 | 47.8 | | 9.4 | 30 | 9.6 | 2.7 | R | 9.5 | 46 | 5.3 | 38.8 | | 9.4 | 5 | 49.9 | 28.4 | |
| 9.0 | 58 | 23.3 | 20.0 | | 9.5 | | 57.0 | 32.8 | | 8.6 | | 24.3 | 32.8 | K | 8.7 | | 6.8 | 1.6 | Kb | 9.5 | 6 | 9.8 | 3.6 | |
| 9.3 | | 26.9 | 2.7 | | 9.2 | 16 | 4.7 | 54.5 | | 9.5 | | 39.8 | 2.5 | | 9.3 | | 15.7 | 49.8 | | 9.5 | | 20.9 | 38.8 | |
| 9.4 | | 39.1 | 34.9 | | 9.5 | | 59.1 | 12.4 | | 8.3 | | 56.0 | 41.8 | K | 9.0 | 47 | 37.1 | 27.3 | K | 8.5 | | 51.4 | 16.2 | Kb |
| 8.0 | | 47.9 | 8.3 | K | 9.5 | 17 | 6.0 | 44.8 | | 8.8 | 31 | 14.8 | 12.3 | | 9.2 | | 53.0 | 44.2 | | 9.3 | | 53.9 | 2.3 | |
| 9.1 | | 56.5 | 7.4 | K | 9.3 | | 10.6 | 3.2 | Sb | 8.8 | | 15.1 | 4.3 | | 9.5 | 48 | 15.2 | 12.3 | | 9.5 | 7 | 6.9 | 33.0 | B |
| 9.2 | 59 | 13.1 | 2.3 | | 9.5 | | 14.1 | 6.2 | | 9.3 | | 45.0 | 31.8 | | 9.4 | | 43.1 | 2.0 | | 8.9 | | 54.8 | 20.8 | |
| 9.5 | | 23.0 | 37.4 | | 7.9 | | 18.1 | 30.8 | K | 9.0 | | 53.7 | 39.3 | K | 9.4 | | 50.6 | 22.8 | | 8.0 | 8 | 30.8 | 12.4 | B |
| 9.3 | | 55.7 | 56.0 | | 9.4 | | 29.6 | 31.4 | | 9.4 | 32 | 42.6 | 28.4 | | 9.3 | 49 | 10.5 | 29.8 | | 9.1 | | 42.3 | 27.5 | b |
| 9.1 | 0 | 8.3 | 23.5 | b | 9.4 | | 42.6 | 27.2 | | 9.1 | | 55.4 | 3.0 | | 9.3 | | 29.1 | 52.6 | | 9.4 | 9 | 14.5 | 5.1 | |
| 9.5 | | 48.8 | 15.5 | | 9.5 | | 46.0 | 23.0 | | 9.2 | 33 | 2.3 | 37.7 | | 8.8 | | 39.8 | 15.5 | K | 9.3 | | 18.4 | 38.4 | |
| 9.5 | 1 | 13.6 | 55.4 | | 8.7 | | 50.2 | 1.8 | S | 8.9 | | 27.1 | 41.3 | R | 8.8 | | 40.3 | 23.9 | K | 9.4 | | 18.8 | 34.4 | |
| 9.5 | | 20.8 | 50.3 | | 9.3 | | 53.2 | 19.0 | B | 9.1 | | 27.2 | 37.9 | | 8.5 | 50 | 7.6 | 40.3 | K | 7.0 | | 25.9 | 25.5 | K |
| 9.5 | | 23.8 | 16.4 | | 9.3 | 18 | 3.6 | 48.2 | | 9.3 | | 49.6 | 11.8 | | 8.6 | | 25.6 | 27.9 | | 8.9 | 11 | 52.5 | 52.5 | Kb |
| 9.5 | | 49.8 | 22.5 | | 8.2 | | 4.5 | 25.4 | L | 9.2 | | 57.4 | 44.7 | B | 8.8 | | 36.0 | 38.8 | B | 9.5 | 12 | 13.4 | 50.8 | |
| 8.5 | 2 | 14.3 | 32.4 | K | 8.1 | | 11.4 | 5.3 | B | 8.0 | 34 | 5.3 | 22.4 | L | 9.5 | | 49.6 | 51.7 | | 8.3 | | 15.5 | 10.3 | K |
| 9.5 | | 25.7 | 8.5 | B | 8.7 | | 43.9 | 7.1 | | 9.1 | | 11.1 | 54.0 | | 9.5 | 51 | 1.9 | 33.3 | | 9.4 | 13 | 2.5 | 15.0 | |
| 8.8 | | 26.7 | 11.1 | K | 9.5 | | 48.2 | 59.9 | | 9.5 | | 20.2 | 21.8 | | 9.0 | | 3.6 | 16.2 | B | 9.3 | | 3.3 | 41.0 | R |
| 9.2 | | 45.3 | 33.4 | | 8.5 | | 53.0 | 51.7 | | 9.5 | | 30.1 | 11.3 | | 8.4 | | 44.5 | 11.9 | | 9.3 | | 10.0 | 8.3 | |
| 8.6 | 3 | 13.8 | 11.0 | K | 8.5 | 19 | 0.1 | 20.8 | K | 9.5 | | 35.9 | 14.6 | B | 9.1 | 52 | 58.5 | 19.8 | b | 8.4 | | 48.5 | 26.5 | |
| | | + | + | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 40.26 | 0.07 | | 10pr. | | 40.24 | 0.19 | | 10pr. | | 40.19 | 0.38 | | 10pr. | | 40.08 | 0.62 | | 10pr. | | 39.90 | 0.90 | |

| 1601—1660 | | | | | 1661—1720 | | | | | 1721—1780 | | | | | 1781—1840 | | | | | 1841—1900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵐ | | +35° | | | 7ᵐ | | +35° | | | 7ᵐ—8ᵐ | | +35° | | | 8ᵐ | | +35° | | | 8ᵐ | | +35° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 13 | 48.5 | 18.6 | K | 9.5 | 27 | 52.5 | 35.4 | | 9.5 | 49 | 32.2 | 51.5 | | 8.3 | 4 | 52.1 | 40.8 | K | 9.1 | 26 | 4.5 | 56.4 | |
| 9.4 | | 55.2 | 24.9 | B | 5.8 | 29 | 1.5 | 23.0 | Kb | 7.0 | 50 | 0.7 | 5.0 | K | 9.5 | 5 | 7.3 | 6.3 | | 9.5 | | 20.2 | 14.4 | |
| 9.0 | 14 | 13.7 | 56.4 | | 9.2 | | 15.2 | 22.2 | | 9.4 | | 17.3 | 23.6 | | 9.4 | | 9.5 | 58.4 | | 9.0 | | 21.9 | 5.7 | |
| 8.3 | | 15.5 | 46.1 | K | 9.1 | | 50.0 | 9.3 | | 9.5 | | 41.0 | 22.7 | | 8.7 | | 16.4 | 52.4 | B | 9.4 | | 35.0 | 51.4 | |
| 9.3 | | 25.0 | 13.8 | | 9.5 | 30 | 39.1 | 15.1 | | 9.5 | | 54.3 | 5.0 | | 9.4 | 6 | 26.7 | 49.3 | | 8.6 | 27 | 24.0 | 19.5 | K |
| 9.4 | 15 | 7.9 | 53.9 | | 8.3 | 31 | 12.7 | 0.9 | K | 9.5 | 51 | 2.1 | 0.7 | | 9.2 | | 40.5 | 58.0 | | 8.8 | | 29.0 | 13.0 | K |
| 9.5 | | 16.4 | 26.2 | B | 9.5 | | 29.8 | 46.0 | | 9.0 | | 4.8 | 59.7 | Kb | 9.0 | | 52.1 | 47.5 | | 9.1 | | 55.2 | 43.1 | b |
| 9.4 | | 59.8 | 20.6 | | 8.8 | 32 | 2.5 | 6.7 | K | 8.6 | 52 | 9.9 | 1.2 | K | 9.5 | | 53.3 | 32.9 | | 8.6 | 28 | 38.6 | 14.4 | K |
| 8.6 | 16 | 6.3 | 36.9 | K | 8.7 | | 2.6 | 4.3 | K | 9.3 | | 10.4 | 34.5 | | 7.6 | 7 | 3.8 | 59.7 | K | 9.4 | | 49.1 | 41.3 | |
| 9.4 | | 23.6 | 7.1 | | 8.8 | | 28.5 | 48.4 | K | 9.5 | | 15.6 | 55.2 | | 8.7 | | 7.6 | 56.3 | K | 9.4 | 29 | 36.7 | 34.9 | |
| 9.5 | | 53.8 | 35.5 | | 9.3 | 33 | 59.7 | 2.9 | | 6.5 | | 29.8 | 48.2 | K | 9.5 | | 20.7 | 44.9 | | 8.2 | | 48.7 | 14.9 | K |
| 9.4 | 17 | 10.5 | 6.2 | | 9.5 | 34 | 7.0 | 57.9 | | 9.4 | | 31.5 | 17.3 | | 9.3 | 8 | 9.0 | 9.8 | | 7.9 | 30 | 2.5 | 28.4 | K |
| 8.8 | | 30.0 | 47.4 | K | 9.2 | | 8.8 | 42.1 | b | 9.3 | | 37.4 | 52.5 | | 9.5 | | 18.6 | 38.9 | | 9.2 | | 7.5 | 39.6 | B |
| 9.4 | | 39.8 | 33.0 | B | 9.3 | | 59.3 | 30.9 | B | 9.5 | 53 | 6.3 | 42.5 | | 9.5 | | 20.5 | 40.4 | | 9.0 | | 32.3 | 23.5 | |
| 9.5 | | 52.8 | 27.0 | | 9.5 | 35 | 20.0 | 12.0 | | 9.4 | | 15.7 | 58.9 | | 9.3 | | 48.7 | 57.9 | | 9.5 | 31 | 10.6 | 9.0 | |
| 9.5 | | 57.2 | 12.0 | B | 9.5 | 36 | 13.5 | 36.5 | | 9.5 | | 35.5 | 59.2 | | 9.5 | 9 | 6.4 | 37.3 | | 9.0 | | 26.4 | 38.0 | B |
| 9.4 | 18 | 0.0 | 31.7 | | 9.3 | | 20.1 | 59.7 | | 9.4 | 54 | 1.0 | 8.4 | | 9.5 | | 26.1 | 14.5 | | 8.4 | | 32.4 | 19.9 | K |
| 8.8 | | 6.3 | 55.3 | K | 9.5 | | 50.2 | 45.8 | | 9.3 | | 7.1 | 25.0 | | 9.2 | | 33.4 | 40.9 | | 9.2 | | 49.3 | 42.0 | |
| 9.3 | | 26.7 | 43.5 | B | 7.5 | 37 | 36.6 | 18.4 | K | 9.4 | | 18.6 | 30.6 | | 9.3 | | 37.7 | 53.7 | | 9.0 | 32 | 31.1 | 16.5 | |
| 9.5 | | 37.1 | 42.3 | | 8.5 | | 37.3 | 23.7 | K | 9.2 | | 26.4 | 5.1 | | 9.5 | | 47.4 | 4.2 | | 9.5 | 33 | 6.7 | 20.0 | |
| 8.2 | | 42.0 | 23.6 | K | 9.5 | | 54.5 | 48.4 | | 8.5 | | 27.2 | 48.3 | K | 8.6 | 10 | 8.2 | 29.5 | K | 9.5 | | 29.5 | 38.4 | |
| 8.8 | 19 | 31.2 | 38.4 | R | 9.2 | 38 | 2.0 | 23.7 | B | 9.0 | 55 | 1.7 | 5.6 | | 7.5 | | 13.4 | 30.4 | K | 9.5 | 34 | 16.1 | 55.2 | |
| 7.5 | | 55.5 | 6.2 | K | 9.5 | | 22.8 | 52.6 | | 9.2 | | 2.6 | 21.2 | | 7.3 | | 28.2 | 39.1 | K | 9.5 | | 16.5 | 34.9 | |
| 7.2 | | 57.7 | 28.2 | K | 9.1 | | 57.5 | 13.6 | | 8.3 | | 13.8 | 15.4 | K | 8.3 | | 34.7 | 46.8 | B | 8.5 | | 50.6 | 33.4 | K |
| 9.5 | 20 | 16.3 | 48.5 | | 9.5 | 39 | 32.0 | 28.5 | | 9.5 | 56 | 4.3 | 39.4 | | 9.3 | | 50.4 | 39.9 | | 9.5 | 35 | 0.7 | 33.8 | |
| 9.3 | | 44.5 | 51.3 | | 9.4 | 40 | 30.7 | 11.0 | B | 9.5 | | 7.5 | 45.5 | | 9.0 | 11 | 41.5 | 53.8 | | 9.5 | | 20.4 | 23.9 | |
| 9.2 | | 45.0 | 24.8 | | 9.2 | | 38.0 | 35.0 | b | 9.3 | | 8.8 | 51.2 | | 9.5 | | 48.8 | 10.0 | | 9.3 | 36 | 54.0 | 40.4 | |
| 8.9 | | 46.7 | 1.6 | | 9.4 | | 46.1 | 47.8 | | 9.5 | | 38.5 | 17.6 | | 8.0 | | 51.2 | 47.2 | K | 8.8 | 37 | 20.9 | 16.8 | K |
| 9.2 | 21 | 23.3 | 41.5 | | 9.5 | 41 | 19.2 | 16.1 | | 8.6 | | 46.8 | 4.3 | B | 9.1 | | 57.4 | 25.5 | | 9.5 | | 39.8 | 37.2 | |
| 9.5 | | 24.0 | 58.4 | | 9.5 | | 36.4 | 52.8 | | 9.4 | | 58.4 | 39.1 | | 9.3 | 12 | 20.7 | 0.8 | aB | 9.3 | 38 | 8.9 | 6.4 | |
| 9.5 | | 31.4 | 6.2 | | 9.1 | | 39.8 | 21.1 | | 8.9 | | 58.6 | 11.0 | | 9.5 | | 23.1 | 57.8 | | 7.7 | 39 | 9.2 | 8.6 | K |
| 9.2 | | 37.1 | 32.2 | | 8.8 | | 46.9 | 21.2 | K | 8.8 | 57 | 10.2 | 10.5 | | 9.5 | 13 | 21.7 | 9.1 | | 9.4 | | 11.8 | 23.3 | |
| 9.3 | | 38.9 | 58.0 | | 9.5 | 42 | 18.0 | 13.7 | | 9.2 | | 29.0 | 1.1 | | 9.3 | | 35.4 | 1.7 | | 9.2 | | 15.0 | 41.7 | |
| 9.5 | 22 | 25.0 | 39.0 | | 9.3 | | 24.2 | 52.3 | | 7.8 | | 34.4 | 10.7 | K | 8.5 | | 45.7 | 57.1 | K | 9.5 | | 58.7 | 30.3 | |
| 7.0 | | 26.4 | 54.3 | K | 9.2 | | 39.2 | 14.2 | | 9.3 | | 35.6 | 45.0 | | 9.1 | 14 | 23.2 | 10.6 | b | 8.0 | 40 | 52.4 | 55.0 | K |
| 9.3 | | 42.8 | 21.6 | | 9.0 | | 44.1 | 19.9 | B | 9.2 | | 39.0 | 22.2 | | 9.5 | 15 | 10.4 | 31.4 | | 8.0 | 41 | 8.8 | 33.3 | K |
| 9.0 | | 46.5 | 37.8 | | 9.5 | | 55.2 | 14.7 | | 9.5 | | 54.0 | 9.7 | | 9.4 | | 15.2 | 2.6 | | 9.4 | | 11.5 | 36.2 | |
| 9.4 | 23 | 1.5 | 34.0 | | 9.0 | 43 | 12.0 | 17.0 | B | 9.5 | | 55.1 | 58.3 | | 9.5 | | 34.1 | 58.1 | | 7.0 | | 38.3 | 36.2 | K |
| 9.5 | | 11.2 | 8.8 | | 9.3 | | 12.4 | 42.8 | | 9.5 | 59 | 2.5 | 51.0 | | 6.0 | | 47.9 | 29.9 | K | 9.3 | | 50.7 | 12.4 | |
| 9.4 | | 21.1 | 5.6 | aBb | 9.5 | | 33.8 | 19.6 | | 8.8 | | 8.7 | 44.5 | | 9.2 | 16 | 1.5 | 4.3 | | 8.0 | | 53.2 | 20.2 | L |
| 8.8 | | 59.3 | 45.5 | K | 9.2 | 44 | 45.2 | 42.1 | | 8.8 | | 25.0 | 18.3 | | 9.5 | | 11.0 | 52.8 | | 8.4 | 42 | 9.3 | 15.3 | L |
| 9.3 | 24 | 6.8 | 51.8 | | 8.5 | | 52.4 | 8.1 | K | 9.2 | | 48.9 | 27.2 | | 9.5 | | 24.7 | 5.7 | | 9.5 | | 55.4 | 32.8 | |
| 9.5 | | 28.5 | 56.0 | | 9.0 | 45 | 17.1 | 47.3 | | 9.5 | | 49.6 | 4.1 | | 9.5 | | 54.5 | 47.9 | | 8.8 | 43 | 1.5 | 46.8 | Kb |
| 9.0 | | 47.5 | 35.8 | K | 9.0 | | 18.2 | 27.5 | | 9.5 | 0 | 0.0 | 58.0 | | 9.4 | | 56.8 | 56.4 | | 9.4 | | 17.0 | 6.9 | |
| 9.4 | | 50.8 | 23.1 | | 6.5 | 46 | 13.6 | 47.8 | K | 8.9 | | 24.0 | 49.5 | K | 9.5 | 17 | 33.0 | 18.6 | B | 9.0 | | 34.6 | 33.7 | |
| 9.2 | 25 | 1.2 | 37.6 | K | 9.5 | | 18.5 | 40.0 | | 9.5 | | 43.5 | 33.0 | | 9.3 | 18 | 31.4 | 57.8 | | 7.8 | | 48.2 | 17.8 | K |
| 9.4 | | 1.4 | 59.1 | B | 9.5 | | 21.2 | 53.2 | | 6.5 | | 44.7 | 54.4 | Kb | 9.5 | | 44.2 | 37.8 | | 9.5 | | 51.9 | 6.9 | |
| 9.5 | | 23.3 | 52.5 | | 9.5 | | 21.3 | 24.8 | B | 9.0 | | 54.7 | 26.2 | | 8.8 | | 56.9 | 32.9 | | 9.5 | | 57.4 | 22.8 | |
| 8.5 | | 44.5 | 22.9 | K | 8.9 | | 24.9 | 16.0 | | 8.7 | 1 | 6.5 | 20.5 | | 9.5 | 19 | 9.5 | 7.6 | | 9.5 | 44 | 0.0 | 1.5 | |
| 9.4 | | 57.5 | 0.8 | | 9.4 | | 32.8 | 4.8 | | 9.0 | | 29.7 | 26.2 | | 9.5 | 20 | 3.0 | 24.0 | | 8.9 | | 41.8 | 46.6 | B |
| 9.1 | 26 | 14.8 | 38.4 | | 9.5 | 47 | 8.5 | 30.5 | | 8.6 | | 30.4 | 7.8 | R | 7.8 | | 28.7 | 27.4 | Kb | 9.2 | | 44.8 | 40.1 | |
| 8.0 | | 18.2 | 11.0 | K | 9.5 | | 13.5 | 19.5 | | 9.2 | | 31.0 | 43.5 | | 7.8 | 21 | 47.4 | 51.8 | K | 8.0 | | 53.6 | 23.8 | K |
| 8.6 | | 38.9 | 18.0 | K | 9.0 | | 18.1 | 14.7 | B | 9.3 | | 45.1 | 52.1 | | 9.1 | | 54.9 | 0.3 | B | 9.5 | 45 | 2.7 | 5.4 | |
| 9.3 | | 49.4 | 17.0 | B | 9.5 | | 54.6 | 47.0 | | 9.5 | 2 | 21.0 | 48.3 | | 7.0 | 22 | 20.4 | 27.5 | K | 8.5 | | 7.5 | 36.2 | K |
| 9.5 | | 57.7 | 52.3 | | 9.5 | 48 | 20.5 | 45.0 | | 9.5 | | 27.1 | 55.9 | | 8.8 | | 57.9 | 10.2 | | 8.8 | | 19.6 | 49.1 | K |
| 8.3 | | 58.0 | 44.8 | K | 9.3 | | 32.9 | 38.9 | B | 8.3 | | 34.8 | 46.1 | K | 8.8 | 23 | 1.1 | 2.3 | | 9.4 | | 25.2 | 14.7 | B |
| 8.7 | 27 | 10.3 | 42.7 | S | 9.3 | | 34.0 | 55.0 | | 8.4 | 4 | 0.0 | 2.9 | Kb | 9.4 | | 11.8 | 37.6 | B | 9.5 | | 48.8 | 37.2 | |
| 9.0 | | 31.6 | 34.5 | K | 9.5 | | 41.3 | 12.8 | B | 9.5 | | 5.0 | 28.9 | | 8.3 | | 24.6 | 3.1 | K | 9.5 | | 51.3 | 34.2 | |
| 9.4 | | 36.1 | 15.6 | | 9.5 | | 49.8 | 19.2 | | 9.1 | | 13.9 | 3.2 | | 8.8 | 24 | 55.1 | 9.0 | | 9.2 | 46 | 8.8 | 42.7 | |
| 9.5 | | 51.0 | 21.6 | | 8.0 | | 52.3 | 19.3 | K | 9.3 | | 51.3 | 59.1 | | 9.5 | 26 | 1.2 | 33.8 | | 7.7 | | 18.9 | 40.2 | L |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 39.66 | 1.16 | | 10pr. | | 39.33 | 1.43 | | 10pr. | | 39.04 | 1.63 | | 10pr. | | 38.71 | 1.83 | | 10pr. | | 38.07 | 2.13 | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ—9ᵘ | | +35° | | | 9ᵘ | | +35° | | | 9ᵘ | | +35° | | | 9ᵘ—10ᵘ | | +35° | | | 10ᵘ | | +35° | |
| m | | ′ ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 46 | 38.2 | 17.8 | | 9.5 | 4 | 58.4 | 4.4 | dB | 9.2 | 24 | 49.0 | 48.1 | | 9.2 | 47 | 40.4 | 18.9 | | 9.4 | 18 | 7.5 | 1.8 | |
| 9.5 | | 53.8 | 7.1 | | 9.5 | 5 | 52.4 | 23.3 | | 7.5 | 25 | 26.0 | 26.3 | L | 9.5 | | 42.6 | 47.0 | | 9.4 | | 15.3 | 48.2 | |
| 9.3 | | 57.0 | 19.8 | | 9.0 | | 54.3 | 1.1 | K | 9.3 | 26 | 26.3 | 36.6 | | 9.5 | 48 | 18.3 | 57.8 | | 9.5 | | 18.4 | 54.1 | |
| 7.9 | | 59.4 | 56.8 | K | 9.3 | | 58.2 | 5.5 | | 9.4 | | 27.8 | 42.5 | | 8.4 | | 46.0 | 50.4 | K | 9.3 | 19 | 1.6 | 8.0 | |
| 7.5 | 47 | 59.5 | 34.2 | K | 9.0 | 6 | 16.4 | 57.8 | | 9.3 | | 28.9 | 15.4 | | 9.5 | | 55.5 | 9.8 | | 9.2 | | 52.8 | 17.3 | K |
| 9.3 | 48 | 10.2 | 42.7 | | 6.3 | | 20.3 | 13.5 | Kb | 7.5 | | 57.8 | 23.8 | K | 7.0 | 49 | 12.0 | 47.8 | K | 8.5 | 20 | 32.1 | 37.5 | K |
| 9.4 | | 12.8 | 44.1 | | 9.0 | 7 | 18.3 | 18.4 | K | 9.1 | 27 | 16.4 | 28.8 | b | 9.5 | | 13.1 | 1.5 | | 8.6 | | 38.8 | 35.8 | K |
| 9.4 | | 42.9 | 9.1 | | 9.5 | | 40.4 | 1.2 | | 9.5 | | 49.9 | 28.8 | | 9.5 | | 13.1 | 9.2 | B | 8.5 | 21 | 26.2 | 33.7 | K |
| 9.0 | | 58.7 | 14.8 | | 8.4 | | 56.9 | 45.0 | K | 9.5 | 28 | 50.6 | 50.9 | | 9.5 | | 55.4 | 46.9 | B | 9.3 | | 43.4 | 46.7 | K |
| 9.2 | 49 | 35.9 | 46.0 | | 9.1 | 8 | 28.3 | 0.2 | b | 9.5 | 29 | 1.4 | 29.3 | | 9.5 | 50 | 10.8 | 51.4 | | 9.5 | 22 | 28.8 | 42.0 | |
| 9.0 | 50 | 10.3 | 37.2 | K | 6.7 | 9 | 29.0 | 57.6 | K | 9.5 | | 10.8 | 13.5 | | 9.1 | 51 | 26.6 | 46.5 | | 9.0 | 23 | 52.0 | 43.7 | K |
| 8.4 | | 12.8 | 30.8 | K | 9.5 | | 35.4 | 19.9 | | 9.5 | 30 | 10.0 | 2.0 | | 9.5 | | 47.4 | 59.3 | | 9.5 | 24 | 13.6 | 56.2 | |
| 7.7 | | 43.0 | 22.8 | L | 9.5 | | 51.5 | 14.4 | | 7.0 | | 42.0 | 53.3 | Kb | 9.5 | 52 | 26.5 | 51.8 | | 9.1 | | 42.1 | 15.6 | K |
| 8.6 | | 44.9 | 4.3 | Kb | 8.8 | | 53.1 | 43.5 | | 7.0 | 31 | 12.0 | 59.6 | K | 8.5 | | 41.3 | 19.9 | K | 6.0 | 25 | 13.4 | 45.1 | K |
| 8.2 | 51 | 16.2 | 24.8 | L | 8.7 | 10 | 41.0 | 6.7 | K | 9.5 | | 33.4 | 6.5 | | 9.5 | 53 | 26.9 | 57.3 | | 9.2 | | 38.5 | 31.0 | K |
| 8.5 | | 33.5 | 46.2 | K | 9.1 | 11 | 4.8 | 32.7 | | 8.4 | 32 | 13.2 | 1.1 | K | 9.5 | | 50.4 | 21.3 | | 9.0 | 26 | 18.8 | 26.1 | K |
| 9.2 | | 41.1 | 5.0 | | 8.5 | | 37.7 | 43.5 | | 8.6 | | 37.8 | 45.0 | K | 9.4 | 54 | 25.0 | 55.7 | | 9.5 | | 29.2 | 6.9 | |
| 9.4 | | 50.8 | 51.3 | | 8.9 | 12 | 11.4 | 14.4 | | 9.5 | 33 | 2.9 | 51.9 | | 8.5 | 55 | 46.9 | 11.8 | B | 9.2 | | 45.8 | 53.1 | K |
| 9.5 | 52 | 42.0 | 18.7 | | 3.1 | | 13.1 | 0.6 | K | 7.5 | | 8.8 | 13.0 | S | 8.2 | 56 | 0.5 | 47.4 | K | 9.0 | | 47.8 | 52.8 | K |
| 9.4 | | 56.5 | 52.8 | B | 7.8 | | 18.9 | 33.5 | B | 9.3 | | 31.0 | 0.6 | | 9.5 | | 44.8 | 53.3 | | 9.1 | 27 | 7.0 | 12.1 | |
| 9.5 | 53 | 6.1 | 51.9 | | 8.6 | | 22.1 | 2.5 | K | 8.0 | | 45.7 | 39.1 | L | 7.5 | 57 | 4.3 | 22.4 | L | 8.5 | 28 | 5.5 | 52.4 | Kb |
| 8.9 | | 28.0 | 56.5 | K | 9.4 | | 57.3 | 49.9 | | 6.5 | | 58.2 | 44.0 | Kb | 7.0 | | 16.3 | 41.5 | K | 8.3 | | 7.7 | 36.6 | K |
| 9.5 | | 32.7 | 59.6 | | 9.4 | 13 | 0.4 | 48.9 | B | 8.2 | 34 | 6.3 | 1.7 | K | 9.2 | | 33.3 | 18.2 | | 9.5 | | 20.0 | 5.6 | |
| 9.1 | | 59.3 | 30.3 | | 9.5 | | 11.3 | 47.4 | | 9.1 | | 38.9 | 34.6 | K | 9.4 | | 41.9 | 23.0 | | 9.2 | | 28.1 | 35.1 | K |
| 8.9 | 54 | 1.2 | 13.0 | K | 8.8 | | 22.9 | 26.3 | K | 9.5 | 35 | 3.2 | 3.4 | | 9.0 | | 47.8 | 39.0 | | 9.2 | | 53.4 | 52.2 | K |
| 9.5 | | 6.3 | 49.7 | | 8.8 | | 27.0 | 37.1 | | 7.7 | | 32.3 | 21.8 | K | 8.4 | 58 | 15.5 | 3.6 | K | 8.7 | 29 | 16.8 | 29.9 | K |
| 9.5 | | 7.7 | 10.4 | | 9.3 | 14 | 0.8 | 29.8 | | 9.0 | | 57.3 | 54.2 | | 9.4 | | 23.6 | 31.6 | | 9.2 | | 56.5 | 36.5 | K |
| 9.5 | | 21.0 | 5.5 | | 9.5 | | 25.1 | 34.1 | | 8.4 | 36 | 1.4 | 37.6 | K | 8.7 | | 26.7 | 49.5 | K | 9.3 | 30 | 45.7 | 39.4 | B |
| 9.3 | | 55.8 | 13.3 | | 7.7 | | 57.9 | 10.1 | L | 8.9 | | 49.9 | 36.1 | K | 9.4 | | 44.9 | 39.1 | | 9.5 | 31 | 17.9 | 12.4 | |
| 8.8 | 55 | 12.2 | 35.7 | | 8.4 | 15 | 9.3 | 22.4 | K | var | | 52.8 | 10.4 | L | 4.4 | | 51.8 | 57.7 | Kb | 9.5 | | 43.1 | 49.9 | |
| 8.1 | | 18.0 | 7.1 | L | 9.2 | | 16.4 | 25.3 | | 9.1 | 37 | 27.4 | 32.6 | | 9.5 | 59 | 23.9 | 5.3 | | 9.5 | 32 | 53.6 | 33.8 | |
| 9.3 | | 23.0 | 46.9 | | 8.8 | | 19.3 | 54.7 | | 9.5 | | 28.9 | 58.2 | B | 9.0 | 0 | 17.4 | 12.4 | | 8.5 | | 57.4 | 26.8 | K |
| 8.7 | | 45.5 | 10.6 | L | 9.5 | | 24.6 | 8.2 | | 9.5 | 38 | 20.4 | 19.4 | | 9.0 | 2 | 21.7 | 9.9 | K | 8.7 | 33 | 46.7 | 2.0 | K |
| 9.5 | 56 | 36.9 | 2.9 | | 9.3 | 16 | 8.9 | 57.3 | | 9.0 | | 20.7 | 1.9 | K | 9.0 | | 31.4 | 20.9 | | 9.3 | | 50.1 | 16.2 | B |
| 8.6 | | 42.8 | 19.8 | | 7.8 | | 43.7 | 46.1 | K | 9.1 | | 21.1 | 52.0 | K | 9.1 | | 35.7 | 33.8 | b | 7.8 | 34 | 54.4 | 55.6 | K |
| 9.5 | 57 | 13.8 | 59.7 | B | 8.1 | | 52.0 | 53.0 | K | 9.0 | | 22.2 | 33.6 | K | 9.1 | | 42.4 | 7.9 | K | 8.4 | 35 | 0.5 | 30.9 | |
| 8.0 | | 35.0 | 27.3 | K | 8.9 | 17 | 2.8 | 38.6 | | 9.5 | 39 | 3.9 | 17.4 | | 9.3 | 4 | 5.1 | 56.2 | Kb | 9.2 | | 19.4 | 15.5 | K |
| 8.5 | | 42.6 | 54.9 | K | 9.5 | | 22.6 | 55.4 | B | 9.5 | | 22.5 | 53.0 | | 9.5 | | 21.4 | 34.6 | | 9.1 | | 47.4 | 31.3 | K |
| 9.5 | | 51.5 | 43.7 | | 9.2 | | 23.8 | 12.0 | B | 8.9 | | 27.6 | 5.3 | K | 9.5 | | 44.9 | 53.6 | | 9.4 | 37 | 40.0 | 51.0 | B |
| 8.5 | | 53.2 | 5.9 | | 9.5 | | 26.7 | 51.9 | | 9.5 | | 49.4 | 57.8 | | 9.1 | 5 | 40.3 | 46.9 | K | 9.2 | 38 | 21.9 | 41.0 | |
| 9.0 | 58 | 9.3 | 20.8 | | 8.8 | 18 | 0.0 | 4.9 | K | 9.5 | 40 | 3.7 | 25.8 | | 9.2 | 7 | 10.2 | 15.6 | | 8.5 | | 33.1 | 28.4 | L |
| 9.5 | | 47.7 | 51.2 | | 9.0 | | 40.3 | 19.4 | Kb | 9.2 | | 52.8 | 13.0 | b | 6.8 | | 41.7 | 53.5 | K | 9.5 | | 41.7 | 41.0 | |
| 9.5 | 59 | 24.9 | 10.5 | | 9.5 | | 40.4 | 45.0 | | 9.5 | 41 | 4.6 | 36.6 | | 8.5 | | 45.5 | 7.2 | Kb | 9.5 | | 48.6 | 33.9 | |
| 9.5 | | 37.0 | 30.2 | | 8.8 | | 44.1 | 30.3 | | 9.4 | | 58.3 | 17.2 | | 9.5 | 9 | 7.4 | 32.0 | | 9.5 | | 55.1 | 55.6 | |
| 7.9 | | 40.6 | 56.5 | K | 8.5 | | 45.3 | 25.3 | K | 9.4 | 42 | 8.9 | 17.7 | Bb | 9.4 | | 9.5 | 8.8 | | 8.9 | 39 | 34.9 | 23.1 | Kb |
| 9.5 | | 45.8 | 51.2 | | 9.5 | 20 | 45.6 | 46.0 | | 9.5 | | 51.1 | 38.1 | | 9.5 | 10 | 32.9 | 22.3 | b | 9.4 | 40 | 33.2 | 50.0 | |
| 8.6 | | 51.2 | 24.8 | | 9.5 | 21 | 16.4 | 15.9 | | 9.4 | 43 | 28.6 | 4.3 | | 9.4 | 12 | 22.9 | 40.8 | | 9.3 | | 35.8 | 54.7 | B |
| 9.1 | 1 | 0.2 | 28.3 | | 9.3 | | 37.0 | 59.2 | | 7.3 | 43 | 55.8 | 47.1 | K | 9.5 | | 51.0 | 29.7 | | 9.2 | 41 | 15.7 | 23.1 | Kb |
| 7.9 | | 7.6 | 59.5 | K | 9.0 | | 38.8 | 13.1 | | 9.4 | | 59.2 | 51.0 | | 9.5 | 13 | 21.5 | 5.6 | | 9.5 | | 54.3 | 54.0 | |
| 9.5 | | 13.0 | 15.8 | | 9.1 | | 43.2 | 57.7 | B | 9.4 | 44 | 9.9 | 9.6 | | 6.8 | 14 | 41.5 | 56.8 | K | 9.5 | 43 | 37.4 | 45.8 | |
| 9.1 | | 26.2 | 41.2 | | 9.5 | | 47.1 | 5.5 | | 9.5 | | 24.4 | 57.8 | | 9.2 | | 48.4 | 39.8 | K | 9.3 | 44 | 33.6 | 58.1 | |
| 9.0 | | 35.5 | 11.5 | | 9.5 | | 53.6 | 43.6 | B | 9.2 | | 28.3 | 31.7 | | 9.3 | | 48.7 | 41.2 | B | 8.8 | | 37.7 | 5.9 | K |
| 9.5 | | 39.3 | 51.3 | | 8.9 | 22 | 19.8 | 44.8 | | 6.8 | | 57.8 | 40.6 | K | 9.2 | | 53.2 | 11.6 | | 9.2 | 47 | 41.2 | 50.0 | K |
| 9.3 | 2 | 23.8 | 52.8 | B | 9.3 | | 42.9 | 11.5 | | 9.5 | 45 | 16.3 | 32.1 | | 9.5 | | 53.9 | 20.1 | | 9.2 | 48 | 27.5 | 25.8 | K |
| 8.3 | | 34.6 | 17.9 | K | 5.7 | | 43.2 | 45.1 | Kb | 9.1 | | 19.8 | 21.3 | | 9.5 | 15 | 47.0 | 14.4 | | 9.1 | | 37.7 | 30.3 | B |
| 8.8 | | 44.9 | 36.6 | B | 9.2 | | 58.3 | 2.6 | K | 9.5 | | 36.8 | 5.6 | | 8.5 | 16 | 15.4 | 44.4 | | 8.2 | | 59.0 | 57.9 | L |
| 9.3 | | 50.9 | 42.5 | | 9.3 | 23 | 4.6 | 8.4 | K | 8.3 | | 49.9 | 27.3 | K | 8.9 | | 32.9 | 16.5 | K | 9.4 | 49 | 3.8 | 20.5 | B |
| 9.1 | 3 | 7.2 | 58.0 | | 9.5 | | 27.2 | 2.7 | | 9.0 | | 59.3 | 16.4 | K | 9.3 | | 57.7 | 37.0 | | 8.9 | | 44.8 | 23.4 | K |
| 9.3 | | 37.4 | 42.0 | | 9.2 | | 36.5 | 9.1 | K | 9.5 | 46 | 3.5 | 7.1 | | 9.4 | 17 | 14.4 | 33.7 | | 9.0 | | 54.9 | 55.2 | Lb |
| 7.8 | 4 | 24.4 | 42.0 | K | 9.2 | | 46.8 | 14.4 | | 8.9 | | 52.6 | 40.5 | K | 9.3 | | 53.7 | 52.5 | | 9.5 | 50 | 3.5 | 8.7 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 37.60 | 2.31 | | 10pr. | | 37.00 | 2.51 | | 10pr. | | 36.28 | 2.71 | | 10pr. | | 35.52 | 2.88 | | 10pr. | | 34.28 | 3.10 | |

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ᵘ—11ᵘ | | +35° | | | 11ᵘ—12ᵘ | | +35° | | | 12ᵘ | | +35° | | | 12ᵘ—13ᵘ | | +35° | | | 13ᵘ | | +35° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 50 | 57.0 | 53.7 | K | 9.3 | 25 | 17.0 | 5.4 | | 7.0 | 4 | 10.2 | 4.7 | Kb | 9.5 | 44 | 2.3 | 47.4 | | 9.5 | 14 | 54.3 | 57.7 | |
| 9.0 | 52 | 27.4 | 13.8 | K | 9.5 | | 34.5 | 58.5 | | 9.8 | | 38.1 | 47.3 | | 9.5 | | 29.2 | 48.9 | | 9.5 | 15 | 9.5 | 9.4 | |
| 9.3 | 54 | 30.5 | 7.3 | | 9.5 | 26 | 33.3 | 42.5 | B | 9.5 | | 46.0 | 58.2 | | 9.5 | | 33.3 | 54.8 | | 9.3 | | 38.9 | 49.8 | |
| 9.5 | 55 | 40.3 | 58.2 | | 8.3 | 27 | 39.7 | 19.0 | K | 9.5 | 5 | 33.3 | 4.1 | aB | 9.3 | | 89.3 | 34.1 | b | 9.5 | 16 | 32.3 | 23.5 | |
| 9.5 | | 56.4 | 42.4 | | 9.4 | | 49.1 | 40.0 | | 9.3 | 6 | 1.9 | 43.8 | b | 9.5 | 47 | 7.8 | 41.0 | ? | 7.8 | 17 | 36.5 | 26.2 | Kb |
| 9.1 | 56 | 24.8 | 8.1 | K | 9.3 | 28 | 6.8 | 28.7 | | 9.5 | | 20.0 | 43.2 | | 9.5 | 51 | 36.5 | 33.5 | | 9.0 | | 52.3 | 26.2 | K |
| 9.4 | | 29.9 | 4.6 | | 9.5 | 29 | 7.1 | 55.0 | | 9.4 | | 59.5 | 30.7 | b | 8.0 | 52 | 6.5 | 20.3 | K | 8.8 | | 53.0 | 33.4 | K |
| 8.5 | 57 | 50.1 | 57.8 | K | 9.0 | 31 | 1.1 | 32.7 | b | 9.5 | 7 | 56.1 | 55.2 | | 9.1 | | 30.9 | 54.6 | | 9.5 | 18 | 33.2 | 59.7 | |
| 9.5 | 58 | 35.0 | 53.7 | | 9.1 | 33 | 19.4 | 42.5 | b | 9.5 | 10 | 51.5 | 27.6 | | 8.7 | | 39.0 | 20.8 | K | 9.1 | 19 | 20.6 | 9.4 | b |
| 9.5 | 59 | 25.0 | 54.3 | | 5.1 | | 25.6 | 1.3 | K | 9.3 | | 57.0 | 24.1 | b | 9.5 | 53 | 15.3 | 32.5 | | 8.8 | | 32.8 | 54.0 | K |
| 8.6 | | 26.9 | 37.5 | Bb | 9.5 | | 57.5 | 50.3 | | 8.8 | 13 | 16.9 | 3.6 | K | 7.5 | | 18.6 | 41.5 | K | 9.5 | 20 | 47.2 | 34.5 | B |
| 8.1 | 0 | 36.5 | 30.3 | Kb | 8.5 | 34 | 19.5 | 7.0 | K | 8.7 | | 26.8 | 48.0 | | 7.5 | | 21.5 | 46.5 | K | 8.5 | | 56.3 | 29.4 | K |
| 8.5 | | 58.5 | 6.5 | | 9.3 | | 33.4 | 18.3 | | 6.8 | | 56.2 | 29.6 | K | 9.3 | | 34.7 | 3.0 | | 8.1 | 21 | 9.8 | 54.4 | K |
| 9.4 | 1 | 43.4 | 9.4 | | 8.8 | 35 | 10.9 | 9.3 | K | 8.5 | 14 | 49.2 | 3.8 | Kb | 9.3 | | 42.6 | 59.4 | B | 9.5 | | 50.7 | 49.3 | |
| 8.7 | | 48.4 | 40.7 | K | 9.5 | 36 | 31.0 | 50.3 | | 9.5 | 15 | 53.0 | 11.4 | | 9.5 | 55 | 0.0 | 9.6 | | 9.5 | 22 | 25.3 | 26.6 | |
| 9.5 | | 53.6 | 50.0 | B | 9.4 | 37 | 0.3 | 55.5 | B | 9.4 | 17 | 16.0 | 46.2 | | 9.1 | | 46.8 | 37.7 | | 7.7 | 23 | 23.5 | 15.9 | K |
| 9.5 | 2 | 2.0 | 58.0 | | 8.8 | | 7.1 | 2.6 | K | 8.3 | | 51.5 | 33.5 | K | 9.5 | 56 | 27.3 | 21.0 | | 8.2 | | 52.5 | 12.8 | K |
| 9.5 | 3 | 43.7 | 56.2 | | 9.5 | | 19.1 | 48.8 | | 9.5 | 18 | 48.3 | 9.3 | B | 9.5 | | 30.9 | 51.8 | | 9.0 | 24 | 8.5 | 21.1 | K |
| 7.5 | 4 | 6.3 | 47.7 | B | 9.0 | | 46.7 | 56.9 | K | 9.5 | 20 | 43.0 | 12.4 | | 9.5 | 57 | 19.2 | 0.2 | | 9.4 | | 32.9 | 11.9 | |
| 8.7 | | 26.8 | 3.3 | K | 9.5 | 38 | 36.4 | 44.4 | | 9.5 | | 44.0 | 49.5 | | 9.3 | | 31.7 | 24.4 | Bb | 8.2 | 25 | 49.2 | 38.2 | Kb |
| 7.2 | | 28.4 | 34.1 | K | 9.5 | 39 | 42.3 | 25.8 | | 9.3 | | 45.7 | 35.6 | | 8.7 | | 41.0 | 47.5 | K | 8.9 | 26 | 14.7 | 40.5 | K |
| 8.8 | 7 | 5.1 | 22.7 | | 9.5 | 40 | 14.5 | 56.3 | B | 8.0 | 21 | 17.0 | 25.5 | K | 9.3 | | 50.0 | 48.7 | K | 6.7 | | 20.0 | 38.9 | K |
| 9.5 | | 26.0 | 2.8 | | 9.0 | 41 | 12.1 | 38.9 | K | 7.0 | 22 | 6.2 | 30.0 | K | 9.4 | 59 | 29.9 | 58.5 | | 9.3 | | 37.5 | 47.3 | K |
| 9.5 | | 47.3 | 6.4 | B | 5.3 | 42 | 8.9 | 44.2 | K | 9.3 | | 46.5 | 5.9 | | 9.4 | | 44.3 | 38.3 | | 9.1 | 27 | 20.3 | 20.4 | b |
| 8.3 | | 58.8 | 23.8 | K | 8.6 | | 39.2 | 36.4 | K | 9.5 | 23 | 6.9 | 27.9 | | 9.5 | 0 | 43.3 | 5.3 | | 9.5 | 28 | 51.0 | 57.2 | |
| 9.4 | 8 | 32.8 | 22.4 | | 9.5 | 43 | 6.8 | 20.3 | | 8.3 | | 22.9 | 18.9 | K | 9.0 | | 47.7 | 9.6 | | 7.6 | | 55.8 | 43.8 | K |
| 9.5 | | 36.5 | 47.5 | | 9.5 | | 31.2 | 56.0 | | 9.4 | | 26.8 | 2.1 | B | 9.5 | 1 | 7.9 | 15.9 | | 9.5 | | 57.0 | 14.8 | B |
| 9.5 | 9 | 18.5 | 48.6 | | 9.4 | 44 | 6.1 | 59.2 | | 9.4 | 24 | 2.6 | 9.4 | B | 9.3 | | 48.5 | 46.9 | B | 9.5 | 30 | 8.4 | 48.1 | B |
| 9.0 | | 27.2 | 37.2 | Kb | 9.4 | | 26.0 | 2.4 | | 8.9 | 25 | 37.0 | 23.0 | B | 9.5 | | 49.8 | 26.2 | | 8.6 | | 24.2 | 48.0 | K |
| 9.4 | | 30.0 | 15.8 | | 9.4 | 45 | 17.3 | 7.1 | | 9.5 | 26 | 36.7 | 56.9 | | 9.3 | 2 | 4.3 | 53.1 | K | 9.4 | 32 | 4.7 | 40.7 | |
| 9.5 | 10 | 14.2 | 56.0 | | 9.5 | | 34.0 | 40.3 | | 9.5 | | 42.8 | 33.1 | | 9.5 | 3 | 15.3 | 40.6 | | 8.7 | | 39.2 | 0.9 | Kb |
| 9.5 | | 53.3 | 54.5 | | 9.4 | | 55.2 | 3.3 | | 9.3 | 27 | 15.7 | 8.3 | | 9.5 | | 19.5 | 25.7 | B | 9.0 | 33 | 43.0 | 47.8 | K |
| 9.4 | | 55.5 | 45.4 | | 8.3 | 48 | 0.4 | 19.3 | Kb | 9.3 | | 19.5 | 51.9 | | 9.5 | | 52.2 | 23.9 | | 9.4 | 34 | 48.7 | 58.0 | |
| 9.5 | 11 | 29.0 | 18.9 | | 9.4 | | 15.7 | 22.8 | B | 9.5 | 28 | 32.5 | 48.9 | | 6.8 | 4 | 2.8 | 4.6 | K | 6.5 | 36 | 15.2 | 44.0 | K |
| 9.5 | | 41.3 | 36.0 | | 7.3 | | 59.0 | 42.6 | K | 9.0 | 29 | 3.0 | 34.7 | | 9.2 | | 6.7 | 49.3 | | 8.8 | | 20.0 | 50.4 | B |
| 9.4 | | 42.1 | 18.5 | | 9.1 | 49 | 38.9 | 14.1 | b | 9.0 | 30 | 20.0 | 0.8 | Kb | 9.0 | | 22.8 | 23.0 | B | 9.0 | | 26.1 | 3.4 | Kb |
| 8.9 | 13 | 3.1 | 42.7 | | 9.5 | 50 | 13.1 | 19.6 | | 9.5 | 31 | 15.7 | 9.1 | | 9.5 | | 32.9 | 52.9 | | 9.2 | | 31.6 | 51.4 | |
| 9.0 | | 31.6 | 11.8 | | 9.0 | | 50.0 | 58.3 | b | 9.5 | | 20.8 | 56.0 | | 8.7 | | 35.2 | 43.8 | | 8.3 | 37 | 8.0 | 1.6 | K |
| 9.5 | | 35.4 | 50.9 | | 9.4 | 53 | 41.1 | 18.7 | B | 7.7 | | 42.2 | 22.3 | K | 8.5 | | 50.2 | 14.9 | L | 9.3 | 38 | 24.9 | 9.9 | |
| 9.1 | | 58.8 | 2.4 | | 9.0 | | 41.1 | 45.8 | | 9.5 | 32 | 6.8 | 57.8 | | 7.9 | 5 | 27.2 | 34.9 | L | 7.2 | 39 | 7.4 | 24.1 | K |
| 8.2 | 14 | 1.7 | 39.9 | K | 9.2 | | 51.5 | 27.9 | Kb | 9.5 | | 14.7 | 55.8 | | 8.1 | 6 | 0.5 | 17.7 | K | 9.1 | | 11.7 | 27.9 | K |
| 7.5 | | 49.7 | 48.9 | K | 8.7 | 54 | 1.4 | 32.5 | K | 8.7 | | 15.3 | 0.6 | K | 8.7 | | 4.6 | 39.5 | B | 8.8 | | 14.4 | 3.0 | |
| 9.5 | 15 | 38.8 | 24.8 | | 9.4 | 55 | 6.9 | 12.1 | B | 7.5 | | 42.5 | 52.9 | K | 8.4 | | 10.3 | 2.8 | Kb | 8.8 | | 15.8 | 39.5 | L |
| 9.4 | | 39.9 | 11.3 | | 9.0 | | 7.0 | 19.8 | K | 9.5 | 33 | 3.7 | 44.7 | | 9.3 | 7 | 11.0 | 43.5 | | 9.3 | | 40.8 | 27.2 | K |
| 9.0 | | 41.8 | 36.1 | K | 9.5 | | 42.5 | 50.0 | | 9.5 | 34 | 21.2 | 58.2 | | 9.5 | | 48.4 | 7.5 | | 9.0 | 40 | 2.7 | 57.1 | |
| 8.9 | | 58.9 | 2.5 | Kb | 9.4 | 56 | 9.8 | 52.9 | | 8.8 | | 50.2 | 50.4 | K | 9.2 | | 52.2 | 21.8 | K | 9.5 | 41 | 41.6 | 32.0 | |
| 9.4 | 16 | 4.1 | 21.0 | | 9.5 | | 36.2 | 11.9 | B | 9.3 | 36 | 5.4 | 17.4 | B | 9.1 | 8 | 24.0 | 21.5 | K | 9.5 | 42 | 40.2 | 17.5 | |
| 9.5 | 17 | 32.0 | 21.4 | | 9.5 | | 43.8 | 52.0 | | 9.5 | | 33.7 | 0.8 | | 9.4 | 9 | 30.0 | 6.4 | | 8.8 | | 55.2 | 5.2 | Kb |
| 9.0 | | 38.5 | 37.9 | | 9.3 | 57 | 27.1 | 6.3 | aB | 8.5 | | 57.0 | 8.4 | K | 9.4 | | 33.3 | 45.0 | | 8.5 | 43 | 16.8 | 43.6 | K |
| 8.5 | | 40.1 | 58.1 | Kb | 9.5 | | 27.4 | 26.2 | | 8.7 | 37 | 25.8 | 12.9 | S | 9.5 | | 42.5 | 11.0 | | 8.7 | | 32.7 | 30.2 | L |
| 9.4 | 18 | 27.0 | 46.9 | | 9.3 | 58 | 40.3 | 11.1 | | 9.2 | | 51.4 | 0.6 | | 9.3 | 10 | 12.4 | 14.7 | B | 9.5 | 44 | 17.9 | 53.9 | |
| 9.5 | | 41.2 | 51.2 | | 9.5 | 59 | 4.4 | 54.6 | | 9.2 | 39 | 23.7 | 38.7 | Kb | 9.5 | | 34.9 | 7.5 | B | 6.8 | | 41.7 | 30.1 | K |
| 9.4 | | 50.4 | 14.2 | | 8.9 | | 38.0 | 8.6 | | 9.2 | 41 | 3.0 | 7.6 | Kb | 9.3 | 11 | 55.5 | 23.1 | Kb | 5.8 | | 44.8 | 24.0 | K |
| 9.5 | 19 | 51.1 | 28.6 | | 9.5 | 0 | 49.7 | 31.7 | | 9.5 | | 14.7 | 56.6 | | 9.5 | 12 | 5.8 | 47.8 | B | 9.3 | | 57.2 | 24.3 | B |
| 8.5 | | 55.5 | 2.6 | K | 9.0 | 1 | 6.3 | 29.7 | B | 8.7 | | 55.8 | 57.8 | B | 6.7 | | 26.5 | 53.5 | K | 9.4 | 45 | 1.1 | 24.4 | B |
| 9.4 | 22 | 55.7 | 57.9 | | 8.3 | | 23.9 | 0.4 | K | 8.6 | | 56.5 | 22.8 | K | 9.0 | | 48.6 | 54.2 | B | 5.7 | | 25.0 | 9.6 | Lb |
| 9.4 | 23 | 14.0 | 20.3 | b | 9.2 | | 49.4 | 43.8 | | 9.5 | 42 | 25.9 | 54.7 | | 9.5 | 13 | 7.4 | 1.2 | | 9.0 | 46 | 4.2 | 48.9 | |
| 9.5 | 24 | 42.2 | 59.2 | | 9.1 | | 51.5 | 49.6 | b | 9.4 | | 29.3 | 49.9 | B | 9.5 | | 37.1 | 50.3 | | 9.0 | | 37.7 | 36.8 | |
| 9.3 | | 52.5 | 5.6 | | 9.5 | 3 | 0.7 | 34.4 | | 9.5 | | 36.9 | 51.5 | B | 9.5 | 14 | 11.0 | 3.3 | | 9.2 | 47 | 33.7 | 15.4 | K |
| 9.5 | | 58.1 | 13.8 | | 9.4 | | 21.5 | 32.3 | | 9.1 | | 47.0 | 2.1 | K | 9.4 | | 33.8 | 36.6 | | 9.5 | | 42.0 | 7.0 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 32.80 | 3.26 | | 10pr. | | 31.33 | 3.34 | | 10pr. | | 29.61 | 3.32 | | 10pr. | | 28.14 | 3.22 | | 10pr. | | 26.98 | 3.08 | |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13u—14u | | +35° | | | 14u | | +35° | | | 14u—15u | | +35° | | | 15u | | +35° | | | 15u—16u | | +35° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.1 | 47 | 56.7 | 20.6 | K | 8.0 | 21 | 9.5 | 23.3 | K | 9.5 | 47 | 37.8 | 18.9 | | 8.4 | 17 | 3.5 | 54.5 | K | 9.5 | 48 | 35.2 | 1.8 | |
| 9.2 | 48 | 7.0 | 30.2 | K | 9.5 | 22 | 2.7 | 34.8 | | 9.0 | | 50.0 | 4.1 | Kb | 8.7 | | 45.0 | 22.8 | Kb | 9.5 | | 45.8 | 32.4 | |
| 9.2 | | 7.7 | 24.1 | B | 9.4 | | 8.2 | 42.0 | B | 9.5 | | 51.0 | 50.8 | | 9.5 | 18 | 23.7 | 5.9 | | 9.5 | | 51.3 | 26.1 | |
| 9.5 | 49 | 49.4 | 48.8 | | 8.6 | | 39.9 | 17.8 | K | 8.0 | 48 | 30.3 | 50.4 | B | 9.5 | | 32.3 | 13.2 | | 9.5 | 50 | 19.9 | 56.7 | |
| 9.1 | | 56.9 | 20.6 | b | 9.5 | | 46.6 | 43.2 | | 7.3 | | 37.5 | 0.3 | K | 9.2 | 20 | 40.5 | 49.5 | K | 9.5 | | 52.2 | 30.7 | B |
| 8.3 | 50 | 10.4 | 59.4 | K | 9.5 | 23 | 2.9 | 41.0 | | 9.2 | 49 | 13.5 | 11.0 | | 8.6 | | 48.2 | 53.5 | K | 9.1 | | 52.8 | 12.5 | K |
| 9.0 | | 26.0 | 45.7 | | 8.9 | | 22.8 | 42.2 | B | 9.3 | | 15.9 | 17.6 | | 9.2 | | 51.5 | 35.7 | | 9.5 | 51 | 1.6 | 3.4 | B |
| 8.9 | | 29.4 | 53.7 | K | 9.3 | | 33.7 | 37.8 | B | 8.9 | | 44.0 | 31.8 | | 9.5 | | 57.0 | 50.9 | | 9.5 | | 22.0 | 20.0 | |
| 8.5 | | 45.4 | 8.8 | K | 9.5 | | 38.8 | 49.0 | | 9.5 | 50 | 20.7 | 25.2 | | 9.4 | 21 | 3.3 | 9.1 | | 8.7 | | 23.9 | 55.3 | K |
| 9.5 | | 58.9 | 53.6 | | 9.3 | 24 | 17.0 | 22.9 | B | 9.1 | 51 | 2.0 | 4.5 | b | 9.5 | | 6.4 | 32.1 | | 9.5 | 53 | 21.4 | 55.5 | B |
| 9.0 | 51 | 1.0 | 25.6 | B | 8.9 | | 30.8 | 36.1 | K | 8.0 | 52 | 49.0 | 30.6 | K | 9.0 | 23 | 3.8 | 11.7 | Kb | 9.5 | 54 | 19.3 | 27.0 | |
| 9.3 | | 54.0 | 31.6 | K | 9.0 | | 42.3 | 56.8 | B | 9.2 | | 49.9 | 0.2 | | 8.1 | 24 | 6.1 | 41.0 | K | 9.4 | 55 | 30.4 | 51.3 | B |
| 9.3 | 53 | 2.2 | 5.7 | K | 9.4 | | 52.4 | 51.6 | | 9.4 | | 52.6 | 16.7 | | 9.0 | | 10.7 | 13.8 | | 9.5 | | 57.8 | 33.4 | |
| 9.5 | | 10.0 | 48.8 | | 9.2 | | 58.7 | 39.6 | K | 8.3 | | 58.4 | 5.0 | B | 9.2 | | 15.2 | 37.0 | K | 9.4 | 56 | 14.0 | 46.6 | |
| 9.0 | | 50.1 | 56.4 | | 9.1 | 25 | 5.8 | 4.5 | | 9.4 | 53 | 12.2 | 15.7 | B | 9.2 | | 55.3 | 34.1 | | 8.5 | | 19.8 | 15.5 | K |
| 8.2 | | 51.3 | 5.4 | K | 8.8 | 26 | 26.2 | 21.7 | | 9.3 | | 13.1 | 9.4 | | 8.8 | 25 | 4.3 | 40.6 | | 9.3 | | 26.9 | 59.3 | |
| 9.0 | 56 | 15.6 | 39.4 | | 9.5 | | 27.2 | 2.8 | | 7.5 | | 56.5 | 41.1 | L | 9.2 | | 41.9 | 7.9 | Kb | 8.9 | 57 | 0.8 | 59.9 | B |
| 9.3 | 57 | 21.2 | 38.5 | Kb | 9.5 | | 30.3 | 59.2 | | 9.3 | 54 | 10.8 | 54.6 | | 9.0 | 26 | 20.0 | 57.1 | K | 9.0 | | 2.2 | 36.6 | |
| 9.5 | | 32.5 | 12.7 | | 9.4 | 27 | 53.7 | 45.9 | B | 9.5 | 55 | 10.0 | 1.3 | | 9.5 | | 29.1 | 8.8 | | 9.3 | | 8.4 | 0.4 | a |
| 9.5 | | 37.6 | 21.3 | | 9.5 | 28 | 15.3 | 1.0 | | 9.5 | | 11.3 | 27.6 | | 8.7 | 27 | 23.2 | 53.0 | K | 9.3 | | 9.8 | 4.5 | K |
| 7.6 | 58 | 17.0 | 7.8 | K | 8.4 | 29 | 30.8 | 19.6 | Kb | 9.3 | 56 | 41.5 | 46.5 | K | 9.5 | 28 | 31.9 | 54.9 | | 9.1 | | 21.5 | 42.2 | |
| 9.5 | | 35.9 | 27.8 | | 9.5 | | 39.5 | 6.4 | | 5.8 | 57 | 19.2 | 46.8 | K | 9.1 | 29 | 0.5 | 15.3 | K | 8.5 | | 33.1 | 25.5 | K |
| 8.4 | 59 | 39.4 | 5.2 | K | 8.8 | | 54.6 | 43.5 | B | 9.3 | | 22.6 | 47.8 | B | 9.0 | | 4.8 | 12.1 | K | 9.4 | | 41.9 | 45.7 | |
| 9.5 | 0 | 16.0 | 36.8 | | 9.1 | 31 | 3.5 | 30.2 | b | 7.1 | | 45.5 | 7.4 | L | 9.0 | | 55.1 | 48.1 | | 8.1 | | 44.6 | 5.1 | K |
| 6.8 | | 25.6 | 28.9 | K | 9.2 | | 26.3 | 13.3 | | 9.5 | 58 | 22.3 | 38.3 | | 9.0 | 30 | 3.3 | 34.9 | Kb | 9.5 | 58 | 16.7 | 1.0 | |
| 9.5 | 1 | 29.6 | 47.0 | | 9.0 | | 46.3 | 29.5 | | 9.3 | | 52.3 | 34.5 | | 9.5 | | 41.8 | 2.0 | | 8.1 | | 17.6 | 56.6 | K |
| 9.5 | 2 | 13.2 | 18.9 | | 9.5 | | 56.0 | 57.1 | | 9.3 | | 57.7 | 31.4 | | 9.5 | | 48.8 | 2.5 | | 8.7 | 59 | 38.7 | 51.2 | K |
| 9.3 | 3 | 13.5 | 48.2 | | 9.2 | 32 | 43.5 | 5.2 | b | 8.8 | 59 | 5.6 | 1.5 | K | 9.3 | 31 | 0.4 | 3.0 | B | 9.4 | | 43.1 | 57.0 | |
| 8.5 | | 43.1 | 46.2 | B | 9.3 | 33 | 39.2 | 52.2 | | 7.8 | 0 | 19.6 | 19.1 | B | 9.5 | 32 | 11.0 | 26.2 | | 9.5 | | 53.0 | 32.4 | |
| 9.0 | 4 | 24.2 | 35.0 | K | 9.3 | | 46.9 | 31.6 | | 9.5 | 2 | 3.5 | 58.2 | | 9.5 | | 34.5 | 20.2 | | 9.5 | | 53.1 | 59.4 | B |
| 8.5 | 6 | 41.9 | 35.3 | K | 8.6 | 34 | 34.2 | 30.9 | | 9.4 | | 20.4 | 48.1 | R | 6.7 | 33 | 12.8 | 9.2 | K | 9.5 | 0 | 21.7 | 42.0 | |
| 9.4 | | 58.2 | 36.6 | B | 9.1 | | 35.3 | 7.7 | | 9.1 | 3 | 25.0 | 17.1 | K | 9.5 | 34 | 0.0 | 15.9 | | 8.3 | | 27.0 | 25.1 | Kb |
| 9.1 | 7 | 13.8 | 4.7 | Kb | 9.1 | | 41.2 | 50.3 | | 9.3 | | 26.3 | 41.3 | | 9.5 | | 29.8 | 40.3 | | 9.4 | | 41.0 | 43.4 | |
| 9.4 | | 21.2 | 41.9 | | 8.9 | | 57.1 | 3.2 | B | 8.5 | 4 | 22.7 | 18.4 | K | 9.5 | 35 | 0.0 | 33.4 | | 9.5 | 1 | 10.4 | 2.6 | |
| 9.2 | | 24.2 | 30.9 | K | 8.9 | 35 | 27.9 | 30.9 | | 9.5 | | 39.0 | 44.8 | | 9.5 | | 12.7 | 6.1 | | 9.3 | | 54.5 | 2.6 | |
| 9.0 | | 41.6 | 12.1 | B | 9.5 | | 42.0 | 32.6 | | 9.4 | | 44.5 | 1.3 | | 9.4 | | 38.1 | 55.1 | | 8.5 | 2 | 45.0 | 58.8 | K |
| 9.3 | 8 | 3.8 | 53.9 | B | 8.2 | | 47.3 | 51.8 | B | 9.1 | | 44.7 | 14.6 | K | 9.5 | 37 | 17.9 | 50.5 | | 7.5 | 3 | 25.3 | 55.5 | K |
| 8.0 | 9 | 37.9 | 14.8 | K | 9.5 | 36 | 2.2 | 54.3 | | 9.5 | | 57.9 | 52.9 | | 9.1 | | 37.0 | 48.6 | | 9.5 | | 42.3 | 29.3 | |
| 8.1 | | 46.5 | 6.4 | K | 8.5 | | 54.9 | 4.3 | Kb | 9.3 | 5 | 13.5 | 24.5 | K | 8.4 | | 39.8 | 15.5 | K | 9.5 | | 58.0 | 16.9 | |
| 9.3 | | 59.8 | 10.6 | K | 9.5 | | 57.2 | 13.0 | | 9.2 | 6 | 4.7 | 17.6 | K | 9.0 | | 43.1 | 19.3 | K | 9.4 | 4 | 7.3 | 18.9 | |
| 9.5 | 10 | 34.5 | 9.1 | | 9.5 | 37 | 14.5 | 30.2 | | 9.3 | | 51.3 | 11.5 | K | 9.3 | 38 | 24.3 | 30.2 | B | 9.2 | | 17.7 | 51.1 | K |
| 9.4 | | 58.2 | 28.2 | | 9.3 | | 24.9 | 42.1 | | 9.5 | 7 | 49.1 | 50.8 | B | 8.8 | | 27.1 | 53.7 | K | 9.4 | | 50.3 | 22.0 | |
| 9.4 | 12 | 33.1 | 45.0 | | 9.5 | | 26.5 | 44.5 | | 8.3 | | 50.3 | 24.5 | K | 9.4 | 39 | 47.6 | 43.3 | B | 9.5 | | 55.2 | 28.9 | B |
| 9.3 | 13 | 16.4 | 32.3 | | 8.8 | | 27.4 | 12.6 | K | 8.0 | 8 | 35.0 | 26.9 | K | 9.3 | | 58.2 | 43.1 | B | 9.4 | 5 | 9.7 | 34.6 | |
| 9.5 | | 24.7 | 46.3 | B | 9.4 | | 42.6 | 56.7 | B | 9.5 | 9 | 5.7 | 17.3 | | 9.3 | 41 | 16.3 | 43.8 | B | 9.5 | | 21.6 | 7.1 | |
| 9.3 | | 25.6 | 15.1 | K | 9.0 | 38 | 9.7 | 51.0 | K | 9.5 | | 31.8 | 20.7 | | 9.0 | | 22.5 | 3.7 | K | 9.1 | | 43.3 | 29.0 | |
| 9.5 | | 30.1 | 1.6 | | 9.5 | 39 | 23.9 | 4.6 | | 9.0 | | 43.0 | 56.9 | | 9.5 | | 30.2 | 40.8 | | 9.5 | | 47.9 | 58.5 | |
| 8.9 | 14 | 28.5 | 23.4 | K | 9.4 | | 47.0 | 0.9 | | 9.2 | 10 | 24.1 | 55.9 | | 9.4 | | 33.9 | 57.3 | B | 8.4 | 6 | 18.1 | 29.7 | K |
| 9.0 | | 47.5 | 56.0 | K | 9.5 | 40 | 16.5 | 3.3 | | 9.3 | | 43.6 | 28.1 | B | 9.4 | | 41.7 | 50.9 | | 9.2 | | 34.5 | 0.5 | Kb |
| 9.2 | | 47.7 | 38.5 | | 9.4 | | 20.0 | 28.7 | | 9.4 | 11 | 11.6 | 18.4 | B | 9.5 | | 41.7 | 46.8 | | 8.8 | 7 | 6.2 | 26.4 | K |
| 9.5 | 15 | 36.2 | 49.5 | | 9.3 | | 33.9 | 31.6 | B | 9.3 | | 21.5 | 18.7 | B | 8.7 | | 56.5 | 26.6 | K | 9.4 | | 29.8 | 43.5 | B |
| 9.1 | | 49.9 | 42.6 | Kb | 9.5 | | 55.7 | 19.4 | | 8.0 | | 55.7 | 41.1 | K | 9.4 | 43 | 45.6 | 10.4 | | 9.4 | | 40.3 | 49.0 | |
| 9.4 | 17 | 12.9 | 13.0 | | 9.5 | 41 | 30.3 | 32.1 | | 9.5 | 12 | 0.3 | 17.6 | | 9.5 | | 53.2 | 1.7 | | 8.0 | 8 | 3.8 | 34.3 | K |
| 9.3 | | 15.4 | 32.0 | | 8.3 | 43 | 33.2 | 48.4 | K | 8.6 | | 25.4 | 39.0 | K | 9.0 | | 59.7 | 22.9 | R | 8.8 | | 12.7 | 55.7 | K |
| 9.3 | | 36.5 | 41.5 | | 9.5 | 44 | 36.3 | 58.1 | | 9.5 | 14 | 14.5 | 50.9 | | 9.5 | 44 | 6.8 | 29.9 | | 9.5 | | 16.8 | 24.0 | |
| 9.5 | 18 | 28.4 | 1.5 | | 9.2 | 45 | 40.0 | 28.5 | R | 9.5 | | 25.1 | 44.1 | | 9.5 | | 8.0 | 1.3 | | 9.5 | 9 | 33.5 | 18.9 | |
| 9.1 | | 31.1 | 4.9 | Kb | 8.6 | 46 | 18.0 | 28.0 | K | 9.1 | | 47.7 | 41.8 | K | 9.5 | | 47.3 | 15.5 | | 9.3 | | 49.6 | 7.7 | B |
| 9.4 | 19 | 57.9 | 2.5 | | 9.2 | | 52.7 | 25.5 | K | 8.8 | 15 | 5.7 | 30.4 | B | 9.5 | 46 | 2.6 | 0.9 | | 7.8 | | 50.8 | 5.1 | K |
| 9.5 | 20 | 6.7 | 43.6 | | 9.2 | 47 | 24.8 | 3.1 | a | 9.5 | 16 | 39.4 | 5.9 | | 9.4 | | 30.3 | 53.4 | | 9.5 | | 54.9 | 26.6 | |
| 9.4 | | 55.9 | 55.4 | | 9.3 | | 26.4 | 16.1 | B | 8.5 | | 53.8 | 54.5 | K | 9.5 | 47 | 30.0 | 6.2 | | 8.9 | 10 | 6.0 | 50.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 25.75 | 2.85 | | 10pr. | | 24.77 | 2.61 | | 10pr. | | 23.91 | 2.34 | | 10pr. | | 23.09 | 2.00 | | 10pr. | | 22.46 | 1.67 | |

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|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 11 24.6 | 36.9 | |
| 9.5 | 46.0 | 45.0 | |
| 8.9 | 54.4 | 16.5 | B |
| 9.2 | 13 24.6 | 39.7 | Kb |
| 9.4 | 14 12.5 | 20.4 | |
| 9.4 | 24.6 | 14.2 | |
| 9.5 | 28.5 | 52.6 | |
| 9.5 | 15 25.9 | 8.3 | |
| 9.1 | 17 51.2 | 55.3 | K |
| 7.5 | 59.2 | 56.5 | K |
| 9.5 | 18 34.2 | 35.8 | |
| 9.5 | 19 7.0 | 49.4 | b |
| 9.5 | 29.5 | 1.1 | |
| 9.1 | 20 0.7 | 51.7 | K |
| 9.5 | 41.6 | 44.4 | |
| 9.4 | 21 6.9 | 11.7 | |
| 9.5 | 49.3 | 40.1 | |
| 9.4 | 22 45.0 | 12.1 | B |
| 9.4 | 46.1 | 18.2 | |
| 9.2 | 23 22.2 | 26.3 | K |
| 9.5 | 38.1 | 9.0 | |
| 8.2 | 55.2 | 56.0 | K |
| 7.9 | 24 27.7 | 30.7 | K |
| 8.1 | 44.3 | 6.3 | B |
| 9.3 | 46.9 | 28.5 | K |
| 9.5 | 56.0 | 54.2 | |
| 9.5 | 25 39.4 | 58.9 | |
| 7.0 | 45.8 | 32.7 | K |
| 9.2 | 26 33.9 | 7.4 | |
| 9.2 | 47.0 | 7.8 | K |
| 9.5 | 27 19.6 | 7.7 | |
| 8.5 | 32.2 | 24.1 | K |
| 9.5 | 56.3 | 57.1 | |
| 8.1 | 28 51.2 | 48.6 | K |
| 9.5 | 29 11.7 | 17.6 | |
| 9.5 | 14.7 | 0.5 | |
| 9.3 | 57.1 | 51.2 | B |
| 9.5 | 30 38.5 | 55.9 | |
| 9.5 | 31 16.9 | 56.9 | |
| 9.5 | 38.2 | 31.0 | |
| 9.3 | 32 30.3 | 33.6 | B |
| 9.2 | 42.3 | 12.7 | Bb |
| 9.2 | 52.2 | 26.9 | |
| 9.0 | 33 5.7 | 31.7 | K |
| 9.4 | 6.6 | 56.1 | |
| 9.5 | 27.6 | 56.5 | B |
| 8.4 | 34 4.1 | 49.0 | K |
| 8.0 | 18.7 | 21.5 | B |
| 7.9 | 29.6 | 48.9 | K |
| 9.4 | 35 9.8 | 5.1 | B |
| 9.1 | 21.9 | 57.5 | K |
| 9.1 | 48.1 | 10.3 | K |
| 9.5 | 52.9 | 29.9 | |
| 9.4 | 36 19.5 | 59.0 | |
| 8.4 | 46.3 | 18.0 | K |
| 8.6 | 57.4 | 8.3 | K |
| 9.5 | 37 8.9 | 15.2 | |
| 9.5 | 31.6 | 46.5 | |
| 9.1 | 47.0 | 4.8 | K |
| 9.4 | 50.0 | 12.1 | |
| 10pr. | 21.96 | 1.32 | |

2861—2920

| | 16ᵐ—17ᵐ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 37 52.5 | 28.3 | |
| 9.5 | 38 9.7 | 54.5 | |
| 9.3 | 39 26.5 | 17.0 | |
| 8.7 | 34.9 | 59.0 | K |
| 9.4 | 47.0 | 2.0 | |
| 9.5 | 40 6.1 | 2.5 | |
| 7.5 | 34.9 | 53.8 | K |
| 9.5 | 53.2 | 53.4 | |
| 9.2 | 43 6.9 | 9.2 | Kb |
| 7.0 | 47.0 | 12.4 | K |
| 9.3 | 48.2 | 31.4 | |
| 9.3 | 44 34.9 | 29.4 | |
| 9.2 | 41.8 | 47.5 | b |
| 9.5 | 43.2 | 4.0 | |
| 9.2 | 45 19.3 | 57.3 | |
| 9.5 | 51.5 | 2.3 | |
| 9.1 | 46 18.1 | 48.0 | B |
| 7.6 | 58.2 | 43.8 | K |
| 9.4 | 47 9.6 | 30.8 | |
| 9.4 | 38.3 | 50.6 | B |
| 8.3 | 44.9 | 9.1 | K |
| 8.2 | 49 2.2 | 23.1 | Kb |
| 8.7 | 17.4 | 6.1 | |
| 9.4 | 26.5 | 29.6 | B |
| 9.4 | 54.6 | 41.0 | |
| 9.3 | 58.6 | 53.7 | |
| 9.3 | 50 7.2 | 31.7 | |
| 9.5 | 51 26.3 | 14.5 | |
| 9.4 | 47.2 | 22.8 | |
| 9.4 | 53.1 | 11.3 | B |
| 8.4 | 57.2 | 31.0 | B |
| var | 52 57.6 | 17.4 | |
| 9.5 | 54 0.2 | 30.1 | |
| 8.2 | 3.0 | 5.0 | K |
| 9.0 | 19.4 | 53.4 | |
| 9.4 | 55 4.8 | 9.6 | |
| 9.3 | 13.4 | 57.4 | |
| 9.0 | 23.6 | 22.8 | |
| 8.9 | 27.0 | 5.9 | K |
| 9.2 | 27.8 | 35.3 | B |
| 8.6 | 41.9 | 41.0 | K |
| 9.0 | 56.7 | 44.8 | K |
| 9.5 | 56 10.1 | 31.6 | B |
| 8.3 | 25.1 | 45.5 | K |
| 8.3 | 57 20.8 | 58.9 | K |
| 9.4 | 35.1 | 18.3 | |
| 9.5 | 36.9 | 43.8 | |
| 8.8 | 44.6 | 27.0 | |
| 9.5 | 52.0 | 5.6 | |
| 9.5 | 58 0.1 | 11.0 | |
| 6.5 | 20.2 | 36.9 | Kb |
| 9.3 | 59 30.0 | 2.9 | B |
| 9.5 | 36.3 | 12.1 | |
| 9.5 | 0 32.0 | 7.1 | |
| 9.5 | 40.2 | 49.1 | |
| 9.5 | 1 9.3 | 28.1 | |
| 7.4 | 29.7 | 31.1 | Kb |
| 9.1 | 2 19.5 | 57.4 | |
| 9.5 | 40.0 | 14.8 | |
| 9.2 | 45.7 | 14.0 | |
| 10pr. | 21.61 | 0.98 | |

2921—2980

| | 17ᵐ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 3 17.7 | 35.9 | |
| 7.1 | 19.1 | 13.1 | B |
| 9.5 | 4 11.9 | 42.8 | |
| 9.5 | 5 20.4 | 28.0 | |
| 9.0 | 42.1 | 42.7 | Kb |
| 9.0 | 7 7.9 | 34.5 | K |
| 9.1 | 17.5 | 1.1 | |
| 8.9 | 18.5 | 7.5 | |
| 7.7 | 46.0 | 20.7 | L |
| 9.5 | 8 12.4 | 13.6 | |
| 7.8 | 12.9 | 36.0 | K |
| 9.4 | 9 43.7 | 33.5 | |
| 9.1 | 48.8 | 49.3 | |
| 9.5 | 52.8 | 48.1 | |
| 8.0 | 10 15.1 | 22.5 | K |
| 9.5 | 28.3 | 27.3 | |
| 9.5 | 37.6 | 35.1 | |
| 9.5 | 50.0 | 50.8 | |
| 9.5 | 50.6 | 32.4 | |
| 9.5 | 11 5.8 | 7.8 | |
| 9.5 | 28.1 | 14.5 | |
| 8.9 | 33.0 | 13.1 | K |
| 9.5 | 40.5 | 28.5 | |
| 9.5 | 59.7 | 46.3 | |
| 9.3 | 12 10.5 | 26.6 | |
| 9.1 | 22.5 | 8.2 | K |
| 8.6 | 30.0 | 46.1 | |
| 9.1 | 13 36.8 | 49.0 | K |
| 9.3 | 41.7 | 18.6 | B |
| 9.5 | 14 8.9 | 2.5 | |
| 9.5 | 9.4 | 33.5 | |
| 9.2 | 46.5 | 22.8 | |
| 9.2 | 51.3 | 50.5 | K |
| 8.2 | 58.8 | 50.6 | K |
| 7.7 | 15 19.0 | 31.4 | K |
| 9.0 | 16 1.1 | 21.0 | K |
| 9.3 | 2.6 | 59.0 | |
| 9.4 | 23.0 | 12.5 | B |
| 9.1 | 29.4 | 33.5 | |
| 9.1 | 30.9 | 38.6 | |
| 8.0 | 30.9 | 57.2 | K |
| 8.7 | 39.3 | 56.4 | K |
| 9.5 | 17 6.0 | 47.7 | |
| 9.5 | 11.0 | 44.2 | |
| 9.0 | 18 40.4 | 20.8 | |
| 9.3 | 53.1 | 13.2 | |
| 9.5 | 19 40.4 | 36.6 | |
| 8.7 | 45.3 | 52.3 | L |
| 9.2 | 20 5.7 | 33.2 | B |
| 9.5 | 19.0 | 39.7 | |
| 9.0 | 43.4 | 38.0 | |
| 9.0 | 46.4 | 48.0 | |
| 9.4 | 50.0 | 26.0 | |
| 9.4 | 56.2 | 38.0 | |
| 9.4 | 59.6 | 57.2 | |
| 9.0 | 21 17.9 | 4.9 | |
| 8.5 | 32.2 | 53.6 | K |
| 9.5 | 44.0 | 13.5 | |
| 7.6 | 22 21.3 | 50.4 | K |
| 9.0 | 28.5 | 33.8 | |
| 10pr. | 21.38 | 0.66 | |

2981—3040

| | 17ᵐ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 23 0.0 | 53.9 | |
| 9.5 | 11.0 | 59.7 | |
| 9.5 | 23.9 | 2.5 | |
| 9.1 | 26.2 | 58.0 | |
| 9.3 | 43.5 | 11.7 | |
| 7.2 | 24 18.2 | 3.8 | K |
| 9.5 | 37.5 | 47.3 | |
| 9.5 | 58.8 | 52.3 | |
| 9.5 | 25 31.2 | 0.5 | |
| 9.4 | 42.5 | 42.2 | |
| 8.9 | 43.0 | 44.6 | K |
| 9.5 | 51.0 | 12.5 | |
| 9.5 | 26 17.3 | 30.0 | |
| 9.1 | 30.2 | 42.5 | |
| 8.8 | 47.5 | 17.0 | R |
| 9.5 | 48.2 | 55.6 | |
| 8.5 | 50.8 | 50.1 | K |
| 9.3 | 27 5.4 | 45.1 | |
| 9.3 | 17.5 | 41.8 | |
| 7.8 | 19.8 | 51.2 | K |
| 9.2 | 21.5 | 31.5 | R |
| 9.0 | 33.5 | 17.3 | K |
| 9.5 | 46.3 | 1.7 | |
| 9.0 | 28 1.0 | 25.4 | K |
| 9.5 | 29 7.8 | 55.3 | |
| 7.5 | 34.0 | 58.3 | K |
| 9.0 | 49.0 | 45.2 | |
| 8.8 | 30 21.5 | 41.3 | K |
| 9.5 | 38.5 | 45.2 | |
| 9.2 | 49.3 | 42.8 | K |
| 9.5 | 31 15.5 | 46.9 | |
| 9.3 | 26.5 | 16.6 | |
| 9.2 | 29.3 | 22.8 | |
| 9.5 | 44.8 | 10.0 | |
| 9.5 | 51.5 | 16.3 | |
| 7.2 | 32 14.3 | 52.6 | Kb |
| 9.1 | 33.0 | 17.0 | |
| 9.1 | 35.0 | 29.4 | |
| 9.3 | 35.6 | 6.3 | |
| 7.7 | 33 0.1 | 3.7 | B |
| 9.0 | 23.5 | 13.6 | |
| 9.5 | 27.0 | 44.7 | B |
| 9.1 | 30.6 | 26.8 | Bb |
| 9.5 | 48.0 | 30.3 | |
| 9.5 | 50.6 | 44.3 | B |
| 9.3 | 34 5.7 | 35.5 | |
| 8.8 | 14.0 | 44.7 | K |
| 9.5 | 22.3 | 3.4 | |
| 8.7 | 48.5 | 53.5 | K |
| 9.4 | 50.9 | 14.2 | B |
| 9.3 | 35 0.5 | 31.0 | |
| 9.5 | 10.8 | 24.2 | |
| 9.1 | 14.0 | 30.1 | |
| 9.0 | 17.3 | 38.4 | |
| 8.7 | 17.9 | 51.1 | |
| 8.5 | 33.0 | 32.5 | |
| 9.5 | 37.5 | 59.8 | |
| 9.5 | 46.2 | 5.0 | |
| 9.1 | 52.5 | 36.2 | |
| 7.9 | 36 7.1 | 48.7 | B |
| 10pr. | 21.26 | 0.42 | |

3041—3100

| | 17ᵐ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 7.8 | 36 29.6 | 25.6 | B |
| 7.7 | 38.3 | 8.8 | K |
| 8.6 | 54.5 | 26.2 | K |
| 9.5 | 37 0.7 | 59.0 | |
| 9.5 | 27.8 | 41.6 | B |
| 9.5 | 55.0 | 14.9 | |
| 9.3 | 57.2 | 9.1 | B |
| 9.5 | 38 19.6 | 7.1 | |
| 9.3 | 33.5 | 16.9 | |
| 8.5 | 39.5 | 52.7 | K |
| 9.5 | 39 9.0 | 41.7 | |
| 9.3 | 10.0 | 38.3 | |
| 9.3 | 12.6 | 51.0 | |
| 8.8 | 17.4 | 31.5 | |
| 9.0 | 27.1 | 50.2 | K |
| 9.5 | 30.8 | 29.7 | |
| 9.0 | 31.3 | 9.8 | |
| 8.8 | 33.0 | 36.8 | B |
| 7.0 | 40.9 | 16.8 | B |
| 9.3 | 40 14.5 | 0.1 | |
| 9.5 | 20.5 | 28.7 | |
| 7.7 | 22.2 | 56.8 | K |
| 9.5 | 41 19.0 | 29.4 | |
| 8.8 | 29.5 | 21.5 | K |
| 8.6 | 35.3 | 41.8 | |
| 8.5 | 35.8 | 45.6 | |
| 8.9 | 52.0 | 45.6 | |
| 8.4 | 58.7 | 0.6 | K |
| 9.2 | 42 10.6 | 6.3 | |
| 8.9 | 43.7 | 17.3 | B |
| 9.1 | 45.5 | 28.3 | |
| 9.5 | 43 3.5 | 12.5 | |
| 8.8 | 26.0 | 33.2 | |
| 8.6 | 30.5 | 39.7 | |
| 9.5 | 42.2 | 4.2 | |
| 9.3 | 55.5 | 52.3 | |
| 8.8 | 44 10.0 | 28.6 | |
| 9.3 | 24.1 | 51.6 | |
| 8.0 | 45 18.5 | 28.7 | K |
| 8.5 | 19.5 | 40.8 | |
| 8.8 | 21.0 | 59.4 | |
| 9.4 | 25.1 | 13.0 | |
| 8.0 | 26.5 | 25.6 | K |
| 9.3 | 40.3 | 20.8 | |
| 8.4 | 44.0 | 22.8 | K |
| 9.3 | 46 19.0 | 43.9 | |
| 9.3 | 40.0 | 46.9 | |
| 8.9 | 45.7 | 44.7 | B |
| 9.5 | 57.4 | 36.8 | |
| 9.0 | 47 10.0 | 56.3 | |
| 8.5 | 26.2 | 48.1 | |
| 8.5 | 28.5 | 6.7 | K |
| 9.3 | 31.4 | 58.9 | |
| 9.0 | 36.2 | 10.8 | |
| 9.2 | 36.8 | 21.5 | |
| 9.0 | 48 17.5 | 55.5 | |
| 9.5 | 25.3 | 49.4 | |
| 6.7 | 26.7 | 43.5 | K |
| 9.5 | 45.2 | 8.9 | |
| 9.0 | 49 0.6 | 35.2 | B |
| 10pr. | 21.21 | 0.25 | |

| 3101—3160 | | | | | 3161—3220 | | | | | 3221—3280 | | | | | 3281—3340 | | | | | 3341—3400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ʰ—18ʰ | +35° | | | | 18ʰ | +35° | | | | 18ʰ | +35° | | | | 18ʰ | +35° | | | | 18ʰ | +35° | |
| m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | |
| 9.1 | 49 48.3 | 48.7 | | | 8.8 | 3 53.5 | 8.7 | | | 9.3 | 15 42.4 | 43.1 | | | 9.5 | 27 15.9 | 58.0 | | | 8.8 | 37 54.8 | 5.1 | K |
| 9.0 | 50 7.0 | 33.1 | | | 8.9 | 56.6 | 29.2 | | | 9.5 | 16 11.7 | 8.8 | | | 9.3 | 20.1 | 25.1 | | | 8.3 | 38 12.1 | 24.4 | K |
| 9.5 | 15.9 | 6.8 | B | | 9.5 | 4 10.9 | 45.6 | | | 9.5 | 22.8 | 56.5 | | | 9.5 | 20.9 | 57.0 | | | 9.5 | 39.5 | 27.4 | |
| 8.8 | 32.8 | 37.1 | | | 8.9 | 25.4 | 57.6 | | | 9.5 | 43.8 | 7.8 | | | 9.5 | 35.5 | 34.3 | | | 9.1 | 42.2 | 49.4 | *b* |
| 9.5 | 33.0 | 53.6 | | | 8.8 | 26.5 | 29.3 | | | 9.3 | 17 3.0 | 28.3 | | | 9.5 | 44.7 | 8.9 | | | 9.5 | 49.9 | 33.3 | |
| 9.0 | 58.9 | 45.4 | B | | 9.5 | 53.7 | 47.0 | | | 9.5 | 9.8 | 6.3 | | | 9.4 | 55.9 | 57.7 | | | 8.2 | 39 13.2 | 22.2 | K |
| 9.3 | 51 3.7 | 43.9 | | | 8.9 | 5 10.0 | 17.7 | | | 9.3 | 16.4 | 16.2 | | | 9.5 | 58.1 | 1.4 | | | 9.5 | 37.3 | 48.1 | |
| 9.5 | 4.0 | 52.2 | | | 7.3 | 17.7 | 8.8 | Kb | | 8.4 | 34.9 | 2.1 | | | 8.4 | 28 20.9 | 3.7 | | | 9.5 | 47.7 | 2.7 | |
| 9.4 | 36.9 | 3.0 | | | 9.3 | 35.2 | 47.1 | | | 9.5 | 43.7 | 34.7 | | | 8.6 | 24.2 | 22.4 | B | | 8.7 | 40 5.1 | 23.4 | S |
| 9.5 | 52.5 | 58.7 | | | 9.2 | 45.4 | 18.0 | | | 9.4 | 49.4 | 15.9 | | | 9.1 | 31.0 | 28.1 | | | 9.0 | 5.6 | 23.9 | |
| 8.5 | 52 5.4 | 48.8 | B | | 8.8 | 55.7 | 35.3 | K | | 9.5 | 57.1 | 53.2 | | | 9.5 | 54.9 | 31.3 | | | 9.5 | 9.7 | 35.0 | |
| 7.0 | 15.5 | 42.7 | K | | 9.5 | 6 11.8 | 0.8 | | | 9.5 | 18 41.8 | 5.4 | | | 8.7 | 29 5.7 | 2.2 | B | | 8.9 | 35.2 | 21.4 | |
| 9.3 | 40.0 | 22.8 | | | 9.5 | 13.8 | 4.4 | | | 9.3 | 45.0 | 56.0 | | | 9.3 | 22.8 | 33.0 | | | 9.0 | 40.0 | 26.8 | |
| 9.3 | 53 15.5 | 25.2 | | | 9.5 | 22.5 | 49.1 | | | 8.5 | 48.6 | 37.5 | K | | 7.2 | 32.5 | 41.4 | L | | 9.5 | 46.9 | 57.2 | |
| 9.2 | 27.5 | 13.0 | K | | 9.5 | 23.9 | 57.5 | | | 9.5 | 57.0 | 56.0 | | | 9.5 | 30 7.9 | 57.5 | | | 8.3 | 50.4 | 42.9 | K |
| 7.2 | 34.5 | 39.2 | K | | 9.5 | 44.7 | 21.5 | | | 9.5 | 19 58.3 | 18.6 | | | 9.5 | 20.9 | 30.3 | | | 9.3 | 41 7.2 | 22.1 | |
| 9.1 | 38.5 | 12.5 | | | 8.1 | 7 22.9 | 31.3 | K | | 9.4 | 20 13.8 | 5.6 | | | 9.3 | 30.7 | 35.1 | | | 9.3 | 24.1 | 33.9 | B |
| 9.3 | 59.3 | 56.2 | | | 9.1 | 23.5 | 14.3 | | | 9.5 | 16.6 | 25.4 | | | 9.3 | 46.8 | 6.1 | | | 9.5 | 26.9 | 56.2 | |
| 9.4 | 54 12.0 | 26.3 | | | 9.5 | 24.8 | 57.3 | | | 9.1 | 16.9 | 3.6 | | | 8.7 | 59.8 | 6.3 | K | | 9.5 | 35.3 | 18.2 | |
| 9.5 | 49.5 | 5.6 | | | 9.1 | 27.8 | 32.5 | K | | 7.2 | 37.4 | 15.5 | K | | 9.1 | 31 11.1 | 24.6 | | | 9.3 | 43.2 | 50.1 | |
| 9.3 | 55 13.5 | 34.2 | | | 9.3 | 35.9 | 5.6 | *a* | | 9.5 | 39.0 | 26.3 | | | 9.1 | 21.5 | 13.2 | | | 7.3 | 59.9 | 43.4 | L |
| 9.5 | 14.1 | 53.9 | | | 9.3 | 37.5 | 23.5 | | | 9.1 | 50.1 | 25.8 | | | 9.5 | 29.6 | 9.8 | | | 8.7 | 42 49.1 | 53.4 | |
| 9.0 | 26.0 | 12.8 | | | 9.5 | 38.5 | 53.6 | B | | 9.1 | 56.0 | 27.0 | | | 9.5 | 38.8 | 52.9 | | | 9.3 | 55.6 | 11.4 | |
| 8.8 | 40.5 | 11.5 | | | 9.5 | 57.8 | 24.9 | | | 9.0 | 21 0.1 | 24.5 | K | | 9.5 | 42.4 | 42.9 | | | 8.5 | 43 37.5 | 42.4 | |
| 9.1 | 42.8 | 5.9 | | | 9.0 | 8 1.5 | 41.1 | | | 9.5 | 10.2 | 2.0 | | | 9.5 | 49.0 | 28.1 | | | 9.4 | 44 12.8 | 44.7 | |
| 9.3 | 42.9 | 45.8 | B | | 7.7 | 6.9 | 8.9 | K | | 9.2 | 11.6 | 38.0 | | | 9.5 | 53.2 | 53.8 | | | 9.3 | 13.4 | 0.0 | B |
| 9.3 | 56 1.4 | 58.7 | | | 9.0 | 9.8 | 40.1 | | | 9.3 | 15.0 | 23.0 | | | 9.4 | 56.2 | 37.0 | | | 9.4 | 17.9 | 4.2 | B |
| 8.2 | 12.3 | 31.9 | B | | 9.0 | 18.5 | 23.8 | | | 9.3 | 15.0 | 27.2 | | | 9.3 | 32 14.1 | 51.6 | | | 9.5 | 20.2 | 2.0 | |
| 8.6 | 24.3 | 2.8 | Kb | | 9.5 | 30.0 | 1.2 | | | 9.4 | 25.5 | 1.0 | | | 9.5 | 20.6 | 37.5 | | | 9.5 | 32.8 | 31.9 | |
| 8.5 | 31.0 | 23.8 | K | | 9.5 | 39.0 | 54.6 | | | 8.0 | 31.0 | 37.7 | L | | 8.4 | 22.8 | 32.0 | | | 9.2 | 39.7 | 35.7 | |
| 9.0 | 36.6 | 46.6 | B | | 9.0 | 9 9.3 | 47.9 | | | 8.0 | 50.7 | 59.7 | *B* | | 9.5 | 23.4 | 17.7 | | | 9.0 | 48.6 | 11.5 | K |
| 9.5 | 57 12.0 | 36.2 | | | 9.1 | 19.4 | 59.6 | | | 8.2 | 56.0 | 56.1 | *B* | | 9.2 | 29.1 | 48.5 | | | 9.5 | 50.7 | 35.2 | |
| 8.8 | 14.4 | 27.3 | K | | 9.5 | 35.3 | 47.9 | | | 9.2 | 58.5 | 42.4 | K | | 9.5 | 40.2 | 7.1 | | | 9.4 | 45 0.3 | 0.8 | |
| 9.5 | 48.5 | 47.3 | | | 9.3 | 49.9 | 3.7 | | | 9.2 | 58.7 | 37.2 | | | 9.5 | 47.9 | 46.8 | | | 9.2 | 12.4 | 43.5 | |
| 9.1 | 58 6.3 | 0.5 | | | 9.5 | 10 0.5 | 41.2 | | | 8.1 | 22 11.0 | 26.4 | K | | 9.2 | 48.5 | 39.9 | | | 8.9 | 35.7 | 36.1 | |
| 8.4 | 7.9 | 58.1 | | | 9.5 | 8.2 | 22.7 | | | 9.5 | 24.3 | 38.0 | | | 9.3 | 55.5 | 41.9 | | | 8.5 | 42.9 | 31.5 | K |
| 8.9 | 11.6 | 35.7 | Kb | | 9.5 | 29.4 | 42.7 | | | 9.5 | 25.6 | 25.0 | | | 9.1 | 33 5.8 | 6.0 | K | | 9.3 | 53.5 | 13.7 | |
| 9.3 | 16.2 | 36.9 | | | 9.5 | 40.8 | 5.9 | | | 9.5 | 47.5 | 40.9 | | | 9.4 | 16.0 | 28.7 | | | 9.5 | 46 4.8 | 33.0 | |
| 9.2 | 22.1 | 1.7 | | | 9.2 | 52.2 | 33.6 | Bb | | 9.5 | 59.5 | 14.7 | | | 7.0 | 18.0 | 56.0 | K | | 9.1 | 5.0 | 28.1 | K |
| 8.6 | 28.5 | 34.1 | K | | 9.3 | 59.4 | 58.2 | | | 9.5 | 23 10.6 | 37.2 | | | 9.5 | 49.5 | 15.6 | | | 9.5 | 12.3 | 17.5 | |
| 8.2 | 44.8 | 8.6 | K | | 9.4 | 11 1.3 | 22.7 | | | 8.7 | 39.3 | 0.9 | Kb | | 9.4 | 34 10.1 | 24.4 | | | 9.4 | 18.0 | 54.8 | |
| 7.0 | 48.8 | 59.0 | K | | 9.4 | 8.2 | 49.0 | | | 8.0 | 43.5 | 42.4 | L | | 9.5 | 18.0 | 31.5 | B | | 9.2 | 45.0 | 54.0 | |
| 9.3 | 54.3 | 39.8 | B | | 9.5 | 19.7 | 30.1 | | | 8.5 | 44.5 | 51.2 | B | | 8.8 | 20.2 | 48.5 | | | 9.5 | 57.8 | 35.0 | |
| 9.5 | 59 6.0 | 15.9 | | | 9.5 | 25.9 | 2.6 | | | 9.5 | 24 23.8 | 5.1 | | | 8.8 | 25.5 | 14.4 | | | 9.4 | 58.6 | 41.7 | |
| 9.5 | 11.5 | 58.4 | | | 8.5 | 12 16.3 | 19.1 | | | 9.4 | 31.6 | 10.5 | | | 9.0 | 27.1 | 52.9 | | | 9.2 | 47 11.9 | 56.5 | |
| 8.5 | 27.2 | 58.2 | K | | 9.3 | 20.8 | 40.2 | | | 8.3 | 46.3 | 18.0 | K | | 9.5 | 33.5 | 13.2 | | | 9.5 | 16.2 | 50.8 | |
| 9.3 | 0 3.5 | 13.8 | | | 9.5 | 40.0 | 28.8 | | | 9.5 | 25 15.0 | 27.2 | B | | 9.1 | 36.8 | 5.3 | *b* | | 9.5 | 27.9 | 56.5 | |
| 9.0 | 15.9 | 6.3 | | | 9.2 | 13 25.9 | 3.4 | | | 9.1 | 16.8 | 32.5 | K | | 9.5 | 41.9 | 56.7 | | | 7.2 | 31.3 | 18.5 | R |
| 9.5 | 21.8 | 53.5 | | | 9.5 | 28.5 | 8.7 | | | 9.0 | 18.3 | 37.6 | B | | 9.5 | 47.4 | 44.9 | | | 9.1 | 34.1 | 51.4 | Rb |
| 9.1 | 26.6 | 9.3 | | | 9.5 | 45.0 | 15.6 | | | 9.4 | 24.8 | 38.2 | | | 9.3 | 35 31.3 | 41.8 | | | 9.2 | 44.4 | 44.4 | |
| 9.0 | 53.0 | 25.6 | Kb | | 9.2 | 51.0 | 27.1 | | | 9.3 | 35.3 | 46.0 | | | 9.5 | 43.1 | 9.3 | | | 9.4 | 54.0 | 48.2 | |
| 9.2 | 1 18.2 | 55.5 | | | 8.5 | 53.8 | 4.9 | Kb | | 9.5 | 43.0 | 57.9 | | | 9.4 | 50.4 | 37.9 | B | | 9.4 | 55.0 | 3.2 | |
| 9.3 | 22.5 | 58.0 | | | 9.2 | 14 16.8 | 32.5 | | | 9.4 | 45.7 | 15.9 | | | 9.5 | 53.2 | 21.9 | | | 9.4 | 48 0.0 | 9.3 | *a*B |
| 9.5 | 27.5 | 26.6 | | | 9.3 | 23.2 | 49.3 | | | 9.5 | 48.8 | 33.3 | | | 9.5 | 53.9 | 15.9 | | | 9.5 | 5.7 | 54.9 | |
| 9.5 | 30.2 | 36.7 | | | 8.7 | 23.4 | 40.5 | B | | 9.5 | 59.8 | 33.3 | | | 9.0 | 36 18.1 | 24.8 | | | 9.3 | 6.0 | 44.4 | |
| 9.1 | 38.3 | 55.3 | | | 9.0 | 32.8 | 32.7 | K | | 9.4 | 26 3.9 | 3.4 | | | 9.5 | 29.4 | 58.4 | | | 9.0 | 12.2 | 55.3 | |
| 9.0 | 43.1 | 44.6 | K | | 9.3 | 53.2 | 22.1 | | | 9.3 | 13.0 | 55.0 | Kb | | 9.5 | 46.3 | 49.5 | | | 9.5 | 18.3 | 18.5 | |
| 9.5 | 2 45.6 | 17.6 | | | 9.4 | 55.6 | 45.3 | | | 8.4 | 38.8 | 32.1 | | | 9.5 | 37 18.7 | 36.2 | | | 9.4 | 39.7 | 49.1 | B |
| 9.5 | 3 5.7 | 26.3 | | | 9.5 | 15 2.5 | 39.9 | | | 8.7 | 44.9 | 31.3 | | | 9.5 | 20.8 | 45.8 | | | 7.5 | 42.5 | 35.6 | B |
| 9.1 | 12.5 | 0.7 | | | 9.5 | 24.2 | 48.6 | | | 9.4 | 57.9 | 3.9 | | | 9.5 | 39.3 | 18.8 | | | 8.9 | 45.9 | 6.4 | |
| | + | — | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10pr.* | *21.18* | *0.05* | | | *10pr.* | *21.19* | *0.13* | | | *10pr.* | *21.23* | *0.32* | | | *10pr.* | *21.28* | *0.47* | | | *10pr.* | *21.37* | *0.65* | |

3401—3460

| | 18ᵘ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 48 50.4 | 15.3 | |
| 8.6 | 51.3 | 56.5 | |
| 9.0 | 49 12.5 | 49.2 | B |
| 9.3 | 37.2 | 2.1 | |
| 9.1 | 42.5 | 59.9 | |
| 9.5 | 44.9 | 46.3 | |
| 9.5 | 50 8.3 | 20.4 | |
| 8.3 | 15.3 | 45.4 | B |
| 9.4 | 28.7 | 9.5 | |
| 9.3 | 31.4 | 43.6 | |
| 6.8 | 43.7 | 37.0 | K |
| 8.6 | 54.6 | 18.7 | B |
| 9.4 | 51 17.3 | 47.9 | |
| 9.5 | 25.7 | 59.3 | |
| 9.3 | 36.2 | 32.5 | |
| 9.5 | 58.4 | 9.0 | |
| 9.2 | 59.7 | 3.6 | Kb |
| 9.5 | 52 3.5 | 37.6 | |
| 9.1 | 10.3 | 41.1 | B |
| 9.2 | 12.7 | 36.0 | |
| 9.3 | 12.7 | 44.5 | |
| 9.5 | 27.8 | 8.1 | |
| 9.5 | 30.5 | 42.6 | |
| 9.5 | 41.2 | 22.3 | |
| 9.5 | 50.0 | 55.0 | |
| 9.4 | 58.3 | 35.8 | B |
| 9.5 | 58.6 | 10.1 | |
| 8.9 | 59.4 | 44.4 | K |
| 9.5 | 53 7.1 | 53.0 | |
| 9.5 | 9.9 | 46.8 | |
| 9.3 | 14.5 | 42.1 | |
| 9.5 | 22.8 | 51.0 | |
| 9.1 | 52.2 | 49.8 | K |
| 9.5 | 54 9.9 | 29.6 | |
| 9.4 | 15.1 | 36.3 | B |
| 9.2 | 26.2 | 48.1 | |
| 9.5 | 30.0 | 36.8 | |
| 9.3 | 39.2 | 21.0 | |
| 9.5 | 42.1 | 30.1 | |
| 9.2 | 50.8 | 32.3 | |
| 9.5 | 55.1 | 25.9 | |
| 9.1 | 55.6 | 11.1 | |
| 9.3 | 55 13.0 | 28.3 | |
| 7.9 | 13.2 | 36.9 | K |
| 9.0 | 17.3 | 45.5 | |
| 9.5 | 32.5 | 40.3 | |
| 9.3 | 37.9 | 30.3 | |
| 8.2 | 56.3 | 12.9 | B |
| 8.0 | 56 3.1 | 25.4 | K |
| 9.5 | 24.8 | 6.6 | |
| 9.5 | 45.0 | 26.0 | |
| 9.5 | 48.8 | 0.6 | |
| 9.5 | 57 10.0 | 54.9 | |
| 9.5 | 17.3 | 55.0 | |
| 9.5 | 19.7 | 9.0 | |
| 8.9 | 47.5 | 4.1 | |
| 9.3 | 58.1 | 25.3 | |
| 9.3 | 58 9.6 | 4.3 | |
| 9.1 | 13.3 | 45.8 | |
| 7.7 | 28.8 | 32.1 | S |
| | + | + | |
| 10pr. | 21.44 | 0.77 | |

3461—3520

| | 18ᵘ—19ᵘ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.2 | 58 34.0 | 56.1 | R |
| 9.5 | 45.1 | 51.0 | |
| 7.8 | 55.8 | 34.0 | L |
| 9.5 | 57.9 | 57.7 | |
| 9.4 | 59 10.9 | 2.4 | |
| 9.5 | 37.0 | 1.4 | |
| 9.5 | 38.4 | 42.9 | |
| 9.2 | 46.6 | 11.0 | K |
| 9.3 | 50.4 | 44.1 | K |
| 9.5 | 52.8 | 59.2 | |
| 9.4 | 58.5 | 57.2 | |
| 8.7 | 0 1.6 | 38.0 | K |
| 9.4 | 10.4 | 43.4 | |
| 9.5 | 31.5 | 40.7 | |
| 9.2 | 33.0 | 18.7 | |
| 9.5 | 44.7 | 4.0 | |
| 8.0 | 47.3 | 39.6 | K |
| 8.7 | 50.4 | 35.4 | K |
| 9.4 | 1 18.3 | 4.5 | |
| 7.3 | 38.1 | 54.5 | K |
| 9.5 | 38.2 | 48.1 | |
| 9.0 | 48.0 | 14.6 | |
| 9.5 | 2 1.4 | 35.4 | B |
| 9.4 | 2.8 | 10.4 | |
| 5.2 | 7.6 | 52.5 | B |
| 9.5 | 13.2 | 47.4 | B |
| 9.2 | 40.5 | 12.6 | |
| 9.0 | 44.1 | 32.6 | R |
| 9.0 | 51.2 | 17.5 | |
| 9.5 | 48.0 | 35.8 | |
| 9.5 | 56.6 | 50.9 | |
| 9.5 | 58.3 | 27.7 | |
| 9.5 | 3 43.1 | 26.2 | R |
| 8.8 | 53.3 | 10.1 | |
| 9.4 | 4 16.2 | 59.4 | |
| 9.5 | 18.0 | 1.9 | |
| 9.0 | 23.1 | 33.3 | |
| 9.5 | 25.8 | 40.7 | |
| 8.7 | 26.6 | 48.1 | |
| 9.5 | 31.9 | 39.5 | |
| 6.8 | 43.1 | 25.9 | K |
| 8.8 | 50.2 | 18.5 | |
| 9.0 | 58.7 | 7.8 | K |
| 7.5 | 5 3.0 | 21.0 | K |
| 9.2 | 4.1 | 45.7 | |
| 9.5 | 18.0 | 44.7 | |
| 9.5 | 24.3 | 19.9 | |
| 9.5 | 27.0 | 43.7 | |
| 9.5 | 35.8 | 18.0 | |
| 9.2 | 46.5 | 47.7 | |
| 8.8 | 46.7 | 38.6 | K |
| 9.2 | 6 16.0 | 48.1 | |
| 9.2 | 30.1 | 34.6 | B |
| 9.3 | 35.5 | 31.1 | |
| 9.4 | 43.6 | 42.6 | |
| 9.0 | 47.1 | 28.0 | R |
| 9.4 | 48.7 | 11.0 | |
| 9.0 | 53.0 | 18.9 | |
| 8.4 | 55.1 | 55.6 | |
| 9.4 | 55.6 | 8.9 | |
| | + | + | |
| 10pr. | 21.54 | 0.91 | |

3521—3580

| | 19ᵘ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 7 6.0 | 4.7 | |
| 8.7 | 11.8 | 18.3 | |
| 6.8 | 13.6 | 56.5 | L |
| 8.9 | 15.1 | 50.8 | R |
| 9.0 | 19.2 | 53.5 | |
| 9.2 | 31.8 | 55.2 | |
| 9.5 | 46.2 | 8.3 | |
| 7.8 | 8 2.3 | 18.2 | K |
| 8.4 | 9.4 | 38.9 | K |
| 9.4 | 10.2 | 12.7 | B |
| 8.2 | 15.3 | 1.4 | K |
| 9.3 | 44.5 | 52.6 | |
| 9.5 | 9 1.6 | 46.2 | |
| 7.8 | 25.2 | 54.8 | Kb |
| 9.4 | 30.0 | 26.9 | |
| 8.6 | 46.1 | 53.1 | K |
| 9.5 | 48.5 | 24.7 | |
| 9.5 | 10 7.0 | 8.6 | |
| 9.5 | 35.3 | 38.3 | |
| 9.5 | 35.4 | 47.4 | |
| 9.5 | 43.0 | 13.8 | |
| 9.5 | 51.1 | 24.7 | |
| 8.8 | 53.1 | 36.0 | |
| 9.5 | 11 15.5 | 38.3 | |
| 9.4 | 24.9 | 45.5 | |
| 9.0 | 27.0 | 30.9 | R |
| 9.5 | 32.7 | 55.2 | B |
| 9.3 | 38.0 | 13.9 | |
| 9.5 | 38.3 | 3.5 | |
| 9.5 | 56.4 | 17.6 | |
| 9.0 | 59.1 | 50.6 | |
| 8.2 | 12 0.3 | 43.4 | B |
| 8.9 | 11.3 | 7.0 | K |
| 9.5 | 27.9 | 51.4 | |
| 9.5 | 37.6 | 59.8 | |
| 9.4 | 42.5 | 49.0 | B |
| 9.5 | 57.8 | 42.8 | |
| 9.1 | 13 5.8 | 10.6 | K |
| 9.5 | 17.9 | 55.3 | |
| 9.5 | 18.2 | 36.8 | |
| 9.4 | 18.6 | 9.1 | B |
| 9.5 | 29.2 | 0.3 | B |
| 9.5 | 33.5 | 15.0 | |
| 9.1 | 35.4 | 20.6 | K |
| 8.7 | 36.9 | 46.4 | R |
| 9.1 | 39.2 | 23.9 | B |
| 8.8 | 52.1 | 14.8 | |
| 9.5 | 59.6 | 54.6 | |
| 9.2 | 14 14.5 | 7.7 | |
| 8.6 | 20.1 | 41.5 | K |
| 9.2 | 29.2 | 15.3 | |
| 8.8 | 34.3 | 4.5 | |
| 7.3 | 37.6 | 15.9 | S |
| 9.3 | 39.0 | 46.3 | K |
| 9.5 | 15 7.5 | 42.7 | |
| 8.5 | 14.1 | 55.0 | K |
| 9.3 | 20.3 | 5.6 | |
| 9.3 | 25.8 | 4.3 | |
| 9.4 | 27.4 | 24.5 | |
| 9.2 | 31.6 | 17.8 | |
| | + | + | |
| 10pr. | 21.66 | 1.04 | |

3581—3640

| | 19ᵘ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 15 32.0 | 23.5 | |
| 9.4 | 35.3 | 53.1 | B |
| 9.1 | 40.0 | 32.1 | |
| 9.4 | 50.0 | 9.0 | |
| 9.4 | 16 24.1 | 45.1 | B |
| 9.4 | 26.1 | 41.6 | |
| 8.9 | 27.3 | 26.9 | |
| 8.4 | 34.0 | 55.6 | L |
| 9.2 | 35.6 | 12.2 | Bb |
| 9.4 | 38.2 | 18.7 | |
| 9.4 | 40.3 | 25.6 | |
| 9.5 | 55.1 | 53.9 | |
| 9.4 | 17 27.2 | 23.1 | |
| 9.5 | 33.0 | 52.2 | |
| 9.5 | 18 16.2 | 50.5 | |
| 8.8 | 17.3 | 40.2 | |
| 9.3 | 20.1 | 18.5 | |
| 7.9 | 39.0 | 54.3 | L |
| 9.4 | 48.7 | 43.7 | |
| 9.5 | 19 1.9 | 51.2 | |
| 9.5 | 5.1 | 48.5 | |
| 8.3 | 7.8 | 30.0 | |
| 9.4 | 8.6 | 49.3 | B |
| 8.5 | 18.1 | 18.5 | K |
| 9.2 | 25.9 | 47.6 | |
| 9.3 | 31.8 | 10.6 | |
| 9.4 | 45.7 | 27.9 | |
| 9.4 | 46.8 | 11.1 | |
| 7.9 | 53.5 | 42.9 | B |
| 9.4 | 59.6 | 25.2 | |
| 9.3 | 20 24.5 | 14.5 | |
| 9.3 | 38.4 | 32.4 | |
| 8.7 | 44.0 | 38.0 | K |
| 8.0 | 44.7 | 54.5 | L |
| 9.1 | 51.8 | 15.2 | B |
| 9.0 | 53.2 | 25.2 | B |
| 9.3 | 21 6.6 | 46.5 | B |
| 9.2 | 7.1 | 12.0 | B |
| 9.4 | 17.6 | 17.8 | |
| 8.5 | 21.0 | 36.9 | K |
| 9.1 | 24.9 | 8.3 | |
| 9.1 | 36.8 | 24.4 | |
| 7.5 | 37.6 | 37.0 | K |
| 9.5 | 51.2 | 59.5 | |
| 8.9 | 56.1 | 55.5 | |
| 9.4 | 22 2.9 | 31.0 | |
| 9.2 | 3.7 | 3.9 | |
| 9.3 | 3.8 | 29.2 | B |
| 9.3 | 7.4 | 57.0 | |
| 8.9 | 11.2 | 45.9 | K |
| 9.5 | 12.2 | 34.9 | |
| 9.5 | 26.5 | 13.8 | |
| 9.5 | 33.1 | 31.3 | |
| 9.1 | 34.7 | 55.5 | K |
| 9.5 | 44.0 | 30.5 | |
| 9.5 | 49.8 | 2.2 | |
| 8.7 | 50.9 | 2.7 | K |
| 9.5 | 55.1 | 29.8 | B |
| 8.7 | 23 6.8 | 0.6 | K |
| 8.7 | 8.1 | 40.3 | |
| | + | + | |
| 10pr. | 21.76 | 1.14 | |

3641—3700

| | 19ᵘ | +35° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 23 8.3 | 55.1 | K |
| 9.4 | 12.7 | 15.6 | |
| 9.5 | 30.3 | 0.6 | |
| 9.3 | 40.8 | 52.1 | |
| 9.4 | 47.5 | 15.3 | |
| 9.4 | 51.5 | 46.6 | B |
| 9.5 | 52.0 | 43.8 | |
| 8.3 | 24 0.0 | 1.3 | K |
| 9.5 | 7.7 | 15.5 | |
| 6.5 | 15.4 | 59.5 | L |
| 9.5 | 26.5 | 8.2 | |
| 9.5 | 30.4 | 48.7 | |
| 9.4 | 40.7 | 29.0 | B |
| 9.5 | 54.0 | 21.5 | |
| 9.3 | 54.2 | 6.2 | |
| 9.2 | 25 8.4 | 41.3 | K |
| 9.0 | 19.0 | 36.8 | K |
| 6.5 | 32.1 | 55.6 | K |
| 9.5 | 48.8 | 52.9 | |
| 8.9 | 49.1 | 26.7 | |
| 8.9 | 51.5 | 6.0 | |
| 9.5 | 26 1.7 | 43.9 | |
| 9.5 | 6.9 | 25.9 | |
| 9.5 | 14.3 | 13.1 | |
| 9.5 | 18.6 | 11.1 | |
| 9.5 | 34.1 | 52.3 | |
| 9.4 | 42.5 | 3.5 | |
| 9.5 | 49.3 | 36.5 | |
| 9.5 | 49.6 | 56.8 | |
| 9.5 | 27 4.7 | 20.0 | |
| 9.1 | 16.8 | 0.8 | |
| 9.1 | 18.1 | 53.1 | |
| 9.0 | 49.2 | 31.6 | |
| 9.5 | 28 1.5 | 55.1 | |
| 9.5 | 8.4 | 59.8 | |
| 9.5 | 11.0 | 15.1 | |
| 9.4 | 11.0 | 32.4 | |
| 7.9 | 14.1 | 42.7 | L |
| 8.5 | 14.6 | 23.4 | L |
| 8.9 | 17.8 | 51.8 | |
| 8.4 | 20.1 | 43.6 | L |
| 9.5 | 24.9 | 3.3 | |
| 9.5 | 29.2 | 55.7 | |
| 9.4 | 35.5 | 28.3 | |
| 9.4 | 47.4 | 33.4 | |
| 9.5 | 55.5 | 15.8 | |
| 9.5 | 29 0.7 | 3.6 | |
| 8.8 | 14.3 | 24.7 | |
| 9.4 | 28.0 | 57.8 | |
| 9.5 | 42.9 | 4.7 | |
| 9.5 | 48.3 | 32.3 | |
| 9.3 | 50.1 | 55.0 | |
| 8.3 | 50.1 | 18.5 | |
| 8.0 | 53.1 | 23.1 | L |
| 9.4 | 30 0.2 | 7.6 | |
| 9.5 | 1.8 | 56.5 | |
| 9.5 | 22.6 | 12.8 | |
| 8.9 | 23.1 | 17.7 | |
| 9.0 | 26.2 | 58.2 | |
| 8.8 | 31.0 | 25.1 | |
| | + | + | |
| 10pr. | 21.87 | 1.24 | |

| m | 19ʰ | +35° | |
|---|---|---|---|
| | 3701—3760 | | |
| 9.5 | 30′ 33.6″ | 26.6′ | |
| 9.3 | 53.5 | 37.6 | B |
| 8.5 | 58.4 | 20.7 | B |
| 9.2 | 31 3.0 | 16.3 | |
| 8.1 | 3.1 | 21.4 | B |
| 8.2 | 5.1 | 22.3 | B |
| 9.3 | 20.5 | 27.4 | |
| 8.7 | 35.1 | 58.8 | |
| 9.5 | 57.5 | 13.6 | |
| 9.5 | 58.9 | 35.8 | |
| 9.5 | 32 2.1 | 32.4 | |
| 9.2 | 8.2 | 22.8 | |
| 9.2 | 10.8 | 0.8 | K |
| 9.2 | 48.7 | 18.7 | |
| 8.8 | 49.6 | 30.9 | |
| 9.5 | 50.2 | 33.3 | |
| 9.4 | 52.3 | 36.5 | |
| 9.5 | 54.1 | 40.0 | |
| 9.0 | 33 2.9 | 2.4 | B |
| 9.3 | 9.2 | 39.5 | |
| 9.5 | 11.5 | 35.1 | |
| 9.1 | 17.9 | 20.0 | |
| 8.8 | 18.6 | 50.6 | |
| 8.5 | 20.7 | 36.8 | |
| 9.1 | 27.1 | 55.6 | b |
| 9.5 | 27.2 | 18.8 | |
| 9.5 | 34.4 | 23.5 | |
| 9.4 | 37.1 | 38.3 | |
| 8.5 | 52.0 | 35.8 | |
| 8.2 | 55.5 | 6.0 | K |
| 9.2 | 56.7 | 48.2 | |
| 9.4 | 34 0.2 | 46.5 | |
| 9.0 | 10.1 | 12.7 | |
| 9.5 | 11.2 | 23.7 | B |
| 9.5 | 22.4 | 56.1 | |
| 8.5 | 27.2 | 12.4 | K |
| 9.5 | 29.0 | 44.2 | B |
| 9.5 | 33.5 | 2.8 | |
| 8.2 | 35.4 | 17.8 | |
| 9.4 | 35.5 | 25.7 | |
| 9.5 | 59.7 | 32.1 | |
| 9.5 | 35 1.9 | 39.3 | |
| 8.5 | 20.4 | 27.8 | |
| 9.2 | 26.7 | 6.9 | K |
| 9.3 | 38.1 | 44.0 | |
| 9.1 | 42.1 | 10.2 | |
| 9.5 | 50.5 | 2.3 | |
| 9.3 | 36 6.4 | 8.6 | |
| 9.1 | 9.1 | 22.0 | K |
| 9.0 | 9.6 | 28.7 | K |
| 9.5 | 15.2 | 55.4 | |
| 9.5 | 28.7 | 4.2 | |
| 8.8 | 38.3 | 21.0 | K |
| 7.3 | 38.3 | 53.4 | L |
| 8.9 | 51.2 | 1.1 | |
| 9.5 | 37 3.5 | 35.8 | |
| 8.5 | 10.0 | 17.3 | |
| 8.8 | 13.0 | 52.5 | B |
| 9.4 | 20.5 | 40.7 | |
| 9.5 | 25.6 | 55.1 | |
| 10pr. | 21.97 | 1.33 | |

| m | 19ʰ | +35° | |
|---|---|---|---|
| | 3761—3820 | | |
| 8.3 | 37′ 30.5″ | 30.4′ | K |
| 8.2 | 31.1 | 24.4 | K |
| 9.1 | 35.7 | 6.2 | |
| 8.1 | 41.0 | 7.5 | L |
| 9.5 | 50.5 | 59.4 | |
| 9.2 | 51.4 | 30.4 | |
| 9.4 | 52.0 | 58.9 | |
| 9.3 | 54.5 | 56.8 | B |
| 8.8 | 56.8 | 9.3 | B |
| 8.7 | 58.7 | 53.9 | B |
| 9.4 | 38 4.8 | 56.1 | |
| 9.5 | 14.6 | 58.3 | |
| 8.7 | 33.0 | 5.1 | |
| 9.5 | 39.1 | 30.6 | |
| 9.5 | 39 2.5 | 36.8 | |
| 9.5 | 10.5 | 43.2 | |
| 9.5 | 12.4 | 21.0 | |
| 9.5 | 13.0 | 29.3 | B |
| 9.5 | 19.3 | 17.5 | |
| 9.3 | 24.0 | 7.0 | K |
| 9.5 | 28.0 | 26.8 | |
| 9.5 | 40.5 | 30.9 | |
| 9.2 | 50.1 | 30.8 | |
| 9.1 | 40 8.9 | 43.5 | |
| 9.4 | 14.0 | 8.2 | |
| 7.0 | 20.9 | 44.6 | S |
| 8.0 | 21.5 | 44.3 | L |
| 9.4 | 25.0 | 53.1 | |
| 9.5 | 25.1 | 26.2 | |
| 9.5 | 35.8 | 37.0 | |
| 8.3 | 37.9 | 6.1 | K |
| 9.4 | 41.5 | 26.0 | |
| 9.3 | 50.3 | 5.8 | |
| 9.3 | 52.8 | 2.1 | |
| 9.4 | 54.8 | 24.7 | |
| 9.5 | 41 2.2 | 16.2 | |
| 9.5 | 15.6 | 12.5 | |
| 9.4 | 15.7 | 15.5 | |
| 8.6 | 19.5 | 30.8 | |
| 9.4 | 32.7 | 11.5 | B |
| 9.3 | 41.7 | 8.1 | |
| 9.1 | 42 3.8 | 23.9 | |
| 9.5 | 14.8 | 35.5 | |
| 9.3 | 16.8 | 9.4 | αB |
| 9.4 | 16.8 | 45.6 | |
| 9.4 | 22.0 | 58.7 | |
| 9.0 | 23.3 | 35.5 | |
| 9.5 | 25.4 | 11.8 | |
| 8.9 | 31.8 | 0.6 | K |
| 9.4 | 35.0 | 3.5 | |
| 9.5 | 36.8 | 30.8 | |
| 9.5 | 57.7 | 39.9 | |
| 9.2 | 43 0.9 | 32.0 | |
| 8.7 | 4.8 | 14.7 | K |
| 9.5 | 7.5 | 16.2 | |
| 9.5 | 14.6 | 37.7 | |
| 9.5 | 23.8 | 0.5 | |
| 9.3 | 30.0 | 45.4 | |
| 9.5 | 41.7 | 8.4 | |
| 9.5 | 44 1.5 | 20.6 | |
| 10pr. | 22.08 | 1.42 | |

| m | 19ʰ | +35° | |
|---|---|---|---|
| | 3821—3880 | | |
| 9.5 | 44′ 8.8″ | 28.7′ | |
| 9.5 | 19.2 | 34.2 | |
| 9.5 | 21.8 | 40.0 | |
| 9.2 | 25.1 | 55.8 | K |
| 8.7 | 37.0 | 18.3 | |
| 7.5 | 59.8 | 44.2 | Lb |
| 8.9 | 45 16.4 | 28.6 | |
| 9.0 | 26.4 | 25.9 | |
| 9.5 | 28.7 | 50.8 | |
| 8.7 | 32.3 | 2.3 | |
| 9.5 | 38.2 | 38.2 | |
| 9.5 | 43.7 | 35.4 | B |
| 9.5 | 47.4 | 55.7 | |
| 9.2 | 51.2 | 29.1 | |
| 9.5 | 54.5 | 13.2 | |
| 9.5 | 59.7 | 32.5 | |
| 8.9 | 46 5.9 | 27.6 | B |
| 9.2 | 14.9 | 45.8 | |
| 8.5 | 23.5 | 14.4 | |
| 9.5 | 32.8 | 3.3 | |
| 9.1 | 34.4 | 49.2 | B |
| 9.5 | 40.8 | 1.8 | |
| 9.0 | 41.6 | 49.3 | B |
| 8.3 | 54.4 | 47.2 | L |
| 9.0 | 47 2.5 | 14.3 | |
| 9.2 | 3.3 | 26.6 | |
| 9.5 | 14.7 | 57.5 | |
| 9.5 | 28.2 | 9.6 | |
| 9.4 | 44.8 | 43.4 | |
| 8.2 | 48 2.6 | 49.3 | Lb |
| 8.5 | 11.8 | 28.3 | |
| 9.0 | 30.9 | 33.0 | K |
| 9.5 | 33.7 | 52.3 | |
| 9.5 | 41.5 | 26.6 | |
| 9.5 | 49 8.0 | 1.8 | |
| 9.5 | 19.9 | 34.5 | |
| 9.1 | 28.2 | 26.3 | K |
| 9.3 | 30.4 | 9.3 | |
| 9.2 | 39.8 | 27.6 | K |
| 8.9 | 40.1 | 29.3 | K |
| 8.8 | 44.8 | 48.2 | B |
| 9.3 | 54.8 | 30.3 | K |
| 9.5 | 55.2 | 53.7 | |
| 8.9 | 50 15.7 | 47.6 | |
| 9.4 | 18.3 | 57.1 | |
| 9.0 | 26.9 | 41.2 | |
| 8.5 | 35.4 | 26.4 | K |
| 8.7 | 40.0 | 9.1 | B |
| 8.9 | 43.8 | 59.0 | |
| 9.4 | 56.3 | 38.2 | |
| 9.5 | 56.9 | 30.8 | |
| 8.0 | 51 1.0 | 24.2 | K |
| 9.5 | 4.7 | 43.7 | |
| 9.0 | 11.7 | 11.1 | |
| 9.5 | 13.7 | 41.3 | |
| 8.5 | 14.8 | 57.0 | L |
| 8.9 | 15.3 | 18.9 | B |
| 6.4 | 22.5 | 51.8 | L |
| 9.1 | 22.8 | 19.1 | B |
| 9.3 | 23.2 | 39.1 | |
| 10pr. | 22.22 | 1.52 | |

| m | 19ʰ | +35° | |
|---|---|---|---|
| | 3881—3940 | | |
| 8.6 | 51′ 28.3″ | 9.1′ | |
| 9.2 | 30.0 | 35.0 | |
| 8.7 | 35.0 | 31.5 | K |
| 9.0 | 36.5 | 27.5 | K |
| 9.3 | 52 4.1 | 40.4 | K |
| 9.5 | 9.2 | 43.3 | |
| 9.5 | 27.7 | 44.0 | |
| 9.4 | 33.1 | 10.3 | B |
| 8.1 | 37.0 | 56.7 | K |
| 9.5 | 39.2 | 6.6 | |
| 9.3 | 48.2 | 46.4 | K |
| 9.1 | 53 2.5 | 29.3 | b |
| 9.5 | 15.0 | 43.9 | |
| 9.1 | 20.2 | 13.7 | |
| 7.4 | 25.2 | 6.1 | L |
| 9.5 | 33.9 | 34.0 | |
| 9.5 | 39.7 | 15.1 | |
| 8.2 | 41.2 | 8.6 | S |
| 9.2 | 47.6 | 43.4 | |
| 9.3 | 52.8 | 28.0 | |
| 9.1 | 54 0.8 | 21.9 | |
| 8.3 | 2.9 | 30.3 | |
| 9.0 | 3.2 | 48.6 | |
| 9.4 | 5.2 | 23.9 | B |
| 9.3 | 12.7 | 20.3 | |
| 9.2 | 15.5 | 25.6 | |
| 9.4 | 19.0 | 58.9 | |
| 9.5 | 45.5 | 57.0 | |
| ~~7.0~~ | ~~54.1~~ | ~~57.4~~ | |
| 9.4 | 53.7 | 23.0 | B |
| 9.5 | 55 0.7 | 39.8 | |
| 9.4 | 2.0 | 6.9 | |
| 9.5 | 32.2 | 46.9 | |
| 9.5 | 44.1 | 41.9 | |
| 9.5 | 49.7 | 33.0 | |
| 9.5 | 50.2 | 40.2 | |
| 9.5 | 56 7.0 | 58.5 | |
| 9.4 | 12.2 | 20.5 | B |
| 9.5 | 15.7 | 4.2 | |
| 8.0 | 36.9 | 14.5 | B |
| 9.2 | 44.2 | 42.6 | b |
| 9.5 | 44.7 | 59.5 | |
| 9.3 | 45.8 | 28.2 | B |
| 9.3 | 55.6 | 16.5 | B |
| 9.2 | 57 5.2 | 17.5 | α |
| 9.5 | 7.2 | 43.0 | |
| 9.5 | 45.3 | 13.2 | |
| 9.5 | 56.1 | 30.5 | |
| 9.4 | 58 2.9 | 37.7 | B |
| 7.0 | 4.7 | 37.5 | K |
| 9.4 | 7.4 | 59.1 | |
| 9.3 | 26.2 | 9.2 | |
| 9.0 | 32.2 | 26.0 | K |
| 9.5 | 34.2 | 18.2 | |
| 9.5 | 40.5 | 32.2 | R |
| 9.3 | 52.1 | 51.3 | |
| 9.3 | 56.6 | 18.6 | B |
| 9.2 | 59 4.0 | 55.2 | |
| 9.0 | 8.8 | 10.4 | B |
| 9.4 | 26.2 | 25.8 | |
| 10pr. | 22.36 | 1.60 | |

| m | 19ʰ—20ʰ | +35° | |
|---|---|---|---|
| | 3941—4000 | | |
| 9.5 | 59′ 26.5″ | 49.5′ | |
| 9.5 | 37.1 | 34.7 | |
| 9.1 | 43.2 | 44.8 | K |
| 8.6 | 45.2 | 17.4 | |
| 9.5 | 48.3 | 53.2 | |
| 9.2 | 59.5 | 40.4 | |
| 9.3 | 0 1.9 | 58.5 | |
| 9.2 | 8.7 | 12.5 | |
| 8.2 | 12.2 | 11.0 | L |
| 8.8 | 19.2 | 28.8 | |
| 9.4 | 27.2 | 12.3 | |
| 7.5 | 29.3 | 15.5 | L |
| 7.0 | 30.8 | 22.6 | B |
| 7.9 | 31.7 | 54.7 | K |
| 8.0 | 32.1 | 23.1 | L |
| 8.9 | 33.5 | 21.0 | B |
| 8.2 | 34.7 | 21.2 | B |
| 9.5 | 50.4 | 23.0 | |
| 5.5 | 58.2 | 34.1 | Kb |
| 9.4 | 59.4 | 40.0 | |
| 9.2 | 1 1.2 | 55.2 | |
| 7.5 | 4.2 | 49.0 | K |
| 9.2 | 6.0 | 27.8 | |
| 8.0 | 8.2 | 19.9 | K |
| 9.3 | 8.6 | 44.1 | |
| 8.1 | 33.6 | 58.8 | B |
| 9.0 | 48.2 | 56.4 | |
| 8.9 | 48.2 | 9.0 | |
| 9.2 | 51.2 | 9.7 | |
| 7.7 | 55.2 | 18.1 | K |
| 9.4 | 55.7 | 23.5 | |
| 8.6 | 59.5 | 29.5 | |
| 9.2 | 2 6.2 | 12.0 | |
| 9.4 | 7.4 | 25.3 | |
| 9.2 | 27.3 | 52.8 | |
| 9.4 | 28.8 | 14.2 | |
| 9.1 | 29.0 | 27.1 | |
| 9.4 | 30.6 | 17.9 | |
| 9.5 | 29.5 | 48.1 | |
| 9.5 | 37.2 | 28.1 | |
| 9.5 | 39.2 | 42.4 | |
| 9.2 | 44.4 | 19.4 | |
| 9.0 | 54.3 | 2.4 | |
| 9.5 | 3 15.9 | 59.6 | |
| 8.0 | 21.2 | 43.6 | B |
| 9.4 | 24.3 | 9.3 | |
| 8.3 | 24.7 | 5.6 | K |
| 9.1 | 25.9 | 43.5 | B |
| 9.5 | 32.4 | 49.7 | |
| 9.3 | 32.8 | 35.7 | |
| 9.5 | 34.3 | 24.3 | |
| 9.4 | 41.2 | 0.6 | |
| 9.2 | 45.0 | 37.4 | |
| 7.5 | 46.2 | 3.3 | K |
| 8.2 | 4 0.8 | 18.5 | B |
| 9.3 | 10.3 | 34.1 | |
| 9.4 | 11.6 | 20.4 | |
| 9.1 | 29.2 | 4.1 | Kb |
| 9.0 | 41.4 | 51.0 | |
| 9.0 | 45.2 | 46.3 | K |
| 10pr. | 22.50 | 1.69 | |

| 4001—4060 | | | | | 4061—4120 | | | | | 4121—4180 | | | | | 4181—4240 | | | | | 4241—4300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | | +35° | | | 20ᵐ | | +35° | | | 20ᵐ | | +35° | | | 20ᵐ | | +35° | | | 20ᵐ | | +35° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.5 | 4 | 49 | 3 | 45.1 | K | 9.3 | 13 | 16 | 6 | 28.5 | B | 9.5 | 21 | 24 | 0 | 52.8 | | 9.5 | 30 | 15 | 9 | 0.7 | | 8.8 | 38 | 33 | 2 | 5.7 | B |
| var | | 55 | 2 | 31.0 | | 8.7 | | 19 | 2 | 53.5 | | 9.5 | | 27 | 6 | 23.3 | | 9.5 | | 25 | 0 | 4.3 | | 9.4 | | 45 | 5 | 45.4 | |
| 9.2 | | 58 | 2 | 26.3 | K | 9.4 | | 23 | 9 | 26.6 | | 9.0 | | 32 | 2 | 17.3 | | 9.5 | | 31 | 1 | 17.9 | | 9.2 | | 52 | 2 | 30.5 | |
| 9.0 | 5 | 11 | 2 | 26.5 | K | 9.5 | | 31 | 0 | 23.6 | | 9.5 | | 46 | 8 | 15.0 | | 8.5 | | 38 | 0 | 30.7 | | 9.5 | 39 | 6 | 0 | 11.0 | |
| 9.5 | | 27 | 5 | 59.8 | | 9.5 | | 49 | 4 | 21.6 | | 9.2 | | 56 | 2 | 24.2 | | 9.3 | | 50 | 3 | 13.8 | | 9.5 | | 7 | 1 | 25.6 | |
| 7.8 | | 29 | 2 | 31.1 | K | 9.2 | | 53 | 0 | 28.0 | | 9.5 | 22 | 10 | 1 | 35.4 | | 9.4 | | 58 | 1 | 16.4 | | 9.5 | | 7 | 3 | 42.1 | |
| 9.5 | | 40 | 9 | 59.8 | | 9.2 | 14 | 8 | 2 | 45.8 | | 9.2 | | 25 | 5 | 3.0 | | 9.0 | 31 | 0 | 0 | 43.3 | | 9.4 | | 22 | 0 | 55.4 | |
| 9.3 | | 51 | 1 | 23.8 | | 9.0 | | 10 | 2 | 23.1 | K | 9.1 | | 30 | 4 | 55.4 | | 8.6 | | 1 | 1 | 18.1 | B | 9.5 | | 22 | 5 | 59.7 | |
| 9.5 | | 52 | 0 | 24.3 | | 8.4 | | 29 | 0 | 48.8 | K | 8.7 | | 37 | 3 | 47.2 | K | 9.5 | | 36 | 3 | 29.2 | B | 9.5 | | 28 | 9 | 1.6 | |
| 9.3 | | 52 | 1 | 19.8 | | 9.5 | | 39 | 0 | 17.2 | | 8.1 | | 37 | 9 | 15.3 | Kb | 9.5 | | 36 | 3 | 28.3 | | 9.5 | | 36 | 6 | 20.8 | |
| 9.3 | 6 | 0 | 6 | 26.7 | | 9.1 | | 41 | 2 | 38.7 | K | 9.2 | | 41 | 5 | 27.1 | | 9.3 | | 38 | 2 | 10.9 | | 9.1 | | 42 | 0 | 59.2 | K |
| 9.5 | | 15 | 2 | 13.5 | | 9.5 | | 50 | 1 | 12.3 | | 9.4 | | 52 | 8 | 38.5 | B | 9.4 | 32 | 0 | 7 | 28.2 | B | 9.2 | | 42 | 2 | 38.1 | K |
| 8.0 | | 27 | 3 | 46.1 | K | 9.0 | | 58 | 6 | 22.6 | | 9.2 | 23 | 1 | 6 | 42.7 | K | 9.5 | | 6 | 1 | 40.3 | | 9.4 | | 46 | 9 | 18.1 | |
| 9.5 | | 35 | 7 | 13.0 | | 9.5 | | 59 | 2 | 55.5 | | 9.5 | | 10 | 6 | 45.5 | | 9.5 | | 25 | 4 | 30.7 | | 9.5 | | 54 | 3 | 21.5 | |
| 9.2 | | 36 | 0 | 3.3 | | 9.3 | 15 | 30 | 5 | 19.1 | | 9.4 | | 13 | 4 | 8.4 | αB | 9.4 | | 26 | 0 | 24.0 | | 9.4 | | 59 | 7 | 54.7 | |
| 9.2 | | 40 | 3 | 37.9 | | 9.3 | | 33 | 8 | 42.8 | | 9.2 | | 16 | 0 | 59.3 | | 9.5 | | 27 | 2 | 10.9 | | 9.5 | 40 | 14 | 2 | 52.7 | |
| 9.5 | | 44 | 2 | 18.4 | | 9.5 | | 39 | 3 | 9.3 | | 9.4 | | 17 | 5 | 28.5 | | 8.3 | | 33 | 3 | 7.9 | K | 9.3 | | 15 | 1 | 24.6 | |
| 9.5 | | 48 | 3 | 53.3 | | 8.6 | | 46 | 2 | 25.5 | K | 9.2 | | 20 | 3 | 3.6 | | 9.2 | | 39 | 1 | 15.8 | | 9.1 | | 31 | 1 | 0.9 | |
| 9.1 | 7 | 26 | 7 | 59.6 | | 9.3 | | 46 | 6 | 50.0 | | 9.5 | | 20 | 5 | 5.9 | | 9.5 | | 56 | 2 | 14.3 | | 9.3 | | 45 | 2 | 19.7 | |
| 9.3 | | 27 | 7 | 20.6 | | 9.5 | | 49 | 7 | 59.3 | B | 7.8 | | 31 | 2 | 20.8 | K | 9.5 | 33 | 27 | 8 | 4.6 | | 9.2 | | 55 | 2 | 18.2 | |
| 9.2 | | 36 | 2 | 35.9 | | 9.5 | 16 | 1 | 9 | 59.6 | | 6.2 | | 48 | 5 | 58.5 | Kb | 9.5 | | 36 | 7 | 20.0 | | 9.0 | 41 | 1 | 7 | 6.1 | |
| 9.5 | | 36 | 2 | 18.1 | | 8.8 | | 9 | 4 | 30.7 | K | 9.1 | 24 | 4 | 0 | 37.2 | | 9.4 | | 40 | 7 | 20.5 | B | 8.8 | | 6 | 8 | 38.0 | K |
| 7.3 | | 50 | 7 | 9.8 | B | 8.8 | | 37 | 2 | 46.3 | | 8.6 | | 41 | 2 | 39.6 | K | 9.5 | | 42 | 8 | 40.2 | | 9.4 | | 15 | 2 | 33.6 | |
| 9.5 | 8 | 1 | 0 | 44.8 | | 9.5 | | 52 | 7 | 54.0 | | 9.2 | | 50 | 9 | 37.4 | | 9.5 | | 45 | 6 | 37.9 | | 9.4 | | 26 | 0 | 43.2 | |
| 9.2 | | 2 | 1 | 9.5 | | 9.1 | 17 | 0 | 1 | 31.0 | | 9.2 | | 54 | 2 | 10.7 | | 9.3 | 34 | 2 | 1 | 40.4 | | 9.0 | | 29 | 1 | 10.8 | |
| 7.0 | | 6 | 3 | 53.7 | L | 8.4 | | 2 | 0 | 1.6 | K | 8.0 | 25 | 12 | 2 | 54.7 | K | 9.5 | | 24 | 0 | 20.6 | | 9.5 | | 37 | 0 | 19.7 | |
| 9.1 | | 11 | 9 | 41.4 | | 8.7 | | 8 | 3 | 37.4 | | 9.5 | | 13 | 6 | 28.4 | | 9.5 | | 49 | 2 | 7.1 | | 4.7 | | 46 | 7 | 57.7 | K |
| 9.5 | | 25 | 0 | 18.9 | | 9.5 | | 26 | 9 | 36.6 | | 8.5 | | 18 | 0 | 9.5 | | 9.2 | | 53 | 9 | 52.8 | b | 8.2 | | 49 | 0 | 45.4 | K |
| 8.6 | | 39 | 3 | 50.3 | | 9.5 | | 28 | 6 | 47.7 | | 9.5 | | 29 | 5 | 38.6 | | 9.5 | | 54 | 7 | 1.2 | | 9.3 | | 53 | 2 | 57.7 | |
| 9.5 | | 42 | 2 | 2.3 | | 8.2 | | 38 | 0 | 13.4 | K | 8.8 | | 46 | 1 | 39.8 | | 9.4 | 35 | 0 | 5 | 58.8 | | 8.6 | | 53 | 2 | 33.2 | K |
| *9.5 | | 53 | 5 | 3.4 | | 9.2 | | 46 | 4 | 50.2 | | 9.5 | | 54 | 4 | 27.0 | | 9.5 | | 13 | 3 | 49.9 | | 9.5 | 42 | 49 | 3 | 18.4 | |
| *8.6 | | 55 | 7 | 11.0 | K | 9.0 | | 47 | 5 | 24.5 | | 9.5 | | 57 | 8 | 59.7 | | 9.1 | | 14 | 6 | 4.2 | | 8.8 | | 54 | 2 | 23.1 | |
| *8.3 | | 56 | 8 | 45.1 | | 9.5 | | 49 | 9 | 37.4 | B | 9.5 | 26 | 11 | 0 | 7.2 | | 9.5 | | 16 | 8 | 55.3 | | 8.8 | 43 | 1 | 0 | 42.9 | |
| *9.5 | 9 | 17 | 2 | 8.6 | | 9.2 | | 53 | 2 | 55.9 | | 9.4 | | 22 | 0 | 54.5 | | 9.2 | | 41 | 5 | 7.6 | | 9.5 | | 4 | 5 | 28.2 | |
| 9.5 | | 33 | 9 | 21.4 | | 9.2 | 18 | 1 | 9 | 50.5 | | 9.5 | | 22 | 9 | 51.0 | | 9.5 | | 50 | 9 | 5.9 | | 9.0 | | 4 | 6 | 8.3 | |
| 9.5 | | 44 | 1 | 29.1 | | 9.5 | | 5 | 9 | 37.5 | B | 9.4 | | 23 | 7 | 4.5 | | 9.5 | | 51 | 7 | 25.9 | | 9.5 | | 5 | 5 | 22.7 | |
| 9.5 | 10 | 1 | 0 | 10.3 | | 9.0 | | 19 | 9 | 37.4 | B | 9.5 | | 26 | 5 | 44.5 | | 8.2 | | 54 | 2 | 13.0 | K | 9.2 | | 6 | 2 | 33.2 | |
| 9.1 | | 2 | 5 | 41.7 | | 9.1 | | 28 | 0 | 17.9 | | 9.0 | | 31 | 5 | 28.3 | K | 7.5 | | 54 | 7 | 23.8 | K | 9.5 | | 15 | 4 | 4.8 | |
| 9.3 | | 24 | 0 | 55.3 | | 8.5 | | 29 | 2 | 45.3 | K | 9.3 | | 46 | 1 | 33.0 | | 7.5 | | 59 | 9 | 1.8 | L | 9.4 | | 16 | 2 | 9.0 | |
| 9.0 | | 24 | 8 | 40.7 | | 9.4 | | 35 | 0 | 4.5 | | 8.5 | | 55 | 2 | 15.2 | | 9.0 | 36 | 8 | 6 | 22.6 | | 9.0 | | 18 | 0 | 36.2 | |
| 9.5 | | 37 | 0 | 14.0 | | 9.5 | | 43 | 7 | 37.9 | B | 9.4 | 27 | 17 | 2 | 24.6 | | 8.3 | | 14 | 0 | 13.7 | K | 9.0 | | 22 | 9 | 47.3 | |
| 9.4 | | 41 | 3 | 5.8 | | 8.6 | 19 | 15 | 3 | 17.6 | K | 9.5 | | 20 | 3 | 42.6 | | 8.9 | | 18 | 0 | 49.8 | | 7.5 | | 29 | 6 | 1.7 | Lb |
| 8.9 | | 55 | 9 | 10.7 | | 9.5 | | 16 | 0 | 54.7 | | 8.5 | | 39 | 2 | 29.8 | K | 8.9 | | 19 | 7 | 59.4 | | 9.5 | | 39 | 3 | 42.9 | |
| 7.5 | 11 | 4 | 6 | 49.9 | B | 8.7 | | 26 | 1 | 30.4 | Kb | 9.3 | | 50 | 0 | 47.1 | | 8.7 | | 36 | 7 | 37.4 | K | 9.3 | | 56 | 4 | 50.6 | |
| 9.5 | | 5 | 2 | 1.7 | | 8.2 | | 28 | 4 | 46.3 | B | 9.3 | | 56 | 5 | 23.4 | | 9.0 | | 40 | 2 | 16.4 | | 8.7 | 44 | 10 | 8 | 7.4 | |
| 9.0 | | 7 | 0 | 55.8 | | 9.5 | | 35 | 8 | 54.5 | | 9.5 | 28 | 6 | 4 | 51.6 | | 9.1 | | 55 | 2 | 24.6 | | 8.5 | | 17 | 0 | 47.9 | K |
| 7.4 | | 8 | 7 | 1.2 | K | 9.5 | | 54 | 0 | 3.6 | | 9.5 | | 28 | 1 | 59.6 | B | 9.5 | 37 | 3 | 0 | 24.6 | | 9.1 | | 18 | 9 | 52 8 | |
| 7.5 | | 31 | 0 | 30.5 | K | 9.3 | | 56 | 0 | 25.6 | | 9.4 | | 55 | 0 | 10.5 | | 9.4 | | 3 | 2 | 10.2 | B | 9.3 | | 35 | 1 | 21.2 | |
| 9.5 | | 32 | 7 | 59.5 | | 9.4 | | 57 | 4 | 40.5 | | 9.5 | 29 | 8 | 2 | 25.6 | | 8.5 | | 4 | 2 | 51.8 | K | 9.3 | | 38 | 6 | 37.3 | |
| 8.5 | | 41 | 3 | 36.4 | K | 9.4 | 20 | 5 | 6 | 26.0 | | 9.5 | | 11 | 2 | 20.4 | | 9.1 | | 17 | 8 | 24.1 | | 9.5 | 45 | 10 | 9 | 4.0 | |
| 9.5 | | 54 | 9 | 22.2 | B | 9.5 | | 6 | 9 | 18.2 | | 9.1 | | 11 | 3 | 57.6 | K | 8.7 | | 25 | 3 | 14.5 | K | 8.2 | | 11 | 2 | 23.1 | K |
| 9.5 | 12 | 6 | 0 | 10.7 | | 9.0 | | 14 | 0 | 57.0 | | 9.3 | | 14 | 2 | 32.5 | K | 8.5 | | 38 | 1 | 13.3 | K | 9.1 | | 13 | 0 | 40.4 | b |
| 9.4 | | 12 | 5 | 54.9 | | 7.8 | | 27 | 8 | 20.7 | L | 8.7 | | 36 | 2 | 38.7 | K | 9.4 | | 38 | 1 | 59.3 | | 9.2 | | 13 | 7 | 21.4 | K |
| 8.5 | | 12 | 8 | 58.7 | K | 8.8 | | 29 | 2 | 51.8 | K | 9.3 | | 39 | 0 | 12.3 | | var | | 43 | 2 | 3.6 | Kb | 9.5 | | 19 | 2 | 8.6 | |
| 9.0 | | 26 | 6 | 7.0 | B | 8.5 | | 37 | 7 | 19.2 | | 9.2 | | 40 | 8 | 16.9 | B | 9.2 | | 53 | 0 | 37.4 | | 9.4 | | 24 | 8 | 35.9 | B |
| 9.5 | | 27 | 7 | 4.5 | | 8.7 | | 39 | 4 | 50.6 | K | 9.5 | | 45 | 7 | 3.7 | | 9.5 | | 55 | 0 | 50.0 | | 9.2 | | 28 | 6 | 15.0 | B |
| 9.5 | | 28 | 5 | 49.7 | | 9.3 | | 42 | 9 | 6.2 | B | 9.3 | | 48 | 0 | 51.6 | | 9.0 | | 55 | 2 | 3.8 | K | 9.2 | | 31 | 4 | 20.2 | |
| 9.5 | | 33 | 2 | 45.5 | | 8.3 | | 49 | 2 | 42.9 | Kb | 9.3 | 30 | 3 | 0 | 15.5 | | 9.5 | 38 | 9 | 6 | 46.0 | | 9.5 | | 46 | 9 | 50.4 | |
| 8.0 | | 58 | 9 | 48.2 | B | 8.2 | | 59 | 2 | 12.8 | K | 8.0 | | 5 | 6 | 59.1 | K | 9.5 | | 16 | 7 | 27.5 | | 9.3 | | 52 | 2 | 14.8 | |
| 9.5 | 13 | 11 | 2 | 14.5 | | 9.0 | | 59 | 7 | 37.7 | | 9.0 | | 7 | 8 | 23.6 | | 8.7 | | 32 | 1 | 1.0 | K | 9.3 | 46 | 8 | 8 | 20.7 | |
| | | + | | + | | | | + | | + | | | | + | | + | | | | + | | + | | | | + | | + | |
| 10pr. | | 22.65 | | 1.78 | | 10pr. | | 22.86 | | 1.89 | | 10pr. | | 23.06 | | 1.98 | | 10pr. | | 23.30 | | 2.09 | | 10pr. | | 23.49 | | 2.18 | |

| 4031ᵃ | | | |
|---|---|---|---|
| 9.0 | 8 | 54.2 | 29.6 |
| 4033ᵃ | | | |
| 9.2 | 9 | 1.2 | 35.5 |

| 4301—4360 | | | | 4361—4420 | | | | 4421—4480 | | | | 4481—4540 | | | | 4541—4600 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵃ | | +35° | | 20ᵃ—21ᵃ | | +35° | | 21ᵃ | | +35° | | 21ᵃ | | +35° | | 21ᵃ | | +35° |
| m | | ′ | ″ | | | ′ | ″ | | m | ′ | ″ | | m | ′ | ″ | | m | ′ | ″ | |
| 9.4 | 46 | 31.1 | 21.2 | | 8.8 | 55 | 44.3 | 36.2 | R | 8.0 | 4 | 21.8 | 52.4 | K | 9.5 | 13 | 50.1 | 11.9 | | 9.5 | 23 | 2.2 | 23.7 | |
| 8.4 | | 31.2 | 11.6 | L | 9.5 | | 50.7 | 56.3 | | 8.7 | | 36.5 | 45.0 | | 9.0 | 14 | 5.5 | 20.3 | | 9.1 | | 14.1 | 57.6 | |
| 9.4 | | 52.7 | 9.1 | | 9.5 | | 56.7 | 9.2 | | 9.4 | | 55.4 | 40.8 | | 9.5 | | 12.7 | 5.2 | | 9.5 | | 38.6 | 47.8 | |
| 9.5 | | 59.1 | 37.8 | | 9.0 | 56 | 2.4 | 55.8 | | 9.5 | 5 | 6.7 | 8.8 | | 9.2 | | 15.4 | 38.1 | | 9.5 | | 46.5 | 41.9 | |
| 9.3 | 47 | 2.2 | 46.2 | | 9.5 | | 11.0 | 22.8 | | 9.2 | | 6.8 | 5.5 | | 8.3 | | 20.2 | 26.3 | K | 7.5 | | 53.8 | 32.7 | L |
| 9.2 | | 8.8 | 13.3 | | 9.5 | | 37.9 | 11.2 | | 6.5 | | 14.1 | 42.5 | L | 8.5 | | 21.6 | 41.9 | | 9.0 | 24 | 4.7 | 8.5 | |
| 9.5 | | 19.1 | 5.4 | | 9.4 | | 51.5 | 51.7 | | 9.3 | | 35.6 | 46.7 | | 9.4 | | 24.8 | 53.6 | | 9.1 | | 6.8 | 13.4 | |
| 9.4 | | 31.7 | 53.6 | | 8.8 | | 54.1 | 28.0 | K | 9.0 | | 45.2 | 36.7 | | 9.3 | | 32.7 | 48.4 | | 9.4 | | 26.3 | 42.5 | |
| 9.3 | | 43.9 | 34.0 | *a* | 9.3 | 57 | 4.8 | 19.2 | B | 9.5 | | 51.7 | 15.8 | | 8.4 | | 41.0 | 52.3 | K | 9.5 | | 39.3 | 5.0 | |
| 8.9 | | 55.0 | 32.5 | | 9.4 | | 5.7 | 13.1 | | 9.5 | 6 | 5.8 | 10.1 | | 8.5 | | 41.2 | 56.6 | B | 9.4 | | 42.0 | 1.3 | |
| 8.0 | | 59.8 | 35.5 | Lb | 9.4 | | 7.0 | 4.1 | *B* | 7.3 | | 6.7 | 2.9 | Kb | 9.3 | | 41.4 | 55.5 | *a* | 9.4 | | 42.1 | 24.0 | |
| 9.4 | 48 | 28.3 | 8.4 | | 9.4 | | 24.2 | 24.6 | | 8.5 | | 18.3 | 33.7 | | 9.3 | | 49.1 | 4.0 | *a*B | 9.0 | | 59.0 | 15.4 | |
| 9.5 | | 45.4 | 42.4 | | 9.4 | | 29.8 | 46.1 | | 9.5 | | 49.0 | 55.7 | | 9.1 | | 54.0 | 22.8 | | 9.2 | 25 | 0.9 | 36.1 | |
| 9.5 | | 55.8 | 7.0 | | 9.0 | | 41.1 | 54.0 | | 9.4 | | 55.7 | 31.2 | | 9.5 | 15 | 10.9 | 22.8 | | 9.5 | | 1.7 | 1.8 | |
| 9.5 | | 56.1 | 15.4 | | 9.1 | | 42.2 | 17.0 | | 6.8 | 7 | 1.0 | 12.2 | K | 9.5 | | 14.2 | 6.1 | | 7.2 | | 14.8 | 14.1 | K |
| 9.5 | | 57.0 | 29.6 | | 9.2 | | 48.6 | 9.0 | *a*B | 9.4 | | 3.0 | 59.0 | | 8.7 | | 27.4 | 7.5 | K | 9.5 | | 26.2 | 29.2 | |
| 9.5 | 49 | 14.9 | 2.7 | | 9.1 | | 49.6 | 3.0 | *B* | 9.1 | | 7.4 | 31.2 | *b* | 8.9 | | 53.9 | 10.4 | | 9.4 | | 35.8 | 2.0 | |
| 9.5 | | 35.5 | 1.9 | | 9.5 | | 53.0 | 55.7 | | 9.5 | | 16.6 | 43.5 | | 9.5 | | 55.6 | 47.4 | | 9.3 | | 54.0 | 39.0 | |
| 9.5 | | 40.1 | 24.8 | | 9.2 | | 55.1 | 42.1 | B | 9.5 | | 23.0 | 27.0 | | 9.0 | 16 | 17.0 | 29.6 | | 9.3 | 26 | 9.7 | 58.1 | |
| 9.5 | | 40.6 | 33.2 | | 8.7 | 58 | 9.7 | 47.8 | | 8.8 | | 23.7 | 49.4 | | 9.2 | | 21.4 | 34.7 | B | 8.5 | | 39.0 | 26.5 | K |
| 9.0 | | 45.6 | 20.2 | B | 9.5 | | 19.4 | 2.1 | | 9.4 | | 24.3 | 18.0 | | 9.5 | | 21.7 | 3.4 | | 8.2 | | 44.8 | 7.7 | Lb |
| 9.5 | | 56.2 | 6.9 | *a*B | *8.8 | | 24.2 | 12.0 | | 9.5 | | 41.2 | 22.5 | | 9.3 | | 40.0 | 58.6 | | 8.5 | | 48.6 | 41.0 | |
| 9.5 | 50 | 10.5 | 9.1 | *a* | 9.5 | | 30.3 | 59.2 | | 9.2 | | 54.1 | 19.0 | | 8.4 | 17 | 7.5 | 45.2 | | 9.1 | | 52.7 | 50.4 | |
| 9.5 | | 13.0 | 6.9 | *a*B | 8.6 | | 32.1 | 34.5 | B | 9.5 | 8 | 1.4 | 50.2 | | 9.5 | | 9.1 | 25.7 | | 8.8 | | 53.4 | 55.7 | |
| 9.5 | | 15.2 | 43.4 | | 9.5 | | 32.8 | 54.3 | | 9.5 | | 20.7 | 4.3 | | 9.0 | | 24.8 | 34.6 | | 9.5 | 27 | 12.7 | 54.3 | |
| 9.3 | | 16.9 | 12.8 | B | 9.5 | | 43.3 | 0.6 | | 9.4 | | 27.7 | 46.3 | | 9.1 | | 26.0 | 15.3 | *b* | 9.2 | | 26.0 | 10.7 | |
| 9.5 | | 19.5 | 7.9 | | 8.9 | | 57.2 | 44.4 | | 9.1 | | 35.5 | 43.1 | | 9.5 | | 35.0 | 15.4 | | 9.4 | | 33.2 | 26.0 | |
| 9.3 | | 26.2 | 30.5 | | 9.3 | 59 | 3.0 | 52.1 | B | 9.2 | 9 | 15.0 | 16.9 | | 9.4 | | 42.2 | 42.6 | | 9.4 | | 36.7 | 57.1 | *a* |
| 9.5 | | 28.0 | 56.6 | | 8.9 | | 23.7 | 0.1 | K | 9.5 | | 15.9 | 5.8 | | 9.2 | 18 | 16.1 | 17.5 | | 9.1 | | 51.5 | 39.3 | |
| 9.0 | | 28.9 | 4.8 | Kb | 8.5 | | 23.7 | 11.2 | K | 9.0 | | 24.6 | 40.4 | R | 8.8 | | 19.6 | 48.2 | | 9.4 | | 59.5 | 26.4 | B |
| 9.5 | | 32.2 | 8.9 | | 9.2 | | 39.2 | 14.2 | | 9.4 | | 46.8 | 58.5 | | 9.2 | | 25.0 | 52.8 | | 9.5 | 28 | 5.0 | 24.4 | |
| 7.6 | | 41.1 | 49.7 | K | 9.2 | | 50.4 | 46.4 | B | 8.9 | | 50.7 | 3.1 | R | 9.5 | | 28.7 | 55.6 | | 9.1 | | 7.7 | 9.2 | |
| 9.1 | | 56.0 | 47.0 | | 9.5 | | 50.7 | 27.5 | | 9.5 | | 58.8 | 12.3 | | 9.3 | | 32.7 | 54.2 | | 7.8 | | 14.8 | 7.0 | K |
| 8.8 | 51 | 0.9 | 13.2 | | 9.4 | | 53.6 | 5.0 | | 9.4 | 10 | 2.5 | 59.5 | B | 9.3 | | 33.7 | 55.2 | | 9.5 | | 22.4 | 47.7 | |
| 9.5 | | 29.8 | 27.3 | | 9.5 | 0 | 6.2 | 7.0 | | 9.3 | | 23.6 | 47.8 | | 9.3 | | 33.8 | 52.4 | | 8.3 | | 23.5 | 37.6 | |
| 9.4 | | 35.2 | 59.0 | B | 9.0 | | 19.0 | 50.5 | K | 9.5 | | 29.0 | 29.5 | | 9.0 | | 50.1 | 52.0 | | 8.2 | | 47.8 | 13.6 | K |
| 9.5 | 52 | 1.5 | 50.0 | | 9.5 | | 24.8 | 24.8 | | 7.0 | | 47.4 | 42.6 | L | 9.5 | | 51.1 | 17.6 | | 9.0 | | 51.1 | 25.9 | |
| 9.5 | | 17.2 | 10.4 | | 9.5 | | 24.8 | 48.9 | | 9.5 | | 51.0 | 50.3 | | 9.4 | 19 | 2.0 | 23.8 | | 9.5 | 29 | 3.6 | 25.4 | |
| 9.5 | | 19.3 | 32.3 | | 9.5 | | 35.5 | 7.1 | B | 9.5 | | 51.3 | 32.0 | | 9.4 | | 9.4 | 56.7 | | 8.2 | | 15.5 | 20.2 | K |
| 9.4 | | 25.2 | 45.0 | | 9.5 | | 48.2 | 49.5 | | 9.2 | 11 | 10.4 | 12.2 | | 9.5 | | 11.7 | 32.0 | | 9.4 | | 28.2 | 26.6 | |
| 9.3 | | 37.7 | 20.3 | | 9.5 | 1 | 0.0 | 2.2 | | 8.1 | | 13.2 | 9.9 | B | 8.9 | | 23.1 | 45.5 | | 8.9 | | 34.6 | 49.2 | |
| 9.0 | | 51.0 | 42.5 | | 8.2 | | 8.5 | 40.6 | B | 9.3 | | 18.2 | 28.3 | | 9.2 | | 24.6 | 58.1 | | 9.5 | | 56.2 | 1.5 | |
| 9.2 | 53 | 32.8 | 20.5 | | 9.5 | | 30.1 | 21.5 | | 9.5 | | 23.7 | 3.0 | | 9.4 | | 38.0 | 54.9 | | 9.5 | | 57.7 | 6.0 | |
| 7.7 | | 39.2 | 52.2 | K | 9.5 | | 38.6 | 20.5 | | 9.0 | | 26.9 | 18.1 | | 9.5 | | 53.7 | 45.2 | | 9.5 | 30 | 18.9 | 24.5 | |
| 9.5 | | 50.0 | 25.0 | | 9.5 | | 47.1 | 11.7 | | 8.4 | | 39.9 | 59.1 | K | 8.7 | 20 | 15.9 | 59.3 | K | 9.5 | | 36.5 | 45.0 | |
| 9.1 | 54 | 19.7 | 22.5 | | 9.5 | | 50.9 | 18.9 | | 9.3 | | 53.7 | 48.0 | | 7.9 | | 19.8 | 12.9 | K | 9.5 | 31 | 2.9 | 50.6 | |
| 9.1 | | 21.0 | 15.0 | Bb | 9.2 | | 56.3 | 36.5 | | 9.3 | | 54.0 | 7.5 | | 8.7 | | 27.9 | 50.2 | | 9.4 | | 7.6 | 44.5 | |
| 9.0 | | 21.9 | 53.2 | | 9.5 | 2 | 16.5 | 40.4 | *a* | 8.8 | 12 | 10.8 | 4.5 | | 9.4 | | 39.0 | 43.3 | | 9.5 | | 22.0 | 37.6 | |
| 9.5 | | 23.3 | 11.0 | | 8.9 | | 36.4 | 39.2 | | 8.7 | | 17.1 | 21.5 | | 9.4 | | 39.0 | 40.5 | | 9.5 | | 52.4 | 36.1 | |
| 9.4 | | 25.3 | 11.5 | | 9.5 | | 50.4 | 57.5 | | 9.5 | | 35.2 | 12.9 | | 9.1 | 21 | 0.7 | 7.9 | | 9.4 | | 57.3 | 33.9 | |
| 9.5 | | 52.1 | 45.3 | B | 9.4 | 3 | 0.0 | 57.8 | | 9.5 | | 35.3 | 8.2 | | 9.5 | | 1.5 | 58.6 | | 9.5 | 32 | 6.5 | 42.5 | |
| 9.5 | | 58.0 | 32.9 | | 9.5 | | 13.4 | 17.5 | B | 9.3 | | 43.0 | 17.8 | | 9.5 | | 10.6 | 22.1 | | 9.5 | | 20.6 | 49.9 | |
| 9.5 | 55 | 6.7 | 14.3 | | 9.5 | | 22.8 | 58.2 | | 8.0 | | 50.9 | 59.6 | K | 8.9 | | 17.9 | 50.0 | | 9.3 | | 36.6 | 49.9 | |
| 9.5 | | 10.3 | 44.4 | | 9.2 | | 23.6 | 45.4 | | 9.5 | | 55.0 | 13.3 | | 7.8 | | 29.5 | 37.7 | *B* | 9.5 | | 37.1 | 24.2 | |
| 9.5 | | 12.6 | 37.8 | | 9.5 | | 29.4 | 44.9 | | 9.3 | | 56.7 | 0.4 | | 9.4 | | 53.4 | 58.1 | | 9.1 | | 39.0 | 4.5 | *b* |
| 9.5 | | 13.7 | 5.9 | | 8.9 | | 36.2 | 25.1 | | 9.5 | 13 | 9.5 | 28 8 | | 9.1 | | 55.2 | 25.7 | | 9.2 | | 44.9 | 18.9 | B |
| 6.2 | | 27.2 | 27.9 | K | 9.5 | | 38.2 | 56.7 | | 9.2 | | 15.9 | 10.5 | | 9.2 | 22 | 17.2 | 26.7 | | 9.3 | | 49.6 | 40.8 | |
| 8.9 | | 31.1 | 27.9 | | 9.0 | | 45.3 | 55.9 | | 9.5 | | 15.9 | 41.5 | | 9.3 | | 21.8 | 6.9 | | 9.4 | | 51.4 | 20.4 | *a* |
| 9.2 | | 42.0 | 58.3 | | 8.1 | | 50.9 | 12.9 | K | 9.0 | | 15.9 | 58.3 | B | 8.5 | | 24.3 | 29.6 | | 8.2 | | 53.6 | 43.7 | K |
| 9.1 | | 42.9 | 25.1 | | 9.2 | 4 | 2.2 | 27.7 | | 9.3 | | 36.0 | 17.6 | | 9.5 | | 56.7 | 5.4 | | 8.2 | 33 | 2.8 | 23.4 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 23.71 | 2.27 | | 10pr. | | 23.96 | 2.36 | | 10pr. | | 24.27 | 2.46 | | 10pr. | | 24.54 | 2.54 | | 10pr. | | 24.85 | 2.63 | |

| 4381ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 58 | 20.2 | 34.7 | B |

| 4601—4660 | | | | | 4661—4720 | | | | | 4721—4780 | | | | | 4781—4840 | | | | | 4841—4900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ᵐ | | +35° | | | 21ᵐ—22ᵐ | | +35° | | | 22ᵐ | | +35° | | | 22ᵐ | | +35° | | | 22ᵐ | | +35° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 33 | 25.0 | 11.9 | | 9.2 | 46 | 41.5 | 58.5 | | 9.0 | 4 | 14.4 | 31.7 | | 9.5 | 16 | 0.3 | 11.2 | | 8.6 | 29 | 14.4 | 27.6 | |
| 9.5 | | 54.2 | 25.7 | | 9.5 | | 47.3 | 52.3 | | 9.5 | | 16.3 | 1.0 | | 9.4 | | 7.1 | 37.5 | | 9.1 | | 16.9 | 6.1 | |
| 8.0 | 34 | 9.5 | 46.4 | K | 9.1 | 47 | 6.2 | 48.3 | | 9.5 | | 18.0 | 22.1 | | 9.2 | | 14.7 | 28.1 | | 8.9 | | 29.6 | 44.5 | |
| 9.0 | | 25.9 | 20.8 | | 7.2 | | 11.4 | 27.2 | K | 9.5 | | 30.3 | 49.0 | B | 8.8 | | 16.0 | 47.1 | L | 9.5 | | 47.7 | 59.9 | |
| 9.5 | | 48.5 | 34.0 | B | 9.0 | | 13.5 | 13.8 | | 7.0 | | 51.1 | 33.0 | K | 6.5 | | 25.2 | 56.2 | L | 9.4 | | 54.7 | 6.5 | |
| 9.2 | | 58.1 | 46.9 | B | 9.0 | | 22.3 | 44.1 | | 9.5 | | 51.1 | 27.8 | | 9.4 | | 36.5 | 59.5 | B | 9.5 | 30 | 18.9 | 54.7 | B |
| 9.2 | 35 | 4.3 | 34.5 | | 9.5 | | 23.3 | 4.2 | | 9.5 | 5 | 6.6 | 3.1 | | 9.4 | | 50.4 | 59.8 | | 8.8 | | 40.8 | 23.2 | |
| 9.4 | | 22.4 | 50.7 | | 9.4 | | 24.4 | 26.1 | B | 9.4 | | 18.9 | 28.0 | | 9.2 | 17 | 11.4 | 31.3 | b | 9.2 | | 50.0 | 6.8 | |
| 9.5 | | 37.1 | 32.5 | | 8.8 | | 24.5 | 9.0 | | 9.0 | | 32.7 | 16.6 | K | 9.3 | | 37.1 | 2.6 | | 9.4 | | 57.8 | 6.6 | |
| 9.5 | | 43.1 | 15.0 | | 7.8 | | 51.7 | 53.7 | K | 9.5 | | 33.4 | 20.1 | | 9.5 | 18 | 1.6 | 27.3 | | 8.3 | 31 | 14.0 | 55.2 | K |
| 9.4 | | 52.1 | 8.0 | | 8.8 | | 57.4 | 29.1 | K | 9.5 | 6 | 0.8 | 4.1 | | 9.5 | | 45.3 | 54.5 | | 9.5 | | 47.2 | 48.9 | |
| 9.5 | 36 | 0.4 | 22.6 | | 9.5 | 48 | 37.2 | 44.8 | | 8.9 | | 7.5 | 24.6 | | 9.4 | | 48.0 | 1.2 | | 9.5 | | 49.8 | 20.6 | |
| 9.5 | | 24.8 | 0.5 | | 9.5 | 49 | 1.5 | 44.8 | | 9.4 | | 8.4 | 38.7 | | 9.5 | | 49.0 | 38.2 | | 8.9 | | 56.3 | 9.1 | K |
| 9.1 | | 39.1 | 37.3 | Bb | 9.0 | | 1.8 | 42.0 | | 9.5 | | 19.7 | 39.2 | | 9.4 | | 55.7 | 26.4 | | 9.3 | 32 | 13.7 | 39.6 | |
| 9.5 | | 50.4 | 48.6 | | 5.5 | | 11.4 | 27.9 | K | 9.3 | | 20.1 | 5.2 | | 9.5 | 19 | 5.1 | 55.5 | | 9.0 | | 17.5 | 54.2 | K |
| 8.0 | | 52.9 | 21.0 | K | 9.1 | | 36.2 | 13.2 | | 9.5 | | 27.0 | 33.8 | | 9.1 | | 12.9 | 59.9 | b | 9.4 | | 29.8 | 16.7 | |
| 9.3 | 37 | 0.6 | 43.8 | | 9.1 | | 40.0 | 16.5 | b | 9.3 | | 43.1 | 15.3 | | 9.3 | | 20.7 | 10.3 | | 9.2 | | 45.6 | 23.8 | |
| 9.2 | | 50.0 | 39.0 | | 9.4 | | 48.0 | 42.7 | | 9.3 | | 50.9 | 15.3 | | 9.4 | | 49.6 | 11.6 | | 8.8 | 33 | 11.2 | 26.5 | |
| 9.0 | | 57.1 | 23.5 | | 9.3 | 50 | 28.9 | 18.9 | | 9.4 | | 53.0 | 42.4 | | 9.5 | | 57.4 | 24.9 | | 9.4 | | 12.5 | 55.5 | B |
| 9.5 | 38 | 28.1 | 17.0 | | 8.3 | | 40.4 | 27.6 | K | 8.9 | 7 | 3.0 | 57.0 | K | 9.5 | 20 | 2.3 | 38.5 | | 9.5 | | 14.5 | 58.5 | |
| 8.6 | | 48.1 | 32.6 | K | 9.4 | 51 | 23.4 | 38.0 | B | 9.4 | | 11.3 | 48.8 | | 9.1 | | 15.1 | 55.0 | | 9.5 | | 25.6 | 3.3 | |
| 9.2 | 39 | 14.0 | 56.7 | | 9.5 | | 33.5 | 34.3 | | 9.5 | | 30.4 | 35.5 | | 9.5 | | 37.9 | 54.0 | | 9.3 | | 55.3 | 37.9 | |
| 9.5 | | 28.6 | 27.6 | | 8.3 | 52 | 18.0 | 24.5 | | 9.2 | | 32.5 | 59.9 | | 9.4 | | 39.5 | 39.2 | | 8.8 | | 57.4 | 26.9 | |
| 9.5 | | 30.8 | 58.7 | | 8.0 | | 29.6 | 59.6 | K | 9.1 | | 40.2 | 24.4 | | 9.1 | | 41.7 | 19.9 | b | 6.5 | 34 | 29.3 | 30.6 | B |
| 9.5 | | 35.5 | 42.0 | | 9.4 | | 56.0 | 19.6 | | 9.4 | | 47.7 | 16.2 | | 9.0 | | 46.0 | 14.7 | | 9.1 | 35 | 11.8 | 20.2 | K |
| 6.6 | | 36.4 | 11.6 | L | 9.4 | | 58.0 | 11.5 | | 7.7 | 8 | 24.3 | 26.1 | L | 9.5 | | 54.6 | 54.7 | | 9.4 | | 51.1 | 47.2 | |
| 9.5 | | 42.4 | 58.2 | | 9.5 | 53 | 8.2 | 54.2 | | 9.4 | | 58.5 | 2.7 | | 9.5 | 21 | 7.4 | 8.4 | | 8.5 | 36 | 39.6 | 1.5 | K |
| 9.5 | | 47.7 | 5.6 | | 9.4 | | 27.8 | 35.9 | | 9.3 | 9 | 4.8 | 20.0 | | 9.3 | | 20.8 | 56.7 | | 9.4 | | 43.2 | 59.9 | |
| 8.6 | | 54.3 | 46.0 | | 9.5 | 54 | 1.3 | 48.3 | | 9.4 | | 9.2 | 22.5 | | 9.5 | | 30.0 | 53.5 | | 9.5 | | 54.3 | 39.2 | |
| 9.5 | | 58.9 | 47.8 | | 8.8 | | 40.8 | 48.6 | K | 8.8 | | 13.4 | 42.0 | | 9.5 | | 32.1 | 22.1 | | 9.2 | 37 | 2.5 | 7.3 | |
| 9.5 | 40 | 6.3 | 43.8 | | 8.9 | | 46.9 | 16.5 | K | 9.2 | | 39.3 | 29.6 | | 9.5 | | 51.9 | 36.2 | | 9.3 | | 24.2 | 19.8 | B |
| 9.5 | | 15.0 | 43.1 | | 7.8 | 55 | 4.8 | 44.9 | K | 9.3 | 10 | 6.8 | 54.0 | | 9.5 | 22 | 40.0 | 0.9 | | 9.5 | | 44.7 | 9.6 | |
| 8.7 | | 25.6 | 48.9 | | 9.5 | | 39.6 | 0.2 | | 9.4 | | 31.7 | 59.7 | | 8.8 | | 52.1 | 39.4 | | 8.8 | | 49.1 | 32.1 | Kb |
| 9.5 | | 28.9 | 57.0 | | 9.4 | | 45.8 | 38.0 | | 9.5 | | 36.5 | 1.5 | | 9.4 | | 55.9 | 20.1 | | 8.1 | 38 | 29.3 | 34.8 | K |
| 9.1 | | 29.6 | 15.3 | | 9.3 | | 59.8 | 56.9 | | 9.5 | | 40.6 | 57.5 | | 7.5 | 23 | 7.2 | 12.0 | K | 8.7 | | 34.0 | 10.3 | |
| 8.9 | | 40.1 | 16.0 | | 8.9 | 56 | 36.2 | 56.6 | | 8.7 | 11 | 23.3 | 12.0 | K | 8.9 | | 13.7 | 46.6 | | 9.3 | 39 | 1.0 | 36.3 | a |
| 9.1 | | 46.0 | 28.7 | b | 9.0 | | 37.1 | 41.5 | | 9.3 | | 27.5 | 7.1 | | 8.8 | | 25.5 | 28.3 | | 9.5 | | 3.8 | 54.1 | |
| 9.1 | | 59.0 | 59.9 | | 9.4 | 57 | 3.3 | 50.3 | | 9.5 | | 42.9 | 52.5 | | 8.8 | | 28.6 | 35.8 | | 9.2 | | 5.9 | 35.2 | B |
| 9.5 | 41 | 15.6 | 21.5 | | 8.5 | | 51.3 | 3.2 | K | 9.5 | | 54.6 | 39.4 | | 9.5 | | 39.3 | 56.8 | | 9.2 | 40 | 9.3 | 19.2 | |
| 9.4 | | 35.7 | 22.7 | | 9.3 | 58 | 27.9 | 43.5 | B | 9.1 | | 57.0 | 44.5 | b | 9.4 | 24 | 6.1 | 53.4 | | 9.0 | | 26.8 | 25.0 | B |
| 9.4 | | 46.0 | 26.2 | | 9.0 | | 36.2 | 7.6 | | 9.5 | 12 | 9.8 | 12.5 | | 9.5 | | 13.2 | 54.0 | | 9.3 | | 35.3 | 36.8 | |
| 8.9 | | 59.5 | 46.5 | K | 9.4 | | 42.9 | 26.2 | | 9.4 | | 17.7 | 50.3 | | 8.8 | | 18.6 | 15.9 | K | 9.5 | 41 | 17.5 | 1.8 | |
| 6.7 | 42 | 2.1 | 54.5 | K | 7.3 | 59 | 18.8 | 42.1 | K | 9.5 | | 45.0 | 17.6 | | 9.5 | | 26.5 | 3.5 | | 9.2 | | 24.5 | 20.6 | |
| 9.5 | | 9.7 | 0.8 | | 8.5 | | 22.9 | 11.5 | K | 9.5 | | 53.1 | 9.0 | | 9.5 | | 39.4 | 52.4 | | 9.0 | | 45.9 | 40.6 | |
| 9.1 | 43 | 0.4 | 33.8 | | 9.5 | | 27.7 | 56.6 | B | 9.5 | 13 | 5.2 | 51.5 | | 8.8 | | 43.9 | 10.6 | K | 9.5 | 42 | 2.1 | 38.6 | |
| 9.5 | | 12.3 | 56.8 | | 9.2 | | 47.5 | 9.0 | K | 9.3 | | 8.1 | 16.2 | | 9.4 | | 51.8 | 35.2 | | 9.5 | | 6.2 | 55.1 | |
| 8.0 | | 27.6 | 26.6 | K | 9.2 | | 54.7 | 4.0 | | 9.4 | | 12.9 | 17.7 | | 9.5 | | 57.5 | 57.5 | | 9.5 | | 13.8 | 16.1 | |
| 9.4 | | 34.0 | 9.6 | | 9.5 | | 54.9 | 33.9 | | 8.2 | | 59.1 | 34.8 | K | 9.5 | 25 | 18.0 | 49.0 | | 9.0 | | 16.9 | 7.3 | |
| 9.5 | | 42.0 | 10.8 | | 9.5 | | 58.7 | 56.4 | | 9.5 | 14 | 1.3 | 6.4 | | 9.4 | | 29.9 | 0.7 | | 9.5 | | 46.3 | 43.7 | |
| 9.5 | | 42.5 | 5.3 | | 9.4 | | 59.5 | 48.0 | | 9.4 | | 16.5 | 23.4 | | 9.3 | | 37.5 | 58.6 | | 9.3 | | 52.5 | 35.8 | |
| 9.5 | | 58.3 | 44.2 | | 9.4 | 0 | 31.7 | 53.4 | | 9.4 | | 17.5 | 48.1 | | 9.2 | | 39.2 | 6.3 | K | 8.5 | | 59.4 | 46.1 | |
| 9.4 | 44 | 0.7 | 0.2 | | 7.0 | | 45.3 | 23.9 | K | 9.4 | | 44.2 | 0.3 | | 9.5 | | 42.0 | 0.4 | | 9.2 | 43 | 17.9 | 3.3 | |
| 9.5 | | 11.2 | 5.6 | | 9.4 | 1 | 17.8 | 49.7 | | 8.7 | | 50.0 | 42.4 | | 9.3 | | 51.5 | 6.6 | Kb | 7.8 | | 34.0 | 56.0 | K |
| 9.5 | | 15.3 | 8.9 | | 9.5 | | 29.5 | 15.2 | | 9.5 | | 56.3 | 19.7 | | 9.5 | | 58.1 | 36.6 | | 9.5 | | 40.2 | 12.4 | |
| 9.3 | | 25.5 | 7.6 | aB | 9.5 | | 51.0 | 16.3 | | 9.4 | 15 | 24.7 | 9.0 | | 9.4 | 26 | 18.6 | 27.0 | | 9.5 | | 45.7 | 19.4 | |
| 9.3 | | 32.3 | 40.7 | | 9.1 | 2 | 18.2 | 9.9 | | 8.3 | | 28.3 | 43.8 | L | 8.7 | | 57.7 | 56.6 | | 9.4 | | 50.9 | 43.1 | |
| 9.5 | | 42.8 | 54.0 | | 9.5 | | 26.3 | 55.6 | | 9.4 | | 33.6 | 49.4 | B | 8.4 | 27 | 17.4 | 7.7 | K | 9.0 | | 57.3 | 23.4 | |
| 9.0 | 45 | 3.2 | 26.9 | b | 8.7 | 3 | 12.6 | 43.8 | K | 9.5 | | 42.2 | 26.3 | | 8.9 | | 43.3 | 13.5 | | 9.3 | 44 | 7.0 | 13.7 | B |
| 9.3 | | 52.5 | 2.6 | | *9.5 | | 27.5 | 56.6 | | 9.5 | | 52.4 | 48.9 | | 9.5 | 28 | 32.2 | 23.4 | | 9.5 | | 14.3 | 19.5 | |
| 9.4 | 46 | 3.3 | 44.5 | | 9.5 | 4 | 13.2 | 27.9 | | 9.5 | | 57.8 | 12.7 | B | 8.3 | 29 | 5.6 | 36.8 | | 8.0 | | 47.8 | 44.7 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 25.25 | 2.74 | | 10pr. | | 25.76 | 2.85 | | 10pr. | | 26.29 | 2.96 | | 10pr. | | 26.75 | 3.04 | | 10pr. | | 27.35 | 3.13 | |

| 4719ᵐ | | | |
|---|---|---|---|
| 9.5 | 3 | 31.3 | 53.8 |

4901—4955

| m | 22ᵘ | +35° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 45 3.9 | 34.4 | |
| 9.5 | 56.3 | 46.8 | |
| 9.3 | 46 7.8 | 28.1 | |
| 9.2 | 24.8 | 5.2 | Kb |
| 9.5 | 43.9 | 33.7 | |
| 8.8 | 47 16.3 | 47.5 | |
| 9.4 | 55.9 | 24.1 | |
| 7.3 | 58.3 | 12.7 | L |
| 8.2 | 48 14.6 | 15.4 | K |
| 9.5 | 15.2 | 59.7 | |
| 9.1 | 17.5 | 13.6 | B |
| 8.0 | 41.2 | 23.4 | L |
| 9.2 | 42.3 | 53.8 | |
| 9.3 | 45.1 | 11.3 | |
| 9.4 | 46.4 | 42.7 | |
| 9.1 | 55.9 | 34.4 | B |
| 6.0 | 59.7 | 35.7 | K |
| 8.6 | 49 8.6 | 4.3 | K |
| 9.2 | 8.9 | 8.3 | B |
| 9.5 | 32.1 | 24.7 | |
| 9.5 | 32.5 | 55.4 | |
| 9.5 | 39.2 | 31.4 | |
| 9.5 | 56.2 | 19.9 | |
| 7.8 | 59.4 | 14.0 | K |
| 9.5 | 50 12.1 | 2.8 | |
| 7.8 | 15.6 | 42.9 | K |
| 9.5 | 29.7 | 21.6 | |
| 8.7 | 51 22.4 | 27.7 | L |
| 9.5 | 29.0 | 6.9 | |
| 7.8 | 29.6 | 25.0 | L |
| 9.4 | 41.5 | 32.3 | B |
| 9.2 | 52 3.4 | 55.7 | |
| 9.2 | 3.9 | 7.5 | |
| 9.2 | 7.5 | 31.0 | |
| 9.5 | 52.3 | 55.0 | |
| 8.8 | 53 1.9 | 18.1 | K |
| 8.8 | 2.2 | 25.0 | |
| 9.5 | 14.6 | 31.8 | |
| 8.0 | 27.5 | 8.2 | B |
| 9.4 | 40.6 | 9.0 | B |
| 8.5 | 54.9 | 20.2 | K |
| 9.1 | 54 2.8 | 2.4 | K |
| 9.5 | 43.2 | 24.3 | |
| 9.5 | 55 4.1 | 55.7 | |
| 9.0 | 9.7 | 27.8 | B |
| 9.3 | 11.2 | 2.4 | |
| 9.1 | 56 38.4 | 1.0 | |
| 8.5 | 49.6 | 37.3 | |
| 8.9 | 50.7 | 13.5 | B |
| 9.0 | 52.0 | 14.4 | K |
| 9.1 | 57 21.1 | 26.0 | a |
| 9.4 | 35.3 | 1.6 | |
| 9.3 | 43.4 | 37.1 | |
| 9.5 | 59.2 | 21.6 | |
| 9.5 | 58 6.5 | 4.5 | |
| | + | + | |
| 10 pr. | 27.91 | 3.20 | |

4956—5010

| m | 22ᵘ—23ᵘ | +35° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 58 43.7 | 42.2 | |
| 9.3 | 56.7 | 27.4 | Kb |
| 8.5 | 0 39.2 | 32.3 | Kb |
| 9.4 | 44.0 | 5.9 | |
| 8.5 | 1 3.9 | 51.1 | K |
| 9.3 | 43.0 | 47.4 | |
| 9.5 | 47.8 | 34.0 | |
| 9.5 | 2 8.1 | 5.4 | |
| 9.1 | 17.5 | 53.3 | |
| 9.2 | 48.4 | 53.6 | |
| 9.5 | 59.9 | 43.3 | |
| 9.5 | 3 16.7 | 6.1 | |
| 9.4 | 17.3 | 18.3 | |
| 9.4 | 57.9 | 6.8 | |
| 9.5 | 4 8.8 | 33.5 | |
| 9.4 | 39.1 | 1.7 | |
| 9.3 | 46.5 | 53.0 | B |
| 9.5 | 5 2.6 | 38.3 | B |
| 9.0 | 4.1 | 8.6 | |
| 9.3 | 14.8 | 59.6 | K |
| 9.3 | 15.7 | 31.8 | |
| 9.5 | 18.3 | 12.3 | |
| 9.5 | 23.2 | 8.3 | |
| 9.4 | 39.2 | 53.6 | |
| 9.2 | 49.4 | 1.9 | |
| 9.5 | 6 21.6 | 8.0 | |
| 9.4 | 28.8 | 2.3 | |
| 8.9 | 42.8 | 13.6 | B |
| 8.8 | 7 5.7 | 46.7 | K |
| 9.5 | 39.8 | 36.0 | |
| 8.5 | 8 0.7 | 7.8 | |
| 9.5 | 7.1 | 7.3 | |
| 8.8 | 26.4 | 30.6 | Kb |
| 9.3 | 30.5 | 10.6 | |
| 9.4 | 9 27.2 | 8.5 | |
| 8.9 | 56.5 | 57.2 | K |
| 8.9 | 10 23.2 | 35.4 | |
| 9.0 | 26.5 | 39.1 | |
| 9.3 | 31.2 | 20.5 | |
| 9.1 | 35.1 | 12.9 | Bb |
| 9.5 | 38.8 | 6.7 | |
| 9.4 | 11 17.9 | 18.2 | |
| 9.2 | 29.1 | 12.2 | a |
| 8.8 | 30.0 | 32.9 | |
| 9.3 | 39.1 | 33.6 | |
| 7.3 | 43.8 | 17.5 | K |
| 8.9 | 53.9 | 40.4 | |
| 9.3 | 58.5 | 53.9 | |
| 9.5 | 12 2.6 | 41.5 | |
| 9.5 | 15.9 | 26.7 | |
| 9.0 | 22.2 | 32.3 | K |
| 6.7 | 24.1 | 2.2 | K |
| 9.4 | 28.2 | 6.5 | |
| 8.5 | 13 1.6 | 14.3 | |
| 9.4 | 37.8 | 32.9 | |
| | + | + | |
| 10 pr. | 28.52 | 3.25 | |

5011—5064

| m | 23ᵘ | +35° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 13 51.3 | 45.6 | B |
| 6.7 | 14 22.7 | 42.4 | K |
| 9.4 | 30.8 | 13.0 | |
| 9.0 | 34.1 | 3.7 | |
| 8.4 | 45.4 | 47.7 | K |
| 9.5 | 55.7 | 24.1 | |
| 9.5 | 15 2.2 | 19.0 | |
| 9.5 | 14.1 | 51.2 | |
| 9.2 | 27.8 | 6.0 | |
| 8.0 | 29.9 | 40.9 | Kb |
| 9.5 | 48.1 | 2.8 | |
| 9.5 | 57.7 | 32.0 | |
| 9.4 | 16 35.2 | 39.2 | B |
| 6.5 | 17 41.2 | 34.0 | K |
| 7.0 | 18 19.1 | 22.4 | K |
| 9.5 | 31.7 | 2.8 | |
| 9.5 | 19 22.2 | 21.8 | |
| 8.0 | 45.6 | 18.3 | K |
| 9.5 | 48.6 | 46.6 | B |
| 8.4 | 20 8.7 | 10.7 | K |
| 9.5 | 19.9 | 11.8 | |
| 9.5 | 57.1 | 30.3 | |
| 9.5 | 21 9.7 | 26.5 | |
| 8.9 | 15.4 | 58.5 | Kb |
| 9.5 | 36.1 | 4.2 | |
| 9.3 | 45.0 | 15.9 | |
| 9.5 | 59.6 | 20.7 | |
| 8.7 | 59.7 | 0.0 | Kb |
| 8.9 | 23 0.4 | 48.8 | K |
| 9.1 | 7.2 | 31.4 | Kb |
| 9.3 | 20.2 | 36.5 | |
| 9.3 | 53.6 | 53.4 | |
| 9.3 | 24 34.1 | 22.8 | |
| 8.6 | 51.7 | 15.5 | K |
| 9.0 | 25 6.2 | 11.8 | B |
| 9.5 | 9.6 | 17.6 | |
| 8.2 | 15.6 | 12.5 | B |
| 9.5 | 50.4 | 25.5 | |
| 9.4 | 26 1.2 | 3.2 | |
| 9.5 | 12.9 | 41.6 | |
| 9.5 | 49.8 | 42.0 | |
| 9.4 | 27 18.6 | 18.2 | |
| 9.4 | 34.7 | 20.2 | B |
| 7.1 | 36.1 | 23.7 | K |
| 9.4 | 59.2 | 17.6 | |
| 9.2 | 28 16.3 | 56.6 | Kb |
| 8.9 | 43.6 | 46.3 | K |
| 9.5 | 29 8.5 | 2.8 | |
| 9.5 | 25.2 | 34.0 | |
| 9.5 | 31.9 | 2.5 | |
| 8.9 | 33.7 | 25.8 | K |
| 9.3 | 52.0 | 36.1 | B |
| 9.3 | 30 3.2 | 13.8 | |
| 9.6 | 7.1 | 59.9 | |
| | + | + | |
| 10 pr. | 29.14 | 3.29 | |

5065—5118

| m | 23ᵘ | +35° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.1 | 30 8.0 | 33.6 | |
| 7.0 | 17.0 | 0.3 | K |
| 9.5 | 42.4 | 47.1 | |
| 9.3 | 31 20.2 | 32.0 | K |
| 9.4 | 37.8 | 47.2 | B |
| 9.3 | 40.6 | 24.7 | B |
| 9.5 | 32 25.2 | 12.4 | |
| 9.5 | 33 7.0 | 40.6 | |
| 8.8 | 11.1 | 31.0 | |
| 6.0 | 27.0 | 54.3 | K |
| 9.3 | 44.2 | 21.2 | B |
| 7.8 | 47.9 | 10.2 | Kb |
| 9.5 | 34 14.2 | 45.0 | |
| 9.3 | 15.7 | 23.1 | |
| 7.9 | 29.2 | 30.6 | K |
| 8.9 | 35.6 | 58.7 | K |
| 9.4 | 35 5.6 | 42.4 | |
| 9.0 | 29.2 | 17.9 | K |
| 9.0 | 36 53.1 | 35.4 | |
| 9.2 | 56.4 | 59.8 | |
| 9.4 | 37 1.2 | 53.2 | |
| 7.5 | 1.4 | 32.3 | Lb |
| 9.5 | 17.1 | 56.5 | |
| 9.5 | 27.3 | 53.9 | |
| 9.4 | 27.4 | 45.1 | |
| 8.4 | 31.7 | 31.0 | L |
| 9.2 | 57.1 | 19.3 | |
| 9.4 | 38 4.2 | 22.0 | |
| 9.3 | 19.9 | 24.7 | |
| 8.8 | 39 21.2 | 18.6 | K |
| 9.5 | 35.9 | 4.9 | |
| 9.5 | 43.1 | 59.7 | |
| 9.5 | 40 10.1 | 53.0 | |
| 9.0 | 16.3 | 28.2 | K |
| 9.5 | 25.4 | 25.1 | |
| 9.3 | 26.1 | 18.6 | K |
| 9.5 | 40.7 | 48.1 | |
| 8.5 | 48.8 | 8.8 | K |
| 9.4 | 41 7.7 | 30.5 | |
| 8.5 | 11.9 | 8.0 | |
| 9.4 | 13.7 | 58.2 | |
| 8.4 | 14.6 | 19.0 | K |
| 7.0 | 19.1 | 28.1 | L |
| 9.2 | 28.2 | 17.0 | K |
| 8.5 | 45.7 | 19.4 | K |
| 5.9 | 42 23.9 | 37.6 | K |
| 9.4 | 38.8 | 52.8 | |
| 9.5 | 43 10.2 | 24.8 | |
| 9.5 | 26.1 | 22.7 | |
| 9.0 | 26.9 | 49.5 | K |
| 9.4 | 33.3 | 9.3 | |
| 9.3 | 47.7 | 18.3 | K |
| 9.5 | 51.2 | 21.0 | |
| 8.7 | 54.8 | 12.7 | K |
| | + | + | |
| 10 pr. | 29.81 | 3.33 | |

5119—5172

| m | 23ᵘ | +35° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 44 11.6 | 55.6 | |
| 8.9 | 13.3 | 23.5 | K |
| 9.1 | 13.6 | 47.7 | K |
| 9.1 | 28.3 | 40.1 | B |
| 9.5 | 48.2 | 54.7 | |
| 7.8 | 49.5 | 32.0 | K |
| 9.5 | 45 11.7 | 11.8 | |
| 8.9 | 37.8 | 57.6 | K |
| 9.4 | 56.9 | 57.3 | |
| 9.5 | 47 17.4 | 55.9 | |
| 9.5 | 35.6 | 54.4 | |
| 8.9 | 56.1 | 51.1 | |
| 9.3 | 59.6 | 7.8 | aB |
| 9.5 | 48 4.3 | 16.9 | |
| 8.1 | 4.7 | 9.0 | Kb |
| 9.5 | 45.6 | 37.2 | |
| 8.5 | 49 15.1 | 25.5 | |
| 9.4 | 42.7 | 30.0 | |
| 9.5 | 58.8 | 24.5 | |
| 9.5 | 50 26.6 | 18.9 | |
| 9.5 | 32.8 | 1.8 | |
| 9.2 | 46.1 | 56.1 | |
| 9.3 | 49.5 | 12.9 | |
| 9.0 | 51 8.5 | 16.9 | B |
| 9.4 | 9.6 | 41.1 | |
| 9.4 | 22.9 | 37.8 | B |
| 8.9 | 58.1 | 33.7 | K |
| 9.5 | 59.6 | 37.1 | |
| 9.4 | 52 12.6 | 45.9 | |
| 9.0 | 19.4 | 47.4 | B |
| 8.5 | 44.7 | 46.1 | K |
| 8.8 | 53 3.1 | 55.7 | K |
| 9.1 | 7.3 | 43.8 | B |
| 8.8 | 11.4 | 51.3 | K |
| 8.0 | 26.5 | 57.8 | L |
| 9.1 | 33.1 | 31.3 | b |
| 9.4 | 41.2 | 17.0 | B |
| 8.5 | 54 25.1 | 32.3 | |
| 9.0 | 28.6 | 20.2 | K |
| 9.0 | 51.6 | 25.3 | |
| 7.0 | 55 20.7 | 1.3 | Kb |
| 9.5 | 29.7 | 27.5 | |
| 8.8 | 32.6 | 11.9 | K |
| 9.5 | 33.1 | 57.4 | |
| 9.4 | 57 37.6 | 18.8 | |
| 7.9 | 45.6 | 29.8 | B |
| 9.3 | 58 2.4 | 51.6 | |
| 9.0 | 16.0 | 54.2 | B |
| 9.5 | 39.8 | 3.2 | |
| 9.3 | 41.2 | 18.1 | |
| 9.5 | 46.1 | 32.9 | |
| 9.3 | 54.6 | 3.8 | K |
| 9.4 | 59 7.1 | 19.8 | |
| 9.4 | 7.8 | 14.0 | |
| | + | + | |
| 10 pr. | 30.38 | 3.34 | |

# Zone +36°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0m | | +36° | | 0m | | +36° | | 0m | | +36° | | 0m | | +36° | | 0m—1m | | +36° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 7.3 | 0 | 14.6 | 22.3 | K | 9.5 | 14 | 44.9 | 58.3 | | 8.8 | 25 | 11.7 | 50.6 | *B* | 9.2 | 38 | 8.8 | 5.4 | K | 7.9 | 49 | 35.1 | 37.3 | L |
| 8.8 | | 35.0 | 27.9 | K | 9.2 | | 55.0 | 26.2 | | 8.2 | | 34.1 | 23.2 | K | 9.3 | | 37.7 | 58.4 | | 9.3 | | 45.9 | 35.1 | |
| 9.5 | 1 | 19.1 | 30.3 | | 9.5 | 15 | 34.8 | 18.3 | | 9.1 | | 35.9 | 42.7 | | 9.3 | | 58.3 | 13.8 | K | 9.2 | | 50.5 | 38.4 | B |
| 8.3 | | 22.7 | 23.4 | K | 9.5 | | 41.5 | 9.9 | | 9.4 | | 55.8 | 22.0 | | 8.7 | 39 | 23.2 | 28.9 | K | 7.3 | 50 | 1.6 | 42.9 | L |
| 9.5 | | 45.4 | 58.9 | | 8.1 | | 54.6 | 37.8 | K | 9.2 | 26 | 19.5 | 26.2 | | 9.3 | | 44.1 | 8.9 | | 9.2 | | 9.4 | 18.7 | K |
| 9.5 | | 54.4 | 53.5 | | 9.5 | | 56.4 | 21.5 | | 9.0 | 27 | 3.7 | 43.0 | | 8.5 | | 47.2 | 50.4 | Kb | 9.3 | | 13.7 | 21.5 | K |
| 9.2 | 2 | 18.6 | 42.7 | | 8.6 | 16 | 7.3 | 5.9 | | 6.6 | | 24.5 | 1.9 | K | 8.6 | 40 | 3.0 | 6.9 | | 9.3 | | 33.6 | 28.5 | |
| 7.5 | 3 | 16.0 | 40.3 | K | 9.3 | | 31.4 | 4.4 | | 9.4 | 28 | 13.9 | 20.4 | | 9.4 | | 49.5 | 18.5 | | 8.7 | | 43.8 | 24.1 | Kb |
| 8.9 | 4 | 22.0 | 13.7 | K | 9.5 | | 46.0 | 29.6 | | 8.8 | | 19.7 | 48.6 | | 9.5 | 41 | 3.5 | 44.7 | | 9.3 | | 58.0 | 25.7 | B |
| 8.5 | | 41.6 | 36.1 | | 8.9 | | 47.1 | 52.3 | | 8.8 | | 22.3 | 53.8 | | 9.3 | | 19.1 | 4.4 | | 8.5 | 51 | 10.2 | 3.1 | |
| 9.4 | 5 | 15.1 | 33.3 | | 9.5 | 17 | 30.2 | 17.8 | | 9.1 | | 27.6 | 49.1 | *a* | 8.9 | | 21.0 | 6.1 | K | 9.0 | | 17.2 | 56.7 | |
| 6.8 | | 18.5 | 53.6 | L | 9.5 | | 41.5 | 35.8 | | 8.9 | | 36.1 | 17.2 | | 9.4 | | 26.2 | 55.5 | | 9.5 | | 23.6 | 6.8 | |
| 7.9 | | 32.6 | 36.5 | L | 9.5 | 18 | 26.3 | 47.5 | | 9.0 | | 44.0 | 36.0 | | 9.0 | 42 | 22.0 | 19.5 | | 8.7 | | 26.2 | 58.9 | K |
| 9.0 | 6 | 18.7 | 2.4 | K | 9.0 | | 31.5 | 49.7 | B | 9.3 | 29 | 2.9 | 43.4 | | 9.1 | | 28.0 | 58.5 | B | 8.7 | | 30.5 | 54.0 | K |
| 9.5 | | 51.5 | 27.9 | | 8.8 | | 39.4 | 30.4 | Kb | 9.4 | | 31.7 | 6.4 | | 9.3 | | 30.7 | 0.5 | | 9.5 | | 51.4 | 6.5 | |
| 9.3 | | 58.3 | 43.8 | | 9.4 | | 42.2 | 37.8 | | 9.5 | | 38.4 | 26.6 | | 9.3 | | 38.1 | 57.4 | | 9.4 | 52 | 26.4 | 33.1 | B |
| 9.1 | 7 | 5.1 | 20.7 | K | 9.2 | 19 | 14.3 | 28.9 | K | 9.5 | | 55.8 | 58.8 | | 9.5 | | 41.7 | 1.6 | | 9.2 | | 52.0 | 18.2 | B |
| 9.5 | 8 | 11.1 | 28.4 | | 9.2 | 20 | 1.5 | 47.7 | | 9.5 | 30 | 18.4 | 47.4 | | 9.5 | 43 | 6.2 | 40.7 | | 9.4 | | 58.3 | 13.2 | |
| 9.4 | | 44.2 | 28.3 | | 9.5 | | 1.7 | 30.1 | | 9.4 | | 18.7 | 57.1 | | 9.5 | | 14.0 | 8.8 | | 9.3 | 53 | 28.4 | 49.0 | |
| 9.5 | | 47.2 | 56.1 | | 9.3 | | 42.2 | 44.2 | | 8.5 | | 25.6 | 49 9 | B | 7.9 | | 25.2 | 14.2 | L | 9.2 | | 49.8 | 36.0 | |
| 9.4 | 9 | 4.2 | 58.5 | | 9.3 | | 48.3 | 46.2 | | 8 5 | | 30.2 | 16.1 | L | 8.9 | | 48.1 | 28.6 | K | 9.1 | 54 | 15.5 | 28.0 | |
| 9.5 | | 14.9 | 1.2 | | 8.0 | | 58.8 | 30.1 | K | 9.2 | | 48.9 | 54.9 | | 9.1 | 44 | 11.3 | 5.1 | | 8.6 | | 20.7 | 24.2 | *L* |
| 9.2 | | 31.1 | 36.0 | | 9.5 | 21 | 6.0 | 47.4 | | 9.5 | | 55.5 | 57.1 | | 9.2 | | 30.4 | 36.2 | | 9.3 | | 55.4 | 28.0 | |
| 8.3 | | 39.4 | 15.5 | | 9.4 | | 10.9 | 11.1 | | 9.4 | | 58.2 | 3.3 | | 9.4 | | 45.2 | 8.8 | | 9.5 | 55 | 9.8 | 58.5 | |
| 8.7 | 10 | 7.1 | 44.2 | | 9.1 | | 11.3 | 28.9 | K | 9.2 | 31 | 13.2 | 30.0 | | 8.6 | | 59.5 | 9.1 | | 7.8 | | 27.5 | 3.6 | K |
| 9.0 | | 15.4 | 16.5 | | 6.3 | | 15.2 | 5.7 | K | 9.5 | 32 | 48.0 | 38.9 | | 9.5 | 45 | 2.1 | 5.4 | | 9.3 | | 51.6 | 57.0 | |
| 9.3 | | 41.2 | 55.8 | | 9.5 | | 28.6 | 32.1 | | 9.5 | | 52.5 | 19.4 | | 8.6 | | 31.2 | 24.4 | K | 8.2 | | 56.9 | 2.6 | Lb |
| 9.4 | 11 | 14.3 | 52.8 | | 9.0 | | 38.1 | 37.8 | | 9.3 | 33 | 17.6 | 40.9 | | 6.5 | | 32.2 | 37.5 | K | 8.8 | 56 | 0.1 | 40.2 | K |
| 8.7 | | 26.5 | 1.7 | K | 8.9 | | 46.4 | 41.0 | | 9.4 | | 45.2 | 26.6 | | 9.3 | 46 | 1.4 | 24.5 | K | 9.3 | | 30.8 | 54.0 | |
| 9.4 | | 37.2 | 53.8 | | 8.7 | 22 | 3.0 | 2.2 | K | 9.5 | 34 | 25.9 | 43.8 | | 9.5 | | 2.8 | 15.9 | | 8.8 | | 52.1 | 2.6 | K |
| 9.5 | | 57.1 | 11.6 | | 9.5 | | 24.3 | 53.0 | | 9.1 | | 41.8 | 58.0 | K | 9.5 | | 14.1 | 4.4 | | 9.4 | | 56.6 | 1.4 | B |
| 7.3 | 12 | 11.4 | 9.4 | K | 9.2 | | 26.2 | 6.4 | | 8.4 | | 43.5 | 25.6 | K | 9.5 | | 32.3 | 3.7 | | 9.5 | | 59.6 | 5.7 | |
| 9.4 | | 42.2 | 52.4 | | 9.4 | | 43.5 | 56.0 | | 9.5 | 35 | 21.1 | 36.3 | | 9.5 | | 52.4 | 14.2 | | 9.2 | 57 | 4.3 | 3.4 | B |
| 9.4 | | 57.1 | 44.7 | | 9.5 | 23 | 41.9 | 0.9 | | 8.0 | 36 | 1.2 | 45.9 | K | 8.7 | 47 | 55.1 | 48.5 | L | 9.4 | 58 | 41.9 | 34.3 | |
| 9.5 | 13 | 19.0 | 8.4 | | 8.7 | | 54.4 | 27.7 | | 9.2 | | 18.5 | 56.1 | | 9.3 | 48 | 0.4 | 32.8 | | 9.1 | 0 | 39.3 | 24.9 | *b* |
| 9.5 | | 41.6 | 33.6 | | 9.5 | 24 | 3.1 | 4.0 | | 9.5 | | 37.1 | 17.1 | *B* | 9.3 | 49 | 4.1 | 11.7 | B | 9.2 | 1 | 44.0 | 17.4 | |
| 8.4 | | 58.7 | 36.8 | | 7.9 | | 6.2 | 9.9 | K | 7.8 | 37 | 18.5 | 35.3 | K | 9.3 | | 10.2 | 4.2 | | 9.2 | 2 | 9.4 | 58.5 | K |
| 9.5 | 14 | 1.8 | 33.3 | | 9.4 | | 17.4 | 30.4 | | 8.8 | | 30.2 | 58.3 | K | 9.4 | | 10.4 | 24.1 | | 9.4 | | 28.5 | 41.8 | B |
| 7.4 | | 38.2 | 57.2 | K | 8.7 | | 40.4 | 56.8 | *B* | 9.4 | | 38.9 | 14.1 | | 9.4 | | 29.5 | 51.2 | | 9.5 | | 44.3 | 46.3 | |
| 9.4 | | 41.4 | 16.4 | | 9.5 | | 55.5 | 33.8 | | 9.1 | 38 | 4.0 | 20.3 | | 8.0 | | 33.1 | 16.8 | K | 9.0 | | 50.7 | 58.3 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *31.10* | *3.34* | | *10 pr.* | | *31.61* | *3.33* | | *10 pr.* | | *32.03* | *3.31* | | *10 pr.* | | *32.59* | *3.28* | | *10 pr.* | | *33.03* | *3.25* | |

**1ˢ—2ˢ** **+36°**

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ˢ | | +36° | | 1ˢ | | +36° | | 1ˢ | | +36° | | 1ˢ—2ˢ | +36° | | | 2ˢ | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | | m | ′ | ″ | ′ | |
| 6.0 | 3 | 2.4 | 57.0 | Kb | 9.1 | 21 | 7.8 | 25.6 | b | 9.4 | 41 | 28.9 | 37.5 | | 9.4 | 50 | 54.1 | 22.5 | | 9.3 | 5 | 39.1 | 36.5 | K |
| 9.4 | | 42.4 | 50.3 | B | 9.2 | | 35.8 | 16.2 | | 9.5 | | 35.1 | 6.2 | B | 9.5 | 51 | 5.0 | 46.2 | | 9.5 | | 49.6 | 9.0 | |
| 9.3 | 4 | 34.2 | 42.8 | B | 9.5 | | 44.7 | 52.4 | | 9.2 | | 35.8 | 37.7 | | 8.1 | | 23.0 | 1.9 | L | 9.5 | 6 | 15.9 | 34.8 | |
| 8.5 | | 38.6 | 13.6 | K | 9.5 | | 53.3 | 49.2 | | 9.5 | | 51.4 | 52.2 | | 8.0 | | 38.5 | 56.0 | K | 9.5 | | 17.2 | 56.4 | |
| 9.0 | | 49.8 | 54.8 | | 9.5 | 22 | 22.0 | 51.9 | | 9.5 | 42 | 20.6 | 2.4 | | 9.3 | | 45.6 | 24.8 | | 9.5 | | 59.0 | 43.6 | |
| 9.5 | | 50.0 | 47.5 | | 9.5 | | 55.4 | 10.4 | | 7.8 | | 30.7 | 50.6 | K | 9.0 | | 48.2 | 11.3 | K | 7.8 | 7 | 11.2 | 5.7 | B |
| 9.5 | 5 | 0.6 | 26.5 | | 9.5 | 23 | 3.8 | 43.6 | | 8.9 | | 49.0 | 3.3 | | 9.5 | 52 | 9.0 | 49.6 | | 8.5 | | 21.8 | 0.8 | L |
| 9.5 | | 13.8 | 0.7 | | 9.5 | | 11.8 | 57.4 | | 8.7 | | 58.0 | 52.4 | B | 9.5 | | 9.9 | 29.4 | | 9.5 | | 35.4 | 36.5 | |
| 8.7 | | 41.5 | 53.7 | L | 8.3 | | 32.0 | 48.0 | K | 9.4 | 43 | 2.3 | 48.2 | B | 9.5 | | 14.8 | 14.6 | | 9.5 | | 43.2 | 58.8 | |
| 9.5 | | 50.1 | 36.9 | | 9.5 | | 37.9 | 1.0 | | 9.4 | | 5.2 | 52.6 | | 9.4 | 53 | 17.0 | 56.7 | B | 8.8 | | 45.8 | 28.7 | |
| 9.4 | 7 | 1.3 | 4.6 | | 9.5 | 24 | 14.0 | 49.5 | | 9.5 | | 43.6 | 27.9 | | 7.9 | | 35.7 | 1.5 | K | 8.6 | | 48.3 | 25.5 | |
| 8.2 | | 19.9 | 58.3 | K | 9.2 | | 19.5 | 29.7 | | 6.8 | | 51.8 | 42.9 | L | 9.4 | | 39.9 | 2.2 | B | 9.5 | 8 | 21.1 | 8 3 | |
| 9.1 | | 32.6 | 25.0 | b | 9.5 | | 45.0 | 9.6 | B | 9.2 | | 54.7 | 38.4 | | 8.9 | | 42.0 | 38.7 | | 8.2 | | 25.4 | 49.1 | S |
| 9.2 | | 54.0 | 19.8 | | 8.8 | | 54.4 | 25.9 | | 9.3 | 44 | 23.5 | 6.4 | | 8.0 | | 52.6 | 48.0 | K | 9.5 | | 47.0 | 16.3 | |
| 9.5 | 8 | 41.5 | 10.8 | | 9.0 | 25 | 15.1 | 7.4 | K | 9.5 | | 27.2 | 52.8 | | 9.5 | 54 | 9.5 | 2.4 | | 9.4 | | 55.3 | 24.8 | |
| 9.2 | 9 | 29.6 | 38.3 | K | 8.9 | | 30.2 | 35.7 | L | 8.8 | | 30.0 | 24.5 | K | 9.4 | | 30.9 | 32.8 | | 9.4 | 9 | 16.9 | 37.1 | B |
| 9.5 | | 47.0 | 57.1 | | 6.2 | | 55.1 | 29 7 | K | 8.6 | | 31.9 | 30.9 | K | 8.7 | | 33.2 | 55.4 | K | 9.5 | | 40.1 | 48.0 | |
| 9.5 | 10 | 8.1 | 44.6 | | 8.8 | 26 | 29.0 | 58.8 | K | 7.2 | | 40.3 | 36.2 | K | 9.5 | 55 | 8.1 | 27.0 | B | 7.5 | | 51.1 | 24.0 | L |
| 9.5 | | 32.2 | 50.0 | | 9.4 | | 31.4 | 52.6 | B | 9.1 | | 56.7 | 58.4 | | 9.3 | | 47.4 | 32.4 | | 9.5 | 10 | 8.6 | 35.6 | |
| 6.5 | | 35.8 | 37.6 | K | 9.1 | | 34.1 | 18.9 | Bb | 9.5 | 45 | 35.2 | 9.3 | | 8.3 | 56 | 41.9 | 0.8 | K | 9.4 | | 40.3 | 59.9 | B |
| 9.5 | | 37.0 | 7.1 | | 9.5 | | 40.0 | 27.2 | | 9.3 | | 46.4 | 25.6 | | 8.5 | | 50.1 | 20.3 | K | 9.3 | 11 | 6.5 | 42.2 | |
| 9.3 | 11 | 7.7 | 37.2 | | 9.5 | 27 | 7.0 | 8.8 | | 9.5 | | 48.7 | 51.9 | | 9.0 | 57 | 0.3 | 15.9 | S | 9.5 | | 47.4 | 14.5 | |
| 9.5 | | 24.3 | 56.8 | | 9.2 | | 16.7 | 3.4 | | 9.3 | | 54.6 | 30.6 | B | 9.1 | | 1.6 | 9.7 | | 9.1 | | 58.7 | 33.2 | K |
| 8.7 | 12 | 3.9 | 55.4 | | 9.3 | | 23.0 | 15.9 | | 8.9 | 46 | 1.8 | 16.2 | | 9.4 | | 7.2 | 45.9 | | 7.2 | 12 | 14.0 | 23.9 | K |
| 9.5 | | 4.8 | 8.9 | | 8.0 | | 47.8 | 52.5 | L | 9.0 | | 21.7 | 43.8 | K | 9.5 | | 36.0 | 32.4 | | 8.0 | | 25.4 | 44.5 | K |
| 9.5 | | 30.0 | 37.9 | | 8.5 | 28 | 5.2 | 42.0 | L | 6.4 | | 25.9 | 24.4 | L | 9.1 | | 45.4 | 26.8 | | 9.0 | 13 | 6.1 | 32.7 | K |
| 9.5 | 13 | 14.6 | 56.8 | | 9.3 | | 48.1 | 55.4 | | 9.5 | | 39.6 | 6.6 | | 8.9 | | 51.5 | 5.2 | | 9.5 | | 20.6 | 45.5 | |
| 9.5 | | 38.8 | 44.4 | | 9.3 | | 49.5 | 39.1 | | 9.3 | | 53.1 | 50.8 | | 8.9 | | 54.6 | 20.4 | K | 9.5 | 14 | 6.0 | 5.8 | |
| 9.1 | | 56.1 | 27.2 | | 9.5 | 29 | 8.3 | 34.7 | | 9.2 | 47 | 4.1 | 32.9 | | 9.3 | 58 | 9.6 | 52.7 | | 9.5 | | 8.6 | 58.5 | |
| 8.9 | 14 | 8.0 | 33.3 | | 9.3 | | 45.0 | 21.1 | | 8.8 | | 7.6 | 55.3 | R | 8.8 | | 11.7 | 55.8 | K | 8.4 | | 29.3 | 53.7 | K |
| 9.1 | | 25.0 | 42.0 | | 9.1 | | 47.2 | 29.4 | K | 9.2 | | 12.3 | 59.5 | | 9.5 | | 27.8 | 2.5 | | 9.4 | | 30.1 | 58.1 | |
| 9.0 | | 40.4 | 17.1 | K | 9.5 | | 48.1 | 1.2 | | 9.5 | | 12.5 | 46.4 | | 8.5 | | 28.0 | 20.0 | K | 9.4 | | 37.7 | 2.4 | |
| 9.0 | | 47.7 | 6.7 | K | 9.5 | 30 | 4.4 | 40.8 | | 9.1 | | 21.0 | 46.4 | | 9.2 | 59 | 19.0 | 34.4 | K | 8.5 | | 52.9 | 27.8 | |
| 9.5 | 15 | 9.0 | 31.2 | a | 8.8 | | 18.1 | 14.2 | | 5.8 | | 21.0 | 34.0 | L | 9.4 | | 32.4 | 41.0 | | 9.3 | | 56.2 | 23.5 | |
| 8.8 | | 14.3 | 46.0 | | 9.5 | | 27.7 | 10.1 | | 5.8 | | 34.1 | 32.6 | Lb | 8.5 | | 38.2 | 19.7 | K | 9.5 | 15 | 14.5 | 56.7 | |
| 9.0 | | 18.9 | 24.7 | K | 8.5 | | 48.4 | 4.1 | L | 9.5 | | 39.0 | 56.5 | | 9.0 | | 47.5 | 3.3 | | 9.4 | 16 | 3.5 | 17.0 | |
| 6.0 | | 22.8 | 58.0 | Lb | 9.1 | | 59.2 | 44.3 | b | 9.3 | | 43.3 | 54.8 | | 9.5 | 0 | 19.2 | 3.1 | | 9.0 | | 25.5 | 51.4 | |
| 8.9 | | 38.2 | 37.5 | K | 9.3 | 31 | 24.8 | 18.9 | | 9.0 | | 46.1 | 53.4 | | 8.7 | | 46.5 | 13.2 | L | 7.2 | | 26.3 | 27.5 | K |
| 9.3 | | 43.7 | 57.1 | | 9.5 | 32 | 39.6 | 12.1 | | 9.4 | 48 | 13.4 | 46.2 | | 9.0 | | 53.1 | 3.5 | | 8.8 | | 33.6 | 39.1 | |
| 8.0 | | 56.5 | 46.2 | B | 9.3 | 33 | 33.0 | 59.8 | | 9.4 | | 16.0 | 44.8 | | 7.7 | | 56.1 | 25.6 | L | 9.4 | | 35.2 | 3.5 | |
| 7.3 | 16 | 8.6 | 7.5 | B | 9.5 | 34 | 4.1 | 23.3 | | 9.3 | | 20.5 | 57.0 | | 8.7 | 1 | 23.2 | 6.1 | B | 8.5 | | 40.3 | 7.7 | L |
| 9.1 | | 10.4 | 57.7 | | 8.9 | 35 | 15.6 | 20.9 | K | 8.5 | | 22.8 | 23.0 | L | 9.2 | | 31.0 | 59.0 | | 7.5 | 17 | 0.6 | 20.8 | K |
| 9.5 | | 19.9 | 4.5 | | 9.5 | | 31.8 | 15.1 | | 9.4 | | 41.0 | 43.5 | | 9.5 | | 38.2 | 57.0 | | 9.1 | | 1.1 | 57.3 | K |
| 7.8 | | 42.5 | 42.5 | K | 9.5 | | 49.1 | 2.5 | | 9.5 | | 50.0 | 59.9 | | 9.4 | | 39.2 | 2.8 | | 9.5 | | 4.6 | 41.5 | |
| 8.1 | | 44.7 | 57.6 | K | 6.5 | | 55.9 | 56.3 | K | 9.4 | | 52.5 | 41.7 | | 9.5 | | 41.4 | 10.1 | | 8.3 | | 6.3 | 33.1 | L |
| 9.5 | | 58.9 | 16.1 | | 6.8 | 36 | 12.0 | 13.4 | L | 9.2 | | 54.4 | 26.2 | | 8.8 | | 55.5 | 59.6 | | 9.5 | | 16.6 | 0.8 | |
| 9.5 | 17 | 11.1 | 11.6 | B | 9.5 | | 47.7 | 56.9 | | 9.3 | 49 | 1.5 | 46.9 | B | 7.8 | 2 | 44.3 | 41.0 | K | 9.0 | | 38.0 | 45.1 | |
| 9.5 | | 22.3 | 42.1 | | 8.8 | 37 | 8.6 | 25.4 | | 9.1 | | 2.0 | 57.1 | K | 8.5 | 3 | 12.1 | 17.0 | K | 8.8 | | 42.4 | 56.9 | K |
| 9.4 | | 36.0 | 31.2 | | 9.5 | | 29.0 | 26.8 | | 8.1 | | 5.4 | 3.5 | K | 9.3 | | 15.5 | 24.1 | | 7.9 | | 59.5 | 53.4 | K |
| 9.5 | 18 | 8.0 | 36.7 | | 9.1 | | 48.8 | 29.9 | | 8.1 | | 7.5 | 57.7 | K | 9.5 | | 21.6 | 0.5 | | 8.1 | 18 | 0.2 | 18.1 | K |
| 8.8 | | 14.5 | 43.9 | | 9.2 | 38 | 8.5 | 57.9 | K | 9.5 | | 19.4 | 40.5 | | 9.5 | | 28.3 | 2.0 | B | 7.7 | | 25.6 | 18.2 | K |
| 8.3 | | 35.2 | 33.2 | | 9.5 | | 59.0 | 18.0 | | 9.1 | | 22.1 | 59.0 | | 9.5 | | 32.9 | 57.6 | | 9.5 | | 27.0 | 11.3 | |
| 7.5 | | 36.6 | 44.4 | B | 8.9 | 39 | 22.9 | 52.0 | | 9.5 | | 25.8 | 57.6 | | 8.2 | | 33.6 | 41.8 | K | 9.3 | | 43.5 | 49.2 | K |
| 9.5 | | 51.4 | 8.7 | | 9.3 | | 35.3 | 45.3 | B | 9.5 | | 26.4 | 47.3 | | 8.8 | | 56.1 | 38.5 | K | 9.5 | | 52.5 | 15.9 | |
| 9.5 | 19 | 21.4 | 55.2 | | 9.1 | | 54.0 | 6.4 | b | 9.5 | | 26.5 | 3.3 | | 8.4 | 4 | 2.5 | 41.1 | K | 8.3 | 19 | 36.5 | 17.7 | K |
| 9.4 | | 28.0 | 19.8 | | 9.5 | 40 | 29.4 | 33.9 | | 9.5 | | 55.9 | 4.4 | | 9.3 | | 19.6 | 58.1 | B | 9.1 | | 36.9 | 56.3 | |
| 9.0 | | 37.9 | 16.1 | K | 9.3 | | 36.2 | 54.4 | | 9.3 | 50 | 14.9 | 37.4 | | 9.5 | | 25.4 | 39.4 | | 9.5 | | 52.7 | 15.6 | |
| 8.7 | | 50.8 | 51.8 | K | 9.2 | | 53.7 | 45.2 | | 8.0 | | 15.5 | 58.9 | K | 9.3 | | 27.6 | 10.7 | B | 8.5 | | 56.8 | 23.6 | K |
| 7.3 | 20 | 8.3 | 19.7 | K | 9.3 | 41 | 0.6 | 7.3 | | 9.4 | | 15.5 | 48.2 | | 9.5 | | 35.4 | 7.2 | | 6.5 | 20 | 15.6 | 41.7 | K |
| 9.1 | | 31.5 | 43.5 | | 8.6 | | 13.7 | 42.3 | K | 8.5 | | 21.4 | 26.7 | K | 8.6 | 5 | 10.6 | 56.5 | K | 9.5 | | 50.4 | 10.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *33.87* | *3.17* | | *10 pr.* | | *34.49* | *3.09* | | *10 pr.* | | *35.18* | *2.98* | | *10 pr.* | | *35.61* | *2.90* | | *10 pr.* | | *36.19* | *2.78* | |

# Zone +36°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ᵘ | | +36° | | 0ᵘ | | +36° | | 0ᵘ | | +36° | | 0ᵘ | | +36° | | 0ᵘ—1ᵘ | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 7.3 | 0 | 14.6 | 22.3 | K | 9.5 | 14 | 44.9 | 58.3 | 8.8 | 25 | 11.7 | 50.6 | *B* | 9.2 | 38 | 8.8 | 5.4 | K | 7.9 | 49 | 35.1 | 37.3 | L |
| 8.8 | | 35.0 | 27.9 | K | 9.2 | | 55.0 | 26.2 | 8.2 | | 34.1 | 23.2 | K | 9.3 | | 37.7 | 58.4 | | 9.3 | | 45.9 | 35.1 | |
| 9.5 | 1 | 19.1 | 30.3 | | 9.5 | 15 | 34.8 | 18.3 | 9.1 | | 35.9 | 42.7 | | 9.3 | | 58.3 | 13.8 | K | 9.2 | | 50.5 | 38.4 | B |
| 8.3 | | 22.7 | 23.4 | K | 9.5 | | 41.5 | 9.9 | 9.4 | | 55.8 | 22.0 | | 8.7 | 39 | 23.2 | 28.9 | K | 7.3 | 50 | 1.6 | 42.9 | L |
| 9.5 | | 45.4 | 58.9 | | 8.1 | | 54.6 | 37.8 | K | 9.2 | 26 | 19.5 | 26.2 | | 9.3 | | 44.1 | 8.9 | | 9.2 | | 9.4 | 18.7 | K |
| 9.5 | | 54.4 | 53.5 | | 9.5 | | 56.4 | 21.5 | | 9.0 | 27 | 3.7 | 43.0 | | 8.5 | | 47.2 | 50.4 | Kb | 9.3 | | 13.7 | 21.5 | K |
| 9.2 | 2 | 18.6 | 42.7 | | 8.6 | 16 | 7.3 | 5.9 | | 6.6 | | 24.5 | 1.9 | K | 8.6 | 40 | 3.0 | 6.9 | | 9.3 | | 33.6 | 28.5 | |
| 7.5 | 3 | 16.0 | 40.3 | K | 9.3 | | 31.4 | 4.4 | | 9.4 | 28 | 13.9 | 20.4 | | 9.4 | | 49.5 | 18.5 | | 8.7 | | 43.8 | 24.1 | Kl |
| 8.9 | 4 | 22.0 | 13.7 | K | 9.5 | | 46.0 | 29.6 | | 8.8 | | 19.7 | 48.6 | | 9.5 | 41 | 3.5 | 44.7 | | 9.3 | | 58.0 | 25.7 | B |
| 8.5 | | 41.6 | 36.1 | | 8.9 | | 47.1 | 52.3 | | 8.8 | | 22.3 | 53.8 | | 9.3 | | 19.1 | 4.4 | | 8.5 | 51 | 10.2 | 3.1 | |
| 9.4 | 5 | 15.1 | 33.3 | | 9.5 | 17 | 30.2 | 17.8 | | 9.1 | | 27.6 | 49.1 | *a* | 8.9 | | 21.0 | 6.1 | K | 9.0 | | 17.2 | 56.7 | |
| 6.8 | | 18.5 | 53.6 | L | 9.5 | | 41.5 | 35.8 | | 8.9 | | 36.1 | 17.2 | | 9.4 | | 26.2 | 55.5 | | 9.5 | | 23.6 | 6.8 | |
| 7.9 | | 32.6 | 36.5 | L | 9.5 | 18 | 26.3 | 47.5 | | 9.0 | | 44.0 | 36.0 | | 9.0 | 42 | 22.0 | 19.5 | | 8.7 | | 26.2 | 58.9 | K |
| 9.0 | 6 | 18.7 | 2.4 | K | 9.0 | | 31.5 | 49.7 | B | 9.3 | 29 | 2.9 | 43.4 | | 9.1 | | 28.0 | 58.5 | B | 8.7 | | 30.5 | 54.0 | K |
| 9.5 | | 51.5 | 27.9 | | 8.8 | | 39.4 | 30.4 | Kb | 9.4 | | 31.7 | 6.4 | | 9.3 | | 30.7 | 0.5 | | 9.5 | | 51.4 | 6.5 | |
| 9.3 | | 58.3 | 43.8 | | 9.4 | | 42.2 | 37.8 | | 9.5 | | 38.4 | 26.6 | | 9.3 | | 38.1 | 57.4 | | 9.4 | 52 | 26.4 | 33.1 | B |
| 9.1 | 7 | 5.1 | 20.7 | K | 9.2 | 19 | 14.3 | 28.9 | K | 9.5 | | 55.8 | 58.8 | | 9.5 | | 41.7 | 1.6 | | 9.2 | | 52.0 | 18.2 | B |
| 9.5 | 8 | 11.1 | 28.4 | | 9.2 | 20 | 1.5 | 47.7 | | 9.5 | 30 | 18.4 | 47.4 | | 9.5 | 43 | 6.2 | 40.7 | | 9.4 | | 58.3 | 13.2 | |
| 9.4 | | 44.2 | 28.3 | | 9.5 | | 1.7 | 30.1 | | 9.4 | | 18.7 | 57.1 | | 9.5 | | 14.0 | 8.8 | | 9.3 | 53 | 28.4 | 49.0 | |
| 9.5 | | 47.2 | 56.1 | | 9.3 | | 42.2 | 44.2 | | 8.5 | | 25.6 | 49 9 | B | 7.9 | | 25.2 | 14.2 | L | 9.2 | | 49.8 | 36.0 | |
| 9.4 | 9 | 4.2 | 58.5 | | 9.3 | | 48.3 | 46.2 | | 8 5 | | 30.2 | 16.1 | L | 8.9 | | 48.1 | 28.6 | K | 9.1 | 54 | 15.5 | 28.0 | |
| 9.5 | | 14.9 | 1.2 | | 8.0 | | 58.8 | 30.1 | K | 9.2 | | 48.9 | 54.9 | | 9.1 | 44 | 11.3 | 5.1 | | 8·6 | | 20.7 | 24.2 | L |
| 9.2 | | 31.1 | 36.0 | | 9.5 | 21 | 6.0 | 47.4 | | 9.5 | | 55.5 | 57.1 | | 9.2 | | 30.4 | 36.2 | | 9.3 | | 55.4 | 28.0 | |
| 8.3 | | 39.4 | 15.5 | | 9.4 | | 10.9 | 11.1 | | 9.4 | | 58.2 | 3.3 | | 9.4 | | 45.2 | 8.8 | | 9.5 | 55 | 9.8 | 58.5 | |
| 8.7 | 10 | 7.1 | 44.2 | | 9.1 | | 11.3 | 28.9 | K | 9.2 | 31 | 13.2 | 30.0 | | 8.6 | | 59.5 | 9.1 | | 7.8 | | 27.5 | 3.6 | K |
| 9.0 | | 15.4 | 16.5 | | 6.3 | | 15.2 | 5.7 | K | 9.5 | 32 | 48.0 | 38.9 | | 9.5 | 45 | 2.1 | 5.4 | | 9.3 | | 51.6 | 57.0 | |
| 9.3 | | 41.2 | 55.8 | | 9.5 | | 28.6 | 32.1 | | 9.5 | | 52.5 | 19.4 | | 8.6 | | 31.2 | 24.4 | K | 8.2 | | 56.9 | 2.6 | Lb |
| 9.4 | 11 | 14.3 | 52.8 | | 9.0 | | 38.1 | 37.8 | | 9.3 | 33 | 17.6 | 40.9 | | 6.5 | | 32.2 | 37.5 | K | 8.8 | 56 | 0.1 | 40.2 | K |
| 8.7 | | 26.5 | 1.7 | K | 8.9 | | 46.4 | 41.0 | | 9.4 | | 45.2 | 26.6 | | 9.3 | 46 | 1.4 | 24.5 | K | 9.3 | | 30.8 | 54.0 | |
| 9.4 | | 37.2 | 53.8 | | 8.7 | 22 | 3.0 | 2.2 | K | 9.5 | 34 | 25.9 | 43.8 | | 9.5 | | 2.8 | 15.9 | | 8.8 | | 52.1 | 2.6 | K |
| 9.5 | | 57.1 | 11.6 | | 9.5 | | 24.3 | 53.0 | | 9.1 | | 41.8 | 58.0 | K | 9.5 | | 14.1 | 4.4 | | 9.4 | | 56.6 | 1.4 | B |
| 7.3 | 12 | 11.4 | 9.4 | K | 9.2 | | 26.2 | 6.4 | | 8.4 | | 43.5 | 25.6 | K | 9.5 | | 32.3 | 3.7 | | 9.5 | | 59.6 | 5.7 | |
| 9.4 | | 42.2 | 52.4 | | 9.4 | | 43.5 | 56.0 | | 9.5 | 35 | 21.1 | 36.3 | | 9.5 | | 52.4 | 14.2 | | 9.2 | 57 | 4.3 | 3.4 | B |
| 9.4 | | 57.1 | 44.7 | | 9.5 | 23 | 41.9 | 0.9 | | 8.0 | 36 | 1.2 | 45.9 | K | 8.7 | 47 | 55.1 | 48.5 | L | 9.4 | 58 | 41.9 | 34.3 | |
| 9.5 | 13 | 19.0 | 8.4 | | 8.7 | | 54.4 | 27.7 | | 9.2 | | 18.5 | 56.1 | | 9.3 | 48 | 0.4 | 32.8 | | 9.1 | 0 | 39.3 | 24.9 | b |
| 9.5 | | 41.6 | 33.6 | | 9.5 | 24 | 3.1 | 4.0 | *B* | 9.5 | | 37.1 | 17.1 | *B* | 9.3 | 49 | 4.1 | 11.7 | B | 9.2 | 1 | 44.0 | 17.4 | |
| 8.4 | | 58.7 | 36.8 | | 7.9 | | 6.2 | 9.9 | K | 7.8 | 37 | 18.5 | 35.3 | K | 9.3 | | 10.2 | 4.2 | | 9.2 | 2 | 9.4 | 58.5 | K |
| 9.5 | 14 | 1.8 | 33.3 | | 9.4 | | 17.4 | 30.4 | | 8.8 | | 30.2 | 58.3 | K | 9.4 | | 10.4 | 24.1 | | 9.4 | | 28.5 | 41.8 | B |
| 7.4 | | 38.2 | 57.2 | K | 8.7 | | 40.4 | 56.8 | *B* | 9.4 | | 38.9 | 14.1 | | 9.4 | | 29.5 | 51.2 | | 9.5 | | 44.3 | 46.3 | |
| 9.4 | | 41.4 | 16.4 | | 9.5 | | 55.5 | 33.8 | | 9.1 | 38 | 4.0 | 20.3 | | 8.0 | | 33.1 | 16.8 | K | 9.0 | | 50.7 | 58.3 | B |
| | | + | + | | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10 pr.* | | *31.10* | *3.34* | | *10 pr.* | | *31.61* | *3.33* | | *10 pr.* | *32.03* | *3.31* | | *10 pr.* | *32.59* | *3.28* | | *10 pr.* | *33.08* | *3.25* | |

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ˢ | | +36° | | 1ˢ | | +36° | | 1ˢ | | +36° | | 1ˢ—2ˢ | | +36° | | 2ˢ | | +36° | |
| m | | | | m | | | | m | | | | m | | | | m | | | | |
| 6.0 | 3′ | 2.4 | 57.0 | Kb | 9.1 | 21′ | 7.8 | 25.6 | b | 9.4 | 41′ | 28.9 | 37.5 | | 9.4 | 50′ | 54.1 | 22.5 | | 9.3 | 5′ | 39.1 | 36.5 | K |
| 9.4 | | 42.4 | 50.3 | B | 9.2 | | 35.8 | 16.2 | | 9.5 | | 35.1 | 6.2 | B | 9.5 | 51 | 5.0 | 46.2 | | 9.5 | | 49.6 | 9.0 | |
| 9.3 | 4 | 34.2 | 42.8 | B | 9.5 | | 44.7 | 52.4 | | 9.2 | | 35.8 | 37.7 | | 8.1 | | 23.0 | 1.9 | L | 9.5 | 6 | 15.9 | 34.8 | |
| 8.5 | | 38.6 | 13.6 | K | 9.5 | | 53.3 | 49.2 | | 9.5 | | 51.4 | 52.2 | | 8.0 | | 38.5 | 56.0 | K | 9.5 | | 17.2 | 56.4 | |
| 9.0 | | 49.8 | 54.8 | | 9.5 | 22 | 22.0 | 51.9 | | 9.5 | 42 | 20.6 | 2.4 | | 9.3 | | 45.6 | 24.8 | | 9.5 | | 59.0 | 43.6 | |
| 9.5 | | 50.0 | 47.5 | | 9.5 | | 55.4 | 10.4 | | 7.8 | | 30.7 | 50.6 | K | 9.0 | | 48.2 | 11.3 | K | 7.8 | 7 | 11.2 | 5.7 | B |
| 9.5 | 5 | 0.6 | 26.5 | | 9.5 | 23 | 3.8 | 43.6 | | 8.9 | | 49.0 | 3.3 | | 9.5 | 52 | 9.0 | 49.6 | | 8.5 | | 21.8 | 0.8 | L |
| 9.5 | | 13.8 | 0.7 | | 9.5 | | 11.8 | 57.4 | | 8.7 | | 58.0 | 52.4 | B | 9.5 | | 9.9 | 29.4 | | 9.5 | | 35.4 | 36.5 | |
| 8.7 | | 41.5 | 53.7 | L | 8.3 | | 32.0 | 48.0 | K | 9.4 | 43 | 2.3 | 48.2 | B | 9.5 | | 14.8 | 14.6 | | 9.5 | | 43.2 | 58.8 | |
| 9.5 | | 50.1 | 36.9 | | 9.5 | | 37.9 | 1.0 | | 9.4 | | 5.2 | 52.6 | | 9.4 | 53 | 17.0 | 56.7 | B | 8.8 | | 45.8 | 28.7 | |
| 9.4 | 7 | 1.3 | 4.6 | | 9.5 | 24 | 14.0 | 49.5 | | 9.5 | | 43.6 | 27.9 | | 7.9 | | 35.7 | 1.5 | K | 8.6 | | 48.3 | 25.5 | |
| 8.2 | | 19.9 | 58.3 | K | 9.2 | | 19.5 | 29.7 | | 6.8 | | 51.8 | 42.9 | L | 9.4 | | 39.9 | 2.2 | B | 9.5 | 8 | 21.1 | 8 3 | |
| 9.1 | | 32.6 | 25.0 | b | 9.5 | | 45.0 | 9.6 | B | 9.2 | | 54.7 | 38.4 | | 8.9 | | 42.0 | 38.7 | | 8.2 | | 25.4 | 49.1 | S |
| 9.2 | | 54.0 | 19.8 | | 8.8 | | 54.4 | 25.9 | | 9.3 | 44 | 23.5 | 6.4 | | 8.0 | | 52.6 | 48.0 | K | 9.5 | | 47.0 | 16.3 | |
| 9.5 | 8 | 41.5 | 10.8 | | 9.0 | 25 | 15.1 | 7.4 | K | 9.5 | | 27.2 | 52.8 | | 9.5 | 54 | 9.5 | 2.4 | | 9.4 | | 55.3 | 24.8 | |
| 9.2 | 9 | 29.6 | 38.3 | K | 8.9 | | 30.2 | 35.7 | L | 8.8 | | 30.0 | 24.5 | K | 9.4 | | 30.9 | 32.8 | | 9.4 | 9 | 16.9 | 37.1 | B |
| 9.5 | | 47.0 | 57.1 | | 6.2 | | 55.1 | 29 7 | K | 8.6 | | 31.9 | 30.9 | K | 8.7 | | 33.2 | 55.4 | K | 9.5 | | 40.1 | 48.0 | |
| 9.5 | 10 | 8.1 | 44.6 | | 8.8 | 26 | 29.0 | 58.8 | K | 7.2 | | 40.3 | 36.2 | K | 9.5 | 55 | 8.1 | 27.0 | B | 7.5 | | 51.1 | 24.0 | L |
| 9.5 | | 32.2 | 50.0 | | 9.4 | | 31.4 | 52.6 | B | 9.1 | | 56.7 | 58.4 | | 9.3 | | 47.4 | 32.4 | | 9.5 | 10 | 8.6 | 35.6 | |
| 6.5 | | 35.8 | 37.6 | K | 9.1 | | 34.1 | 18.9 | Bb | 9.5 | 45 | 35.2 | 9.3 | | 8.3 | 56 | 41.9 | 0.8 | K | 9.4 | | 40.3 | 59.9 | B |
| 9.5 | | 37.0 | 7.1 | | 9.5 | | 40.0 | 27.2 | | 9.3 | | 46.4 | 25.6 | | 8.5 | | 50.1 | 20.3 | K | 9.3 | 11 | 6.5 | 42.2 | |
| 9.3 | 11 | 7.7 | 37.2 | | 9.5 | 27 | 7.0 | 8.8 | | 9.5 | | 48.7 | 51.9 | | 9.0 | 57 | 0.3 | 15.9 | S | 9.5 | | 47.4 | 14.5 | |
| 9.5 | | 24.3 | 56.8 | | 9.2 | | 16.7 | 3.4 | | 9.3 | | 54.6 | 30.6 | B | 9.1 | | 1.6 | 9.7 | | 9.1 | | 58.7 | 33.2 | K |
| 8.7 | 12 | 3.9 | 55.4 | | 9.3 | | 23.0 | 15.9 | | 8.9 | 46 | 1.8 | 16.2 | | 9.4 | | 7.2 | 45.9 | | 7.2 | 12 | 14.0 | 23.9 | K |
| 9.5 | | 4.8 | 8.9 | | 8.0 | | 47.8 | 52.5 | L | 9.0 | | 21.7 | 43.8 | K | 9.5 | | 36.0 | 32.4 | | 8.0 | | 25.4 | 44.5 | K |
| 9.5 | | 30.0 | 37.9 | | 8.5 | 28 | 5.2 | 42.0 | L | 6.4 | | 25.9 | 24.4 | L | 9.1 | | 45.4 | 26.8 | | 9.0 | 13 | 6.1 | 32.7 | K |
| 9.5 | 13 | 14.6 | 56.8 | | 9.3 | | 48.1 | 55.4 | | 9.5 | | 39.6 | 6.6 | | 8.9 | | 51.5 | 5.2 | | 9.5 | | 20.6 | 45.5 | |
| 9.5 | | 38.8 | 44.4 | | 9.3 | | 49.5 | 39.1 | | 9.3 | | 53.1 | 50.8 | | 8.9 | | 54.6 | 20.4 | K | 9.5 | 14 | 6.0 | 5.8 | |
| 9.1 | | 56.1 | 27.2 | | 9.5 | 29 | 8.3 | 34.7 | | 9.2 | 47 | 4.1 | 32.9 | | 9.3 | 58 | 9.6 | 52.7 | | 9.5 | | 8.6 | 58.5 | |
| 8.9 | 14 | 8.0 | 33.3 | | 9.3 | | 45.0 | 21.1 | | 8.8 | | 7.6 | 55.3 | R | 8.8 | | 11.7 | 55.8 | K | 8.4 | | 29.3 | 53.7 | K |
| 9.1 | | 25.0 | 42.0 | | 9.1 | | 47.2 | 29.4 | K | 9.2 | | 12.3 | 59.5 | | 9.5 | | 27.8 | 2.5 | | 9.4 | | 30.1 | 58.1 | |
| 9.0 | | 40.4 | 17.1 | K | 9.5 | | 48.1 | 1.2 | | 9.5 | | 12.5 | 46.4 | | 8.5 | | 28.0 | 20.0 | K | 9.4 | | 37.7 | 2.4 | |
| 9.0 | | 47.7 | 6.7 | K | 9.5 | 30 | 4.4 | 40.8 | | 9.1 | | 21.0 | 46.4 | | 9.2 | 59 | 19.0 | 34.4 | K | 8.5 | | 52.9 | 27.8 | |
| 9.5 | 15 | 9.0 | 31.2 | a | 8.8 | | 18.1 | 14.2 | | 5.8 | | 21.0 | 34.0 | L | 9.4 | | 32.4 | 41.0 | | 9.3 | | 56.2 | 23.5 | |
| 8.8 | | 14.3 | 46.0 | | 9.5 | | 27.7 | 10.1 | | 5.8 | | 34.1 | 32.6 | Lb | 8.5 | | 38.2 | 19.7 | K | 9.5 | 15 | 14.5 | 56.7 | |
| 9.0 | | 18.9 | 24.7 | K | 8.5 | | 48.4 | 4.1 | L | 9.5 | | 39.0 | 56.5 | | 9.0 | | 47.5 | 3.3 | | 9.4 | 16 | 3.5 | 17.0 | |
| 6.0 | | 22.8 | 58.0 | Lb | 9.1 | | 59.2 | 44.3 | b | 9.3 | | 43.3 | 54.8 | | 9.5 | 0 | 19.2 | 3.1 | | 9.0 | | 25.5 | 51.4 | |
| 8.9 | | 38.2 | 37.5 | K | 9.3 | 31 | 24.8 | 18.9 | | 9.0 | | 46.1 | 53.4 | | 8.7 | | 46.5 | 13.2 | L | 7.2 | | 26.3 | 27.5 | K |
| 9.3 | | 43.7 | 57.1 | | 9.5 | 32 | 39.6 | 12.1 | | 9.4 | 48 | 13.4 | 46.2 | | 9.0 | | 53.1 | 3.5 | | 8.8 | | 33.6 | 39.1 | |
| 8.0 | | 56.5 | 46.2 | B | 9.3 | 33 | 33.0 | 59.8 | | 9.4 | | 16.0 | 44.8 | | 7.7 | | 56.1 | 25.6 | L | 9.4 | | 35.2 | 3.5 | |
| 7.3 | 16 | 8.6 | 7.5 | B | 9.5 | 34 | 4.1 | 23.3 | | 9.3 | | 20.5 | 57.0 | | 8.7 | 1 | 23.2 | 6.1 | B | 8.5 | | 40.3 | 7.7 | L |
| 9.1 | | 10.4 | 57.7 | | 8.9 | 35 | 15.6 | 20.9 | K | 8.5 | | 22.8 | 23.0 | L | 9.2 | | 31.0 | 59.0 | | 7.5 | 17 | 0.6 | 20.8 | K |
| 9.5 | | 19.9 | 4.5 | | 9.5 | | 31.8 | 15.1 | | 9.4 | | 41.0 | 43.5 | | 9.5 | | 38.2 | 57.0 | | 9.1 | | 1.1 | 57.3 | K |
| 7.8 | | 42.5 | 42.5 | K | 9.5 | | 49.1 | 2.5 | | 9.5 | | 50.0 | 59.9 | | 9.4 | | 39.2 | 2.8 | | 9.5 | | 4.6 | 41.5 | |
| 8.1 | | 44.7 | 57.6 | K | 6.5 | | 55.9 | 56.3 | K | 9.4 | | 52.5 | 41.7 | | 9.5 | | 41.4 | 10.1 | | 8.3 | | 6.3 | 33.1 | L |
| 9.5 | | 58.9 | 16.1 | | 6.8 | 36 | 12.0 | 13.4 | L | 9.2 | | 54.4 | 26.2 | | 8.8 | | 55.5 | 59.6 | | 9.5 | | 16.6 | 0.8 | |
| 9.5 | 17 | 11.1 | 11.6 | B | 9.5 | | 47.7 | 56.9 | | 9.3 | 49 | 1.5 | 46.9 | B | 7.8 | 2 | 44.3 | 41.0 | K | 9.0 | | 38.0 | 45.1 | |
| 9.5 | | 22.3 | 42.1 | | 8.8 | 37 | 8.6 | 25.4 | | 9.1 | | 2.0 | 57.1 | K | 8.5 | 3 | 12.1 | 17.0 | K | 8.8 | | 42.4 | 56.9 | K |
| 9.4 | | 36.0 | 31.2 | | 9.5 | | 29.0 | 26.8 | | 8.1 | | 5.4 | 3.5 | K | 9.3 | | 15.5 | 24.1 | | 7.9 | | 59.5 | 53.4 | K |
| 9.5 | 18 | 8.0 | 36.7 | | 9.1 | | 48.8 | 29.9 | | 8.1 | | 7.5 | 57.7 | K | 9.5 | | 21.6 | 0.5 | | 8.1 | 18 | 0.2 | 18.1 | K |
| 8.8 | | 14.5 | 43.9 | | 9.2 | 38 | 8.5 | 57.9 | K | 9.5 | | 19.4 | 40.5 | | 9.5 | | 28.3 | 2.0 | B | 7.7 | | 25.6 | 18.2 | K |
| 8.3 | | 35.2 | 33.2 | | 9.5 | | 59.0 | 18.0 | | 9.1 | | 22.1 | 59.0 | | 9.5 | | 32.9 | 57.6 | | 9.5 | | 27.0 | 11.3 | |
| 7.5 | | 36.6 | 44.4 | B | 8.9 | 39 | 22.9 | 52.0 | | 9.5 | | 25.8 | 57.6 | | 8.2 | | 33.6 | 41.8 | K | 9.3 | | 43.5 | 49.2 | K |
| 9.5 | | 51.4 | 8.7 | | 9.3 | | 35.3 | 45.3 | B | 9.5 | | 26.4 | 47.3 | | 8.8 | | 56.1 | 38.5 | K | 9.5 | | 52.5 | 15.9 | |
| 9.5 | 19 | 21.4 | 55.2 | | 9.1 | | 54.0 | 6.4 | b | 9.5 | | 26.5 | 3.3 | | 8.4 | 4 | 2.5 | 41.1 | K | 8.3 | 19 | 36.5 | 17.7 | K |
| 9.4 | | 28.0 | 19.8 | | 9.5 | 40 | 29.4 | 33.9 | | 9.5 | | 55.9 | 4.4 | | 9.3 | | 19.6 | 58.1 | B | 9.1 | | 36.9 | 56.3 | |
| 9.0 | | 37.9 | 16.1 | K | 9.3 | | 36.2 | 54.4 | | 9.3 | 50 | 14.9 | 37.4 | | 9.5 | | 25.4 | 39.4 | | 9.5 | | 52.7 | 15.6 | |
| 8.7 | | 50.8 | 51.8 | K | 9.2 | | 53.7 | 45.2 | | 8.0 | | 15.5 | 58.9 | K | 9.3 | | 27.6 | 10.7 | B | 8.5 | | 56.8 | 23.6 | K |
| 7.3 | 20 | 8.3 | 19.7 | K | 9.3 | 41 | 0.6 | 7.3 | | 9.4 | | 15.5 | 48.2 | | 9.5 | | 35.4 | 7.2 | | 6.5 | 20 | 15.6 | 41.7 | K |
| 9.1 | | 31.5 | 43.5 | | 8.6 | | 13.7 | 42.3 | K | 8.5 | | 21.4 | 26.7 | K | 8.6 | 5 | 10.6 | 56.5 | K | 9.5 | | 50.4 | 10.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *33.87* | *3.17* | | *10 pr.* | | *34.49* | *3.09* | | *10 pr.* | | *35.18* | *2.98* | | *10 pr.* | | *35.61* | *2.90* | | *10 pr.* | | *36.19* | *2.78* | |

501—560

| m | 2ᵘ | +36° | |
|---|---|---|---|
| 9.5 | 21′ 18.6 | 28.8 | |
| 9.4 | 28.1 | 8.2 | |
| 9.5 | 53.1 | 53.7 | |
| 9.5 | 22 11.7 | 13.8 | |
| 9.5 | 18.6 | 33.6 | |
| 7.5 | 34.6 | 49.2 | K |
| 8.9 | 44.8 | 31.4 | K |
| 9.5 | 23 23.5 | 45.7 | |
| 9.5 | 35.0 | 51.3 | |
| 9.2 | 51.0 | 19.3 | |
| 9.1 | 56.6 | 2.2 | b |
| 7.2 | 24 1.0 | 41.4 | K |
| 9.5 | 28.1 | 25.8 | |
| 9.3 | 28.6 | 8.1 | |
| 9.1 | 31.4 | 34.9 | |
| 9.5 | 49.8 | 24.8 | |
| 9.5 | 26 7.8 | 1.3 | |
| 9.1 | 38.8 | 21.9 | B |
| 6.0 | 43.4 | 41.1 | K |
| 9.2 | 55.9 | 56.3 | |
| 7.0 | 27 1.1 | 26.9 | K |
| 9.4 | 36.9 | 0.0 | |
| 9.0 | 52.7 | 47.0 | Kb |
| 8.3 | 28 0.0 | 43.6 | K |
| 8.8 | 10.1 | 57.9 | K |
| 9.1 | 29 2.0 | 23.8 | b |
| 9.0 | 16.3 | 53.1 | K |
| 9.4 | 25.5 | 49.8 | B |
| 9.2 | 53.9 | 51.3 | |
| 9.5 | 30 28.6 | 29.7 | |
| 9.4 | 47.1 | 43.8 | |
| 9.5 | 49.0 | 50.8 | |
| 9.5 | 31 6.6 | 1.5 | |
| 9.1 | 44.1 | 26.9 | K |
| 9.2 | 32 1.8 | 20.2 | B |
| 9.0 | 33 21.5 | 39.8 | K |
| 9.2 | 26.0 | 14.0 | |
| 9.4 | 33.6 | 35.2 | |
| 9.5 | 35.4 | 54.2 | |
| 9.3 | 43.1 | 31.1 | |
| 7.8 | 54.8 | 34.4 | L |
| 9.4 | 56.2 | 6.0 | |
| 8.0 | 34 19.8 | 17.3 | K |
| 9.5 | 30.1 | 6.0 | |
| 9.2 | 35 7.3 | 53.0 | B |
| 9.1 | 8.8 | 23.6 | K |
| 9.5 | 49.4 | 9.3 | |
| 9.4 | 53.1 | 49.6 | B |
| 9.5 | 36 21.2 | 41.4 | |
| 9.4 | 22.0 | 54.1 | B |
| 9.5 | 25.1 | 14.5 | |
| 9.1 | 57.4 | 35.2 | b |
| 9.5 | 37 30.1 | 8.4 | |
| 9.5 | 44.4 | 46.7 | |
| 9.5 | 38 6.6 | 4.0 | B |
| 9.0 | 35.9 | 52.2 | B |
| 9.2 | 37.1 | 39.7 | |
| 9.4 | 46.2 | 27.9 | |
| 9.2 | 39 0.2 | 56.9 | B |
| 9.4 | 29.6 | 17.5 | |
| | + | + | |
| 10pr. | 36.76 | 2.64 | |

561—620

| m | 2ᵘ | +36° | |
|---|---|---|---|
| 9.5 | 39′ 52.5 | 37.6 | |
| 9.3 | 57.6 | 0.8 | B |
| 9.4 | 40 6.6 | 54.3 | B |
| 9.5 | 10.8 | 59.9 | |
| 9.5 | 11.4 | 14.0 | |
| 6.5 | 25.8 | 42.5 | K |
| 8.0 | 34.6 | 11.6 | K |
| 8.9 | 38.1 | 44.8 | K |
| 6.5 | 41 34.1 | 21.3 | K |
| 9.3 | 35.9 | 27.4 | B |
| 9.2 | 42.1 | 32.3 | |
| 9.3 | 44.3 | 43.6 | |
| 9.5 | 52.1 | 6.4 | |
| 8.6 | 42 11.4 | 30.7 | L |
| 9.1 | 24.7 | 10.4 | |
| 9.5 | 41.8 | 1.6 | |
| 8.5 | 48.9 | 50.1 | |
| 9.1 | 49.3 | 17.5 | |
| 9.3 | 56.6 | 56.4 | B |
| 9.2 | 43 4.3 | 25.3 | B |
| 9.0 | 5.1 | 41.7 | S |
| 7.0 | 8.9 | 29.3 | Kb |
| 9.5 | 16.1 | 41.4 | |
| 9.0 | 33.7 | 55.2 | K |
| 8.4 | 42.4 | 51.1 | K |
| 9.3 | 55.8 | 44.2 | |
| 9.3 | 56.5 | 54.2 | K |
| 9.1 | 44 40.5 | 6.5 | |
| 9.1 | 54.1 | 2.6 | |
| 8.9 | 45 7.8 | 47.0 | |
| 9.3 | 12.4 | 43.4 | B |
| 9.0 | 14.9 | 3.2 | K |
| 9.5 | 22.4 | 39.5 | |
| 9.5 | 55.3 | 46.7 | |
| 9.5 | 56.7 | 34.2 | |
| 8.3 | 58.9 | 8.2 | B |
| 9.5 | 46 14.7 | 22.4 | |
| 9.0 | 23.8 | 30.6 | |
| 8.9 | 32.4 | 31.4 | K |
| 9.5 | 51.8 | 34.5 | |
| 8.6 | 53.4 | 22.4 | |
| 9.5 | 47 9.8 | 5.6 | B |
| 9.5 | 13.1 | 42.8 | |
| 9.5 | 17.9 | 45.9 | |
| 9.5 | 27.2 | 5.5 | B |
| 9.4 | 48 14.5 | 14.1 | |
| 9.3 | 22.3 | 43.8 | |
| 9.4 | 24.7 | 28.0 | B |
| 9.1 | 50 23.6 | 32.8 | b |
| 9.0 | 53.7 | 51.1 | K |
| 9.4 | 51 6.7 | 36.5 | B |
| 9.5 | 11.7 | 36.6 | |
| 9.5 | 12.4 | 43.8 | B |
| 9.4 | 17.6 | 39.8 | |
| 9.5 | 23.7 | 42.8 | |
| 9.5 | 35.7 | 40.5 | |
| 9.3 | 52 0.4 | 52.8 | |
| 9.5 | 11.2 | 53.2 | |
| 9.5 | 42.1 | 22.4 | |
| 9.5 | 44.5 | 50.4 | |
| | + | + | |
| 10pr. | 37.25 | 2.51 | |

621—680

| m | 2ᵘ—3ᵘ | +36° | |
|---|---|---|---|
| 9.5 | 52′ 52.4 | 57.5 | |
| 9.4 | 53 4.1 | 33.1 | |
| 9.5 | 54 12.8 | 58.4 | |
| 8.8 | 24.9 | 48.0 | |
| 8.5 | 45.9 | 49.4 | |
| 9.1 | 55 4.6 | 24.1 | b |
| 9.4 | 56 19.4 | 45.2 | |
| 6.5 | 28.1 | 13.4 | K |
| 9.1 | 54.4 | 14.8 | |
| 9.5 | 57 5.6 | 1.1 | |
| 8.4 | 58 18.7 | 2.6 | K |
| 7.0 | 29.6 | 4.0 | K |
| 9.3 | 35.2 | 31.7 | |
| 8.9 | 36.3 | 17.9 | K |
| 9.3 | 50.7 | 44.8 | |
| 9.5 | 59 21.4 | 12.7 | |
| 8.9 | 36.7 | 44.2 | K |
| 8.0 | 38.1 | 29.3 | K |
| 8.6 | 47.5 | 51.6 | K |
| 6.9 | 0 18.2 | 44.2 | K |
| 9.5 | 24.4 | 22.5 | |
| 9.3 | 35.2 | 26.3 | B |
| 8.3 | 51.4 | 4.0 | |
| 9.3 | 1 12.2 | 42.8 | |
| 8.8 | 15.5 | 1.6 | |
| 9.1 | 17.7 | 20.7 | |
| 9.5 | 2 4.8 | 22.0 | |
| 9.5 | 34.1 | 4.7 | |
| 9.4 | 57.9 | 1.4 | |
| 6.7 | 58.4 | 39.3 | S |
| 8.6 | 3 8.5 | 26.5 | K |
| 8.0 | 18.1 | 34.7 | L |
| 9.4 | 24.2 | 40.0 | |
| 9.4 | 32.0 | 42.5 | B |
| 8.1 | 44.8 | 43.9 | K |
| 8.8 | 4 16.9 | 6.5 | B |
| 9.1 | 27.8 | 29.3 | |
| 9.5 | 27.9 | 5.0 | |
| 9.5 | 30.1 | 16.1 | |
| 8.8 | 32.1 | 57.9 | |
| 9.5 | 48.8 | 46.0 | |
| 9.3 | 5 14.9 | 38.2 | |
| 9.5 | 41.8 | 18.2 | |
| 7.0 | 59.1 | 43.1 | K |
| 9.1 | 6 33.6 | 33.5 | |
| 7.5 | 36.0 | 8.6 | L |
| 9.1 | 46.1 | 28.2 | B |
| 9.2 | 51.4 | 21.4 | |
| 8.3 | 7 4.5 | 4.2 | K |
| 9.2 | 12.4 | 46.2 | |
| 9.3 | 44.2 | 22.8 | |
| 9.0 | 8 59.5 | 17.3 | |
| 9.1 | 9 26.0 | 18.1 | B |
| 9.3 | 37.9 | 18.7 | |
| 9.3 | 10 8.8 | 42.6 | |
| 8.0 | 14.6 | 20.9 | Kb |
| 9.3 | 46.0 | 43.6 | |
| 9.2 | 11 8.7 | 8.9 | K |
| 9.3 | 13.5 | 18.4 | B |
| 9.5 | 36.1 | 3.2 | |
| | + | + | |
| 10pr. | 37.81 | 2.33 | |

681—740

| m | 3ᵘ | +36° | |
|---|---|---|---|
| 9.3 | 11′ 36.7 | 16.8 | |
| 9.5 | 12 7.5 | 30.2 | |
| 9.5 | 13 2.7 | 30.8 | |
| 8.5 | 31.8 | 29.9 | B |
| 9.5 | 14 15.2 | 35.2 | |
| 9.4 | 50.7 | 33.8 | |
| 8.5 | 15 0.5 | 43.9 | |
| 9.0 | 44.2 | 15.7 | |
| 8.0 | 17 6.7 | 29.3 | Lb |
| 9.5 | 48.4 | 9.4 | |
| 9.5 | 18 6.5 | 50.9 | |
| 9.5 | 21.7 | 48.5 | |
| 9.5 | 49.4 | 12.4 | |
| 8.9 | 19 21.2 | 20.6 | |
| 8.4 | 21.7 | 36.6 | L |
| 8.8 | 20 8.0 | 9.1 | R |
| 8.0 | 34.7 | 55.3 | K |
| 7.2 | 55.0 | 8.1 | K |
| 9.5 | 21 37.6 | 39.0 | B |
| 9.4 | 41.0 | 59.8 | |
| 9.5 | 46.0 | 37.0 | |
| 9.3 | 47.8 | 52.8 | |
| 9.4 | 48.2 | 51.0 | |
| 9.5 | 48.3 | 40.0 | |
| 9.5 | 53.3 | 49.6 | |
| 9.5 | 22 0.2 | 7.7 | |
| 9.2 | 6.4 | 52.0 | |
| 9.4 | 8.6 | 56.5 | B |
| 9.5 | 18.0 | 37.5 | |
| 8.6 | 20.8 | 49.4 | K |
| 9.5 | 27.7 | 50.6 | B |
| 8.5 | 31.2 | 28.6 | |
| 8.2 | 34.0 | 58.7 | B |
| 9.5 | 38.5 | 50.8 | B |
| 9.4 | 41.4 | 51.6 | |
| 9.0 | 50.1 | 53.1 | B |
| 9.2 | 23 30.0 | 29.2 | |
| 9.3 | 32.7 | 46.7 | |
| 9.5 | 33.2 | 57.2 | |
| 9.5 | 35.5 | 32.3 | |
| 9.5 | 59.5 | 13.4 | B |
| 9.5 | 24 4.7 | 11.4 | |
| 9.3 | 34.8 | 13.6 | B |
| 8.4 | 34.9 | 30.2 | |
| 9.5 | 25 20.2 | 17.1 | |
| 9.3 | 26 54.2 | 49.5 | |
| 9.2 | 57.4 | 2.2 | b |
| 9.4 | 27 11.5 | 57.0 | |
| 9.5 | 20.8 | 27.1 | B |
| 9.5 | 46.8 | 40.8 | B |
| 8.8 | 59.2 | 45.7 | Kb |
| 7.0 | 28 34.9 | 57.0 | K |
| 9.3 | 30 7.2 | 33.8 | b |
| 9.4 | 31 49.4 | 40.4 | |
| 8.9 | 32 52.3 | 48.6 | K |
| 9.1 | 33 0.8 | 2.0 | |
| 9.5 | 25.2 | 39.7 | |
| 9.0 | 34.2 | 29.6 | |
| 8.7 | 52.5 | 23.0 | |
| 9.5 | 57.2 | 9.9 | |
| | + | + | |
| 10pr. | 38.36 | 2.12 | |

741—800

| m | 3ᵘ | +36° | |
|---|---|---|---|
| 8.4 | 34′ 39.4 | 24.8 | B |
| 5.5 | 35 10.0 | 0.3 | K |
| 9.2 | 13.2 | 4.1 | B |
| 9.5 | 34.0 | 15.9 | |
| 9.5 | 36.4 | 19.0 | |
| 9.5 | 47.3 | 56.0 | |
| 9.5 | 36 14.6 | 15.2 | |
| 9.5 | 35.4 | 6.9 | |
| 8.3 | 37 2.1 | 41.8 | Kb |
| 9.5 | 11.4 | 58.4 | |
| 9.5 | 14.1 | 29.8 | B |
| 9.5 | 38.0 | 36.3 | |
| 9.5 | 57.1 | 1.9 | |
| 9.5 | 38 22.4 | 20.4 | |
| 9.2 | 39 36.5 | 58.1 | b |
| 9.1 | 39.8 | 41.1 | |
| 9.4 | 49.0 | 51.6 | |
| 9.2 | 50.2 | 58.8 | |
| 9.5 | 40 14.5 | 50.7 | |
| 9.3 | 38.7 | 9.6 | B |
| 9.3 | 39.7 | 30.0 | B |
| 9.0 | 41 45.9 | 54.8 | |
| 8.5 | 51.5 | 45.8 | K |
| 8.7 | 56.9 | 59.9 | K |
| 9.4 | 42 4.1 | 38.0 | |
| 8.8 | 17.1 | 25.6 | |
| 9.5 | 37.2 | 13.8 | |
| 8.6 | 49.6 | 4.5 | L |
| 8.9 | 43 27.1 | 24.6 | |
| 8.3 | 51.6 | 23.1 | B |
| 9.5 | 44 0.5 | 55.8 | |
| 8.8 | 27.8 | 32.5 | |
| 9.5 | 47.6 | 50.2 | |
| 8.6 | 52.1 | 15.9 | K |
| 8.5 | 45 13.3 | 18.6 | K |
| 9.4 | 35.4 | 48.1 | |
| 9.5 | 47.1 | 2.8 | |
| 9.5 | 58.7 | 35.6 | |
| 8.4 | 46 1.3 | 8.9 | K |
| 9.5 | 12.0 | 34.3 | |
| 9.5 | 22.5 | 59.3 | |
| 9.1 | 31.6 | 15.5 | Kb |
| 9.5 | 36.1 | 8.2 | |
| 9.5 | 41.4 | 35.3 | B |
| 9.5 | 55.6 | 17.3 | |
| 8.6 | 47 4.8 | 43.9 | K |
| 9.1 | 9.4 | 50.7 | |
| 9.0 | 44.4 | 36.0 | |
| 9.3 | 47.6 | 31.0 | |
| 8.8 | 50.5 | 9.4 | L |
| 9.0 | 48 1.1 | 28.3 | |
| 7.0 | 8.6 | 3.8 | K |
| 7.5 | 22.5 | 11.9 | K |
| 9.3 | 22.7 | 51.1 | B |
| 9.0 | 36.1 | 6.8 | L |
| 8.4 | 49 8.8 | 42.9 | K |
| 9.5 | 57.4 | 8.0 | |
| 8.5 | 50 19.8 | 23.5 | |
| 9.4 | 19.9 | 52.6 | |
| 9.3 | 28.4 | 18.0 | |
| | + | + | |
| 10pr. | 38.92 | 1.87 | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵘ—4ᵘ | | +36° | | | 4ᵘ | | +36° | | | 4ᵘ | | +36° | | | 4ᵘ—5ᵘ | | +36° | | | 5ᵘ | | +36° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 51 | 15.9 | 43.5 | | | 9.5 | 7 | 22.5 | 48.4 | | 9.2 | 29 | 38.5 | 13.9 | | 9.5 | 52 | 16.2 | 23.3 | | 9.4 | 3 | 25.0 | 26.6 | |
| 9.0 | | 39.0 | 6.6 | | | 9.2 | | 28.8 | 54.4 | Kb | 9.5 | | 52.5 | 34.5 | | 9.5 | | 19.7 | 49.5 | | 9.3 | | 31.5 | 47.1 | |
| 9.5 | | 39.1 | 19.7 | | | 8.8 | 8 | 9.7 | 14.6 | | 9.4 | 30 | 19.4 | 7.1 | | 9.0 | | 48.3 | 30.2 | | 9.4 | | 32.6 | 36.5 | |
| 8.5 | | 42.8 | 43.2 | | | 9.2 | | 31.9 | 6.1 | K | 7.5 | 31 | 3.0 | 34.8 | Kb | 9.4 | | 51.2 | 34.3 | | 9.5 | | 37.5 | 56.3 | |
| 7.5 | | 45.0 | 35.6 | K | | 9.5 | | 49.8 | 48.8 | | 9.5 | | 23.0 | 59.0 | | 9.5 | 53 | 19.3 | 39.5 | | 9.0 | | 37.5 | 4.6 | |
| 9.3 | 52 | 35.1 | 24.3 | | | 7.5 | | 55.4 | 30.5 | K | 7.2 | 33 | 0.0 | 1.1 | K | 9.5 | | 22.0 | 11.6 | | 9.5 | | 56.3 | 33.0 | |
| 9.5 | | 43.0 | 46.1 | | | 8.5 | 9 | 55.4 | 47.4 | K | 8.1 | 34 | 8.8 | 46.8 | K | 9.2 | | 24.7 | 3.6 | | 7.0 | 4 | 1.6 | 51.3 | K |
| 8.8 | | 51.7 | 2.0 | | | 8.4 | 10 | 7.8 | 22.5 | L | 9.4 | | 24.6 | 3.3 | | 9.1 | | 33.0 | 4.8 | b | 9.5 | | 13.7 | 54.2 | |
| 9.5 | | 55.9 | 55.4 | | | 9.4 | | 28.0 | 1.4 | | 9.5 | | 58.8 | 22.5 | | 9.5 | | 39.6 | 36.0 | | 7.7 | | 15.5 | 44.6 | K |
| 7.0 | 53 | 38.4 | 42.9 | L | | 9.1 | | 28.3 | 43.3 | | 8.6 | 35 | 25.8 | 59.6 | K | 9.5 | 54 | 9.4 | 17.6 | | 9.3 | | 32.0 | 6.3 | |
| 8.9 | 54 | 33.1 | 32.8 | | | 9.3 | | 35.1 | 12.1 | | 8.9 | | 35.5 | 6.2 | | 8.8 | | 11.5 | 45.0 | | 9.5 | | 32.5 | 38.4 | |
| 9.2 | 55 | 9.2 | 6.8 | | | 7.7 | | 35.2 | 50.7 | B | 8.8 | 36 | 2.3 | 30.6 | | 8.8 | | 13.3 | 37.6 | | 9.4 | | 47.9 | 20.4 | |
| 7.8 | | 26.4 | 41.4 | Lb | | 9.1 | | 37.4 | 6.8 | | 8.8 | | 19.9 | 1.1 | | 8.5 | | 14.4 | 30.7 | K | 9.5 | | 48.0 | 56.3 | |
| 8.8 | | 27.1 | 20.0 | | | 9.5 | | 58.2 | 9.0 | | 8.6 | 37 | 3.4 | 58.8 | K | 9.5 | | 38.2 | 55.4 | | 9.5 | | 48.4 | 23.6 | |
| 9.5 | 56 | 0.0 | 9.3 | | | 9.5 | 11 | 6.7 | 16.6 | | 8.8 | | 19.3 | 28.3 | | 9.3 | | 41.1 | 12.7 | | 9.5 | 5 | 13.8 | 19.0 | |
| 9.1 | | 35.4 | 55.5 | Kb | | 7.3 | | 24.6 | 14.2 | K | 9.2 | | 24.0 | 56.9 | | 9.5 | | 59.6 | 33.2 | | 9.2 | | 18.7 | 19.2 | |
| 9.3 | 57 | 16.1 | 22.5 | | | 9.5 | | 30.0 | 5.1 | | 7.5 | 38 | 5.8 | 27.2 | L | 9.5 | 55 | 14.7 | 55.2 | | 9.4 | | 34.0 | 38.7 | |
| 7.7 | | 40.0 | 53.2 | K | | 9.4 | 12 | 35.1 | 13.8 | | 8.7 | | 40.2 | 53.4 | K | 9.5 | | 52.2 | 38.1 | | 9.5 | | 45.5 | 25.8 | |
| 9.5 | | 47.1 | 4.8 | | | 9.5 | | 37.7 | 58.7 | | 9.5 | 39 | 20.8 | 20.2 | | 9.4 | 56 | 30.1 | 25.0 | | 9.5 | 6 | 4.2 | 18.6 | |
| 9.5 | | 49.8 | 24.6 | | | 7.0 | | 50.8 | 33.9 | K | 9.2 | | 51.3 | 19.0 | | 8.5 | | 35.1 | 19.7 | | 8.8 | | 5.7 | 33.0 | |
| 9.5 | 58 | 6.0 | 10.8 | | | 9.5 | 13 | 6.1 | 21.5 | | 9.4 | 40 | 29.6 | 28.8 | | 9.5 | | 56.4 | 10.1 | | 9.5 | | 14.6 | 23.6 | |
| 9.4 | | 9.9 | 29.5 | | | 9.5 | | 29.5 | 3.1 | | 9.0 | | 58.1 | 11.6 | | 9.3 | 57 | 20.0 | 25.7 | | 9.0 | | 22.5 | 47.6 | |
| 8.8 | | 14.6 | 43.9 | K | | 8.7 | 14 | 10.4 | 12.4 | Kb | 8.9 | 41 | 10.3 | 33.8 | | 9.3 | | 23.3 | 38.8 | | 9.5 | | 38.0 | 7.4 | |
| 8.4 | | 33.4 | 21.7 | L | | 9.5 | 15 | 16.3 | 58.1 | | 9.3 | | 21.4 | 25.1 | | 8.8 | | 38.4 | 40.1 | K | 9.5 | | 38.3 | 38.5 | |
| 8.3 | | 34.8 | 34.2 | | | 9.5 | | 31.8 | 49.8 | | 9.1 | | 22.9 | 39.5 | | 9.4 | | 40.5 | 45.0 | | 9.5 | | 45.0 | 24.7 | |
| 9.1 | | 37.8 | 12.1 | L | | 9.5 | | 34.2 | 3.6 | | 8.4 | 42 | 17.3 | 53.1 | | 9.5 | | 43.6 | 3.9 | | 8.8 | | 49.7 | 54.9 | K |
| 9.3 | | 55.0 | 51.8 | | | 9.4 | | 52.0 | 7.1 | | 9.4 | | 30.8 | 50.5 | | 9.5 | | 48.7 | 8.7 | | 8.7 | 7 | 3.8 | 16.9 | |
| 9.0 | 59 | 12.6 | 31.8 | | | 7.8 | | 52.4 | 55.8 | K | 7.4 | | 38.2 | 22.1 | L | 9.4 | | 58.8 | 16.6 | | 9.5 | | 21.6 | 10.2 | |
| 7.7 | | 41.9 | 2.3 | B | | 7.3 | 16 | 2.8 | 20.0 | K | 8.6 | | 45.3 | 14.1 | K | 9.0 | 58 | 15.2 | 51.2 | B | 9.5 | | 22.4 | 23.5 | |
| 9.5 | | 50.4 | 7.6 | | | 9.5 | | 5.1 | 58.8 | | 9.3 | | 47.9 | 9.3 | | 9.2 | | 17.5 | 47.3 | | 9.5 | | 31.8 | 16.6 | |
| 9.3 | | 54.3 | 59.4 | | | 9.5 | | 38.0 | 48.4 | | 9.4 | | 54.7 | 48.7 | | 9.5 | | 23.9 | 13.3 | | 9.2 | | 43.9 | 4.3 | |
| 9.2 | | 55.5 | 21.8 | | | 9.3 | 17 | 11.5 | 48.0 | | 5.0 | | 56.1 | 27.9 | L | 9.0 | | 26.1 | 48.0 | | 8.9 | 8 | 6.8 | 56.7 | |
| 9.5 | 0 | 21.8 | 44.6 | | | 9.4 | | 21.1 | 52.1 | | 9.5 | 43 | 7.1 | 11.4 | | 9.5 | | 38.4 | 1.6 | | 7.3 | | 35.1 | 28.2 | L |
| 9.3 | | 32.7 | 25.6 | | | 9.0 | | 37.4 | 54.3 | K | 8.8 | | 26.6 | 6.8 | K | 9.4 | | 56.6 | 13.3 | B | 9.4 | | 45.9 | 58.6 | |
| 8.9 | | 33.6 | 15.1 | | | 6.5 | | 43.7 | 12.1 | K | 9.5 | | 32.8 | 19.6 | | 9.5 | | 59.7 | 54.7 | | 9.4 | | 55.6 | 9.2 | |
| 9.4 | | 44.7 | 58.5 | | | 9.5 | 18 | 41.8 | 40.5 | | 9.2 | | 46.5 | 58.2 | | 9.3 | 59 | 14.1 | 28.3 | | 8.8 | 9 | 1.3 | 37.3 | |
| 8.5 | 1 | 0.1 | 8.3 | K | | 9.5 | 19 | 20.0 | 27.7 | | 6.5 | | 50.6 | 34.7 | K | 9.4 | | 18.0 | 12.7 | | 9.5 | | 6.8 | 44.5 | |
| 9.5 | | 8.1 | 54.7 | | | 9.5 | | 25.7 | 53.3 | | 7.5 | 44 | 13.3 | 32.0 | Kb | 9.5 | | 22.9 | 23.6 | | 7.9 | | 12.5 | 2.5 | K |
| 9.5 | | 20.4 | 37.4 | | | 9.4 | 21 | 2.6 | 26.3 | | 9.2 | | 19.0 | 6.7 | | 9.5 | | 45.6 | 2.3 | | 9.4 | | 24.9 | 24.1 | |
| 9.2 | | 52.8 | 27.7 | | | 8.8 | | 37.0 | 50.4 | K | 9.4 | | 54.7 | 10.0 | | 9.5 | 0 | 6.6 | 50.8 | | 9.3 | | 42.0 | 28.0 | |
| 9.5 | 2 | 7.7 | 2.2 | | | 9.4 | 22 | 1.7 | 20.0 | | 8.9 | | 59.2 | 38.4 | K | 7.8 | | 9.1 | 48.8 | K | 9.4 | | 54.3 | 38.2 | |
| 8.3 | | 30.8 | 22.8 | K | | 9.3 | | 10.8 | 21.7 | B | 9.0 | 45 | 13.8 | 38.4 | | 9.4 | | 9.7 | 56.4 | | 8.4 | | 54.5 | 47.1 | |
| 9.4 | | 39.1 | 23.5 | | | 6.5 | | 19.6 | 26.7 | L | 9.5 | | 30.1 | 8.7 | | 9.0 | | 11.0 | 6.3 | | 8.8 | 10 | 1.9 | 3.4 | K |
| 8.2 | | 43.4 | 25.9 | K | | 9.0 | | 23.0 | 4.1 | K | 9.5 | 46 | 23.1 | 54.9 | | 9.3 | | 18.2 | 4.6 | | 9.5 | | 13.7 | 52.1 | |
| 8.9 | | 47.5 | 30.6 | B | | 9.3 | | 27.2 | 14.0 | | 9.5 | 47 | 25.3 | 7.3 | | 8.2 | | 24.8 | 20.2 | B | 9.5 | | 22.6 | 10.5 | |
| 8.7 | | 56.9 | 41.2 | K | | 8.7 | | 32.9 | 10.5 | K | 9.2 | 48 | 21.9 | 13.7 | b | 8.5 | | 46.2 | 39.6 | B | 7.5 | | 24.1 | 31.0 | L |
| 9.5 | 3 | 9.1 | 49.7 | | | 6.5 | | 37.4 | 43.6 | L | 9.5 | | 41.6 | 3.2 | | 8.4 | | 51.9 | 34.9 | B | 9.5 | | 38.0 | 54.2 | |
| 9.5 | | 19.8 | 1.4 | | | 9.5 | | 50.5 | 12.1 | | 9.3 | | 52.0 | 10.4 | | 9.0 | 1 | 0.6 | 10.2 | | 9.2 | | 40.6 | 42.2 | |
| 9.5 | | 23.2 | 18.7 | | | 9.0 | 23 | 16.0 | 56.5 | | 9.5 | 49 | 42.0 | 14.4 | | 9.5 | | 1.0 | 57.0 | | 9.5 | | 42.2 | 51.5 | |
| 9.5 | | 30.4 | 48.2 | | | 8.6 | | 16.8 | 26.5 | B | 9.5 | | 56.4 | 42.7 | | 9.0 | | 4.6 | 10.0 | | 8.2 | | 45.8 | 29.4 | K |
| 9.5 | 4 | 8.6 | 27.7 | | | 8.9 | 24 | 19.1 | 22.5 | K | 9.5 | 50 | 7.3 | 45.5 | | 9.5 | | 5.2 | 12.5 | | 9.5 | | 52.3 | 2.9 | |
| 9.3 | | 20.5 | 34.3 | | | 9.5 | | 29.7 | 31.9 | | 9.0 | | 19.0 | 20.6 | K | 9.4 | | 8.3 | 35.4 | | 9.4 | | 58.6 | 48.8 | |
| 9.3 | | 32.3 | 2.7 | | | 8.5 | 26 | 23.6 | 21.4 | | 9.4 | | 38.5 | 7.3 | | 9.5 | | 21.9 | 31.7 | | 9.5 | | 59.0 | 15.0 | |
| 9.5 | | 40.6 | 11.9 | | | 6.5 | | 58.8 | 39.1 | L | 9.5 | | 49.2 | 52.7 | | 9.3 | 2 | 4.0 | 46.6 | | 9.5 | 11 | 7.2 | 33.5 | |
| 9.0 | | 47.4 | 24.7 | B | | 9.1 | 27 | 39.0 | 59.7 | | 7.5 | | 49.4 | 24.6 | K | 9.0 | | 4.5 | 56.4 | | 9.5 | | 14.8 | 58.2 | |
| 9.2 | | 55.4 | 23.6 | | | 8.5 | | 47.4 | 4.3 | K | 9.5 | 51 | 11.0 | 12.0 | | 9.5 | | 10.4 | 35.4 | | 9.5 | | 33.0 | 27.3 | |
| 6.8 | 5 | 26.0 | 8.2 | K | | 8.5 | 28 | 27.3 | 0.2 | | 8.9 | | 14.7 | 33.2 | K | 9.2 | | 10.4 | 31.0 | | 9.5 | | 39.3 | 38.4 | |
| 9.3 | 6 | 33.2 | 55.7 | | | 7.0 | 29 | 21.8 | 15.5 | K | 9.0 | | 19.1 | 1.9 | B | 9.3 | | 16.9 | 1.9 | | 9.5 | 12 | 5.6 | 9.3 | |
| 8.0 | | 46.5 | 22.4 | K | | 8.5 | | 33.1 | 49.2 | K | 9.2 | | 42.6 | 59.6 | B | 9.4 | | 35.2 | 32.5 | | 9.0 | | 6.4 | 22.4 | Kb |
| 7.5 | 7 | 1.0 | 8.9 | L | | 8.5 | | 37.4 | 33.2 | K | 9.5 | 52 | 14.5 | 1.2 | | 9.2 | | 53.5 | 45.4 | | 7.7 | | 27.4 | 3.3 | L |
| | | + | + | | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 39.29 | 1.67 | | | 10pr. | | 39.62 | 1.46 | | 10pr. | | 40.06 | 1.10 | | 10pr. | | 40.26 | 0.89 | | 10pr. | | 40.36 | 0.76 | |

| 1101—1160 | | | | 1161—1220 | | | | 1221—1280 | | | | 1281—1340 | | | | 1341—1400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ʰ | | +36° | | 5ʰ | | +36° | | 5ʰ | | +36° | | 5ʰ | | +36° | | 5ʰ—6ʰ | | +36° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.9 | 12 | 27.7 | 53.8 | | 8.8 | 20 25.9 | 58.8 | | 9.1 | 29 45.4 | 40.1 | *b* | 9.3 | 43 45.2 | 33.0 | | 8.8 | 53 33.3 | 23.6 | K |
| 9.0 | | 47.6 | 9.7 | | 9.5 | 46.1 | 30.3 | | 9.5 | 59.6 | 5.0 | | 6.9 | 51.0 | 5.3 | K | 9.4 | 46.4 | 2.2 | |
| 9.0 | | 50.7 | 12.9 | | 9.5 | 21 0.9 | 14.3 | | 9.5 | 30 30.9 | 54.2 | | 9.5 | 44 2.1 | 38.2 | B | 8.9 | 58.5 | 25.3 | K*b* |
| 8.8 | | 51.0 | 24.3 | | 9.4 | 13.7 | 18.0 | | 9.3 | 40.1 | 38.2 | | 9.4 | 6.5 | 11.5 | | 8.7 | 54 22.1 | 3.7 | |
| 9.1 | 13 | 1.9 | 35.2 | | 8.5 | 13.8 | 7.7 | | 9.4 | 47.6 | 7.6 | | 9.4 | 8.0 | 7.1 | | 9.5 | 40.3 | 9.8 | |
| 9.3 | | 5.5 | 47.1 | | 9.5 | 18.0 | 25.2 | | 9.5 | 53.0 | 41.8 | | 9.3 | 10.4 | 52.5 | | 9.5 | 53.4 | 49.0 | |
| 9.5 | | 10.7 | 24.8 | | 7.8 | 36.4 | 39.9 | L | 9.5 | 57.4 | 22.1 | | 9.4 | 18.8 | 55.7 | | 9.5 | 57.6 | 46.1 | |
| 9.4 | | 11.0 | 10.2 | | 8.9 | 22 6.3 | 39.1 | | 9.5 | 31 37.1 | 58.7 | | 9.4 | 20.6 | 11.7 | | 9.0 | 55 33.6 | 22.3 | K |
| 9.5 | | 36.5 | 30.7 | | 9.4 | 41.3 | 18.9 | | 8.7 | 44.9 | 21.9 | K | 8.3 | 37.1 | 29.3 | K | 8.8 | 53.8 | 56.2 | L |
| 9.5 | | 41.2 | 19.9 | | 9.5 | 49.2 | 27.0 | | 9.2 | 45.8 | 36.5 | | 8.5 | 54.9 | 20.4 | | 9.5 | 57.5 | 10.5 | |
| 9.4 | | 48.9 | 10.0 | | 8.8 | 49.6 | 0.2 | | 9.3 | 32 28.6 | 49.5 | | 9.3 | 45 4.0 | 47.3 | | 9.5 | 56 1.4 | 6.2 | B |
| 8.7 | | 55.3 | 37.9 | K | 9.4 | 57.5 | 7.9 | | 9.4 | 39.7 | 43.1 | | 7.3 | 5.7 | 13.0 | L | 8.7 | 3.9 | 27.8 | K |
| 6.8 | 14 | 5.7 | 15.1 | K | 8.6 | 23 6.1 | 42.3 | | 8.0 | 44.7 | 7.2 | B | 9.5 | 9.8 | 24.1 | | 9.1 | 13.5 | 1.6 | |
| 9.5 | | 6.4 | 42.3 | | 7.0 | 6.2 | 12.7 | L | 9.3 | 50.9 | 12.7 | | 9.5 | 28.4 | 30.4 | | 9.3 | 20.0 | 35.4 | |
| 9.4 | | 23.3 | 50.3 | | 9.5 | 26.8 | 19.6 | | 9.2 | 54.6 | 5.2 | | 8.8 | 33.5 | 45.6 | | 9.4 | 24.0 | 2.1 | |
| 9.5 | | 29.7 | 53.7 | | 9.1 | 50.0 | 37.4 | | 8.3 | 55.3 | 4.4 | | 9.1 | 57.9 | 33.2 | | 9.0 | 24.6 | 37.8 | |
| 9.5 | | 32.4 | 3.1 | | 7.7 | 54.9 | 21.6 | K | 9.3 | 59.5 | 45.8 | | 7.3 | 46 0.8 | 54.1 | K | 9.0 | 35.8 | 22.2 | K |
| 9.4 | | 32.5 | 5.3 | | 9.2 | 56.6 | 8.8 | | 9.5 | 33 31.2 | 9.2 | | 9.4 | 4.0 | 21.5 | | 9.3 | 57 17.7 | 22.5 | |
| 9.2 | | 38.0 | 5.6 | | 9.5 | 24 28.6 | 1.3 | | 8.8 | 44.8 | 19.3 | K | 9.5 | 12.9 | 23.1 | | 9.4 | 29.7 | 32.7 | |
| 9.5 | | 40.7 | 17.9 | | 9.5 | 39.0 | 25.2 | | 9.2 | 34 1.1 | 51.2 | *b* | 9.1 | 26.5 | 7.0 | | 6.8 | 38.8 | 16.1 | L |
| 9.5 | | 53.9 | 39.9 | | 9.4 | 39.5 | 17.9 | | 9.5 | 11.0 | 30.2 | | 7.5 | 34.7 | 51.2 | K | 8.7 | 52.5 | 37.6 | |
| 6.8 | | 59.4 | 3.6 | K | 9.5 | 50.8 | 57.4 | | 9.5 | 20.0 | 9.3 | | 9.5 | 39.4 | 42.1 | | 9.4 | 54.8 | 42.8 | |
| 9.1 | 15 | 3.7 | 54.7 | | 9.4 | 51.7 | 6.7 | | 9.5 | 20.3 | 15.7 | | 9.5 | 53.6 | 28.6 | | 9.3 | 58 3.2 | 14.4 | |
| 9.1 | | 4.3 | 55.7 | | 9.3 | 25 6.9 | 47.5 | | 9.5 | 49.7 | 10.8 | | 8.5 | 58.0 | 6.6 | B | 7.4 | 8.1 | 4.6 | L |
| 9.5 | | 9.4 | 9.2 | | 9.5 | 22.6 | 47.6 | | 9.5 | 35 22.5 | 5.6 | | 9.5 | 47 10.4 | 28.2 | | 9.3 | 48.5 | 24.6 | |
| 9.4 | | 23.5 | 45.8 | | 9.4 | 35.0 | 52.5 | | 9.5 | 48.4 | 27.8 | | 9.3 | 15.5 | 23.4 | | 9.5 | 53.5 | 32.2 | |
| 9.5 | | 30.0 | 25.8 | | 9.5 | 40.9 | 0.2 | | 9.3 | 36 3.4 | 14.2 | | 8.8 | 20.3 | 46.3 | | 7.7 | 59 4.5 | 41.4 | K |
| 9.5 | | 36.0 | 25.3 | | 9.5 | 43.1 | 28.3 | | 9.5 | 19.7 | 53.0 | | 8.3 | 23.4 | 21.6 | | 9.5 | 21.7 | 5.3 | |
| 9.5 | | 40.3 | 36.7 | | 9.3 | 54.8 | 48.4 | *B* | 9.3 | 38.0 | 18.0 | | 9.5 | 48 0.4 | 26.6 | | 9.0 | 27.5 | 53.7 | K*b* |
| 9.5 | | 46.8 | 58.7 | | 9.3 | 55.0 | 26.6 | | 9.5 | 46.6 | 10.2 | | 9.5 | 9.4 | 2.1 | | 9.5 | 30.2 | 19.0 | |
| 9.5 | 16 | 0.1 | 55.0 | | 8.1 | 26 2.6 | 55.9 | | 9.2 | 49.5 | 24.3 | | 9.4 | 13.7 | 3.2 | | 9.0 | 52.7 | 12.2 | |
| 9.1 | | 11.3 | 19.2 | | 8.3 | 5.4 | 0.6 | | 9.2 | 51.2 | 33.0 | | 9.1 | 15.0 | 43.9 | | 9.2 | 56.1 | 2.5 | |
| 9.5 | | 22.6 | 49.9 | | 9.1 | 13.0 | 8.4 | | 9.5 | 56.9 | 22.4 | | 9.5 | 17.3 | 12.1 | | 9.5 | 0 35.3 | 48.3 | *a* |
| 9.5 | | 30.4 | 42.9 | | 8.8 | 21.2 | 32.5 | | 9.5 | 37 10.5 | 47.6 | | 9.2 | 17.5 | 44.1 | | 9.5 | 39.1 | 17.6 | |
| 9.5 | | 35.8 | 50.3 | | 8.7 | 23.1 | 31.0 | | 8.6 | 11.2 | 1.6 | K | 9.5 | 31.7 | 9.4 | | 9.1 | 41.8 | 47.3 | B*b* |
| 9.2 | | 40.5 | 1.6 | | 8.3 | 24.6 | 8.8 | K | 9.4 | 23.4 | 14.9 | | 8.5 | 45.1 | 21.0 | K | 9.5 | 56.1 | 50.3 | |
| 9.4 | | 57.4 | 3.8 | | 9.4 | 35.4 | 8.2 | | 9.5 | 29.7 | 34.7 | | 9.2 | 49 3.9 | 14.5 | | 9.5 | 1 5.8 | 19.1 | |
| 9.5 | 17 | 4.1 | 58.5 | | 8.5 | 37.8 | 17.6 | | 8.8 | 30.2 | 53.5 | K | 8.9 | 6.3 | 29.5 | | 9.5 | 35.4 | 57.1 | |
| *9.4 | | 11.5 | 25.1 | | 9.3 | 45.3 | 39.2 | | 8.6 | 34.9 | 35.7 | | 9.5 | 8.1 | 53.0 | | 9.5 | 44.5 | 3.8 | |
| 8.8 | | 21.9 | 22.6 | K | 8.8 | 57.5 | 1.2 | | 8.9 | 38 35.6 | 31.5 | | 9.5 | 31.8 | 19.7 | | 8.5 | 2 28.2 | 9.6 | |
| 8.9 | | 40.0 | 42.6 | | 9.3 | 58.0 | 2.6 | | 8.2 | 41.6 | 10.0 | | 9.5 | 41.3 | 8.7 | | 9.5 | 37.1 | 46.5 | |
| 9.5 | | 53.7 | 55.0 | | 8.1 | 27 13.9 | 57.2 | K | 9.5 | 39 7.4 | 10.0 | | 7.9 | 48.9 | 48.8 | K | 9.4 | 47.8 | 1.1 | |
| 9.5 | | 53.8 | 8.3 | | 9.4 | 28.3 | 36.9 | | 9.3 | 25.3 | 19.7 | | 9.5 | 51.8 | 40.4 | | 9.5 | 3 3.0 | 48.8 | |
| 9.2 | 18 | 1.0 | 24.6 | K | 7.7 | 42.4 | 59.7 | K | 8.0 | 38.0 | 7.9 | K | 8.0 | 50 0.5 | 1.7 | K | 9.5 | 9.5 | 18.1 | |
| 9.2 | | 13.9 | 58.1 | | 9.5 | 28 5.7 | 40.2 | | 9.4 | 41.8 | 58.1 | | 9.2 | 8.4 | 58.5 | | 8.5 | 4 1.3 | 38.7 | K |
| 9.5 | | 18.5 | 46.3 | | 9.4 | 27.2 | 1.5 | | 8.9 | 43.7 | 1.8 | K | 9.5 | 28.4 | 42.5 | | 9.2 | 38.8 | 32.5 | K |
| 9.2 | | 19.2 | 53.2 | K | 9.2 | 27.4 | 2.3 | | 9.5 | 40 7.9 | 3.9 | | 9.1 | 41.1 | 51.4 | | 9.0 | 5 35.5 | 23.4 | |
| 9.5 | | 26.3 | 38.3 | | 9.5 | 30.0 | 41.6 | | 9.5 | 9.5 | 42.8 | | 9.5 | 51 13.2 | 36.0 | | 6.6 | 53.3 | 11.5 | K*b* |
| 8.8 | | 41.3 | 38.2 | K | 9.5 | 34.5 | 50.9 | | 9.5 | 35 0 | 29.5 | | 9.4 | 15.2 | 38.1 | | 9.3 | 6 15.2 | 12.4 | |
| 9.3 | | 57.2 | 34.7 | | 9.5 | 37.9 | 37.5 | | 9.4 | 44.4 | 41.6 | | 9.5 | 19.3 | 3.7 | | 9.3 | 57.9 | 0.3 | |
| 9.4 | 19 | 13.8 | 38.9 | | 9.5 | 39.8 | 22.9 | | 9.5 | 41 3.2 | 33.0 | | 9.5 | 34.4 | 34.0 | | 9.1 | 7 7.9 | 23.5 | K |
| 8.9 | | 32.2 | 34.2 | K | 9.2 | 39.9 | 56.8 | | 9.3 | 9.0 | 45.6 | | 7.8 | 49.1 | 30.5 | S | 9.4 | 28.4 | 5.8 | |
| 9.5 | | 44.5 | 44.5 | | 9.5 | 40.2 | 40.6 | | 9.4 | 9.6 | 8.1 | | 9.5 | 52.2 | 41.7 | | 9.1 | 30 5 | 56.0 | K*b* |
| 9.5 | | 46.5 | 43.8 | | 9.5 | 41.5 | 55.2 | | 9.5 | 23.7 | 23.6 | | 9.5 | 52 37.0 | 14.5 | | 9.4 | 32.0 | 13.0 | |
| 9.5 | | 50.9 | 22.6 | | 8.9 | 29 1.4 | 4.3 | | 9.0 | 43.3 | 32.2 | | 9.0 | 41.6 | 18.5 | K | 9.1 | 34.1 | 21.3 | B |
| 9.5 | | 55.3 | 40.5 | | 9.3 | 2.3 | 59.0 | | 9.0 | 42 38.3 | 15.2 | K*b* | 9.0 | 45.3 | 20.4 | K | 9.2 | 38.1 | 25.5 | |
| 9.1 | 20 | 3.9 | 50.6 | | 9.3 | 20.0 | 37 9 | | *9.3 | 44.7 | 13.7 | | 9.0 | 54.0 | 52.4 | K | 9.4 | 8 12.9 | 9.4 | |
| 9.3 | | 4.7 | 54.7 | | 9.2 | 35.9 | 23.6 | | 9.5 | 43 6.6 | 11.2 | | 9.4 | 53 10.9 | 57.0 | | 9.4 | 41.8 | 2.9 | |
| 9.3 | | 7.8 | 55.7 | | 9.3 | 36.4 | 25.6 | | 9.5 | 11.1 | 21.1 | | 8.2 | 15.7 | 31.7 | K | 9.2 | 57.3 | 35.9 | |
| 9.2 | | 22.0 | 38.2 | | 9.5 | 38.9 | 32.0 | | 9.4 | 28.8 | 20.1 | | 9.3 | 31.0 | 12.2 | | 9.4 | 9 1.4 | 58.0 | B |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| *10 pr.* | | *40.43* | *0.64* | | *10 pr.* | | *40.50* | *0.50* | *10 pr.* | | *40.56* | *0.34* | *10 pr.* | | *40.60* | *0.18* | *10 pr.* | | *40.61* | *0.00* |

*1138ᵃ*
*var* | 17 | 6.8 | 45.3 |

*1276ᵃ*
*9.4* | 42 | 39.2 | 15.3 | *B*

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵘ | | +36° | | | 6ᵘ | | +36° | | | 6ᵘ—7ᵘ | | +36° | | | 7ᵘ | | +36° | | | 7ᵘ | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 9 | 36.4 | 13.9 | B | 9.5 | 25 | 4.0 | 49.6 | B | 9.1 | 43 | 57.8 | 17.3 | B | 9.4 | 2 | 24.4 | 6.3 | | 8.1 | 22 | 38.8 | 26.8 | K |
| 8.6 | 10 | 13.0 | 16.3 | L | 9.3 | | 14.4 | 35.1 | | 9.5 | 44 | 5.6 | 27.8 | | 7.8 | | 37.6 | 21.7 | K | 9.4 | | 50.4 | 36.8 | |
| 9.5 | | 17.8 | 16.6 | | 9.5 | 26 | 2.5 | 27.7 | | 9.1 | | 11.6 | 42.4 | b | 9.1 | 3 | 0.7 | 54.1 | K | 9.2 | | 52.1 | 1.0 | B |
| 9.5 | | 43.7 | 13.2 | | 9.1 | | 28.6 | 35.4 | | 9.2 | | 13.9 | 19.3 | | 9.0 | | 19.0 | 40.5 | | 9.5 | 23 | 21.6 | 6.8 | |
| 9.5 | | 59.6 | 14.9 | | 8.6 | | 32.9 | 57.0 | K | 9.4 | | 33.8 | 15.0 | | 9.5 | | 59.0 | 10.8 | | 7.9 | | 44.5 | 6.3 | K |
| 8.3 | 11 | 5.3 | 37.9 | | 8.9 | | 51.8 | 53.2 | | 9.5 | | 33.9 | 24.0 | | 9.5 | 4 | 11.2 | 29.6 | | 9.0 | 24 | 11.8 | 18.1 | K |
| 7.8 | | 13.4 | 22.7 | K | 9.3 | | 58.2 | 11.1 | | 9.5 | 46 | 14.7 | 14.4 | | 9.5 | | 19.3 | 48.1 | | 9.5 | | 52.7 | 6.0 | |
| 9.1 | | 53.4 | 10.1 | S | 8.8 | 27 | 16.4 | 41.8 | | 8.5 | | 21.8 | 54.8 | K | 9.4 | | 33.8 | 18.0 | | 9.5 | 25 | 24.0 | 21.7 | |
| 8.7 | | 54.8 | 8.0 | S | 9.3 | | 31.3 | 28.6 | | 9.1 | | 33.7 | 6.7 | b | 9.5 | 5 | 34.5 | 14.8 | | 9.5 | | 40.8 | 19.1 | |
| 9.4 | 12 | 22.9 | 19.8 | B | 9.1 | 28 | 9.8 | 13.1 | b | 9.3 | | 37.7 | 12.9 | | 8.8 | | 51.2 | 46.5 | K | 9.5 | | 53.9 | 16.6 | |
| 9.5 | | 44.6 | 3.9 | | 8.2 | 29 | 32.4 | 47.7 | K | 9.3 | | 46.6 | 22.6 | | 9.5 | 7 | 3.8 | 40.6 | | 9.4 | 26 | 14.8 | 7.7 | |
| 8.6 | 13 | 4.3 | 8.4 | | 8.8 | | 49.9 | 40.4 | | 9.2 | 47 | 0.3 | 45.8 | | 9.1 | | 35.8 | 46.8 | K | 9.4 | | 20.0 | 36.3 | |
| 9.5 | | 13.1 | 14.2 | | 9.3 | 30 | 5.0 | 38.4 | | 9.3 | | 12.0 | 40.8 | | 7.7 | | 40.6 | 15.4 | K | 8.8 | 27 | 3.9 | 14.8 | |
| 9.5 | | 16.9 | 42.8 | b | 9.3 | | 44.8 | 11.7 | | 9.4 | | 32.7 | 38.5 | | 9.1 | 8 | 2.6 | 47.6 | K | 9.3 | | 7.4 | 27.4 | |
| 9.3 | | 20.0 | 3.6 | | 9.5 | | 52.1 | 11.0 | | 9.5 | 48 | 46.3 | 10.7 | B | 9.0 | | 23.8 | 37.2 | | 9.5 | | 47.3 | 20.7 | |
| 9.1 | | 21.0 | 8.4 | | 9.5 | 31 | 8.4 | 52.5 | | 9.5 | | 58.5 | 49.1 | | 9.5 | | 24.3 | 42.8 | | 9.5 | 28 | 10.1 | 30.0 | |
| 9.0 | | 56.1 | 5.5 | | 9.2 | | 13.5 | 41.5 | | 9.5 | 49 | 16.2 | 14.6 | | 7.8 | 9 | 40.1 | 56.2 | K | 9.2 | | 21.5 | 50.6 | |
| 9.5 | 14 | 20.9 | 8.3 | | 9.3 | | 25.5 | 17.3 | B | 9.5 | | 17.9 | 4.6 | | 9.2 | | 59.4 | 19.7 | Kb | 9.4 | | 35.0 | 51.5 | |
| 9.0 | | 33.0 | 2.9 | | 9.5 | | 26.7 | 36.9 | | 8.7 | | 25.3 | 58.6 | | 8.5 | 10 | 6.9 | 35.2 | K | 8.7 | 29 | 35.2 | 10.5 | K |
| 9.4 | | 43.0 | 10.2 | | 8.7 | | 38.9 | 10.6 | R | 9.3 | | 46.8 | 2.2 | | 9.5 | | 8.6 | 47.5 | | 9.5 | 30 | 8.4 | 17.5 | |
| 9.3 | | 49.8 | 29.7 | | 9.4 | | 49.5 | 13.8 | | 9.4 | | 58.5 | 46.0 | B | 9.5 | | 30.9 | 14.1 | | 9.4 | | 18.5 | 3.8 | |
| 8.0 | 15 | 8.5 | 6.6 | B | 6.5 | | 55.3 | 4.7 | K | 9.5 | 50 | 12.0 | 48.0 | | 9.5 | | 38.1 | 41.6 | | 9.2 | | 32.6 | 37.2 | K |
| 8.8 | | 23.0 | 9.6 | | 9.0 | 32 | 26.1 | 32.8 | | 9.5 | | 16.9 | 42.7 | | 9.5 | 11 | 12.0 | 6.8 | | 9.5 | 31 | 6.2 | 4.9 | |
| 9.4 | | 38.3 | 36.7 | | 8.9 | | 45.9 | 21.0 | R | 9.2 | | 42.5 | 41.0 | | 9.4 | | 19.6 | 50.5 | | 9.2 | | 52.0 | 17.1 | |
| 9.5 | | 55.1 | 30.6 | | 8.8 | | 57.3 | 45.0 | | 9.1 | | 53.5 | 58.6 | | 9.3 | | 21.4 | 27.5 | B | 9.1 | | 57.8 | 40.5 | |
| 9.5 | 16 | 9.9 | 18.8 | | 8.5 | 33 | 10.3 | 18.3 | K | 9.5 | 51 | 12.1 | 57.5 | | 9.4 | | 22.7 | 59.4 | | 9.5 | 32 | 27.6 | 37.2 | |
| 9.0 | | 14.0 | 29.8 | | 9.5 | | 19.4 | 39.3 | | 9.5 | | 26.7 | 33.5 | | 9.3 | | 58.5 | 9.1 | | 8.9 | | 31.4 | 3.9 | |
| 9.1 | | 14.5 | 47.6 | | 9.3 | | 26.8 | 54.6 | B | 9.1 | | 32.6 | 2.5 | Kb | 8.8 | 12 | 10.6 | 20.7 | K | 9.3 | | 51.6 | 9.2 | |
| 9.5 | | 37.5 | 54.0 | | 9.5 | | 26.8 | 50.8 | | 9.1 | | 33.5 | 25.8 | b | 9.5 | | 28.5 | 27.9 | | 9.4 | 33 | 1.1 | 30.3 | B |
| 8.4 | 17 | 14.6 | 16.6 | K | 8.5 | | 33.0 | 28.2 | K | 9.5 | 52 | 56.6 | 4.5 | | 9.3 | | 37.9 | 22.4 | | 8.4 | | 10.9 | 55.7 | Kb |
| 9.5 | | 24.8 | 2.6 | | 9.5 | | 59.2 | 46.0 | | 9.0 | 53 | 7.2 | 43.6 | K | 9.5 | | 52.2 | 10.1 | | 9.1 | | 36.8 | 0.6 | |
| 9.2 | | 40.7 | 59.7 | | 9.5 | 34 | 13.5 | 6.2 | | 9.3 | | 36.1 | 27.3 | | 9.3 | 13 | 9.7 | 54.1 | B | 9.5 | | 55.8 | 48.0 | B |
| 9.3 | | 49.1 | 25.0 | | 8.7 | | 28.3 | 18.2 | K | 9.5 | | 43.4 | 46.1 | | 9.1 | | 16.9 | 49.0 | B | 9.5 | 34 | 19.0 | 22.8 | B |
| 9.2 | 18 | 0.7 | 37.5 | | 6.7 | | 28.9 | 14.4 | K | 9.3 | | 44.9 | 35.7 | B | 9.5 | | 19.0 | 4.7 | | 9.1 | 35 | 8.0 | 51.1 | |
| 8.7 | | 10.5 | 42.9 | | 8.8 | 35 | 21.5 | 3.5 | R | 7.0 | 54 | 20.3 | 31.1 | L | 9.5 | | 22.6 | 39.7 | | 8.5 | | 9.6 | 10.8 | K |
| 7.7 | | 13.8 | 17.5 | K | 9.1 | 36 | 4.9 | 14.1 | | 9.1 | | 40.3 | 3.9 | | 9.2 | | 25.0 | 43.7 | B | 9.5 | | 38.7 | 37.3 | |
| 9.1 | | 21.8 | 27.8 | | 8.5 | | 10.4 | 9.9 | K | 7.8 | 55 | 0.0 | 49.0 | K | 9.5 | | 37.2 | 34.8 | | 8.2 | 36 | 22.4 | 19.4 | K |
| 9.2 | | 25.5 | 51.8 | K | 9.3 | | 25.7 | 35.3 | | 9.5 | | 20.3 | 32.1 | | 9.5 | | 37.8 | 46.7 | | 9.5 | 37 | 30.3 | 37.3 | B |
| 8.4 | | 23.8 | 8.5 | L | 9.4 | | 36.0 | 51.5 | B | 9.1 | | 41.5 | 33.6 | | 9.4 | 14 | 16.2 | 10.8 | | 9.4 | | 50.6 | 24.8 | |
| 9.5 | | 41.0 | 3.7 | | 9.2 | | 46.8 | 1.3 | | 9.4 | | 59.9 | 4.2 | | 9.3 | | 33.4 | 26.7 | | 9.4 | | 53.1 | 26.8 | |
| 9.0 | | 45.8 | 43.7 | | 8.3 | 37 | 8.0 | 32.4 | K | 9.5 | 56 | 7.0 | 22.6 | | 7.5 | | 37.5 | 35.2 | L | 9.4 | 38 | 0.7 | 41.7 | |
| 7.4 | 19 | 1.4 | 34.9 | K | 8.8 | | 25.3 | 50.9 | K | 8.8 | | 10.8 | 15.7 | K | 9.5 | 16 | 6.7 | 24.8 | | 9.5 | | 22.9 | 4.5 | |
| 9.5 | | 24.3 | 32.8 | | 9.5 | | 46.1 | 39.8 | | 7.4 | | 13.8 | 46.6 | L | 9.4 | 17 | 9.1 | 36.3 | | 9.3 | | 35.0 | 52.2 | |
| 9.5 | | 41.6 | 9.2 | | 7.3 | | 49.7 | 48.2 | K | 9.3 | 57 | 4.3 | 59.9 | K | 9.5 | | 14.2 | 58.5 | | 9.5 | | 38.8 | 6.5 | |
| 9.4 | | 54.0 | 3.7 | | 9.3 | 38 | 25.8 | 14.4 | Rb | 9.3 | | 5.5 | 4.5 | | 9.5 | | 45.4 | 4.2 | | 9.2 | | 40.9 | 36.7 | K |
| 8.0 | | 57.1 | 42.0 | Lb | 8.6 | | 52.2 | 18.8 | R | 9.5 | | 21.7 | 22.2 | | 9.5 | | 57.6 | 45.3 | | 8.1 | | 52.3 | 58.9 | K |
| 9.3 | 20 | 16.8 | 37.9 | | 9.5 | 39 | 7.7 | 13.6 | | 8.3 | 58 | 21.8 | 5.2 | Kb | 9.4 | 18 | 0.4 | 4.0 | B | 9.0 | | 54.9 | 58.2 | B |
| 9.0 | | 54.4 | 55.9 | K | 9.1 | | 41.8 | 48.6 | K | 9.5 | | 34.1 | 30.3 | B | 9.5 | | 26.8 | 2.9 | | 9.2 | 39 | 48.5 | 3.8 | |
| 9.2 | 21 | 5.2 | 37.3 | B | 8.6 | | 48.4 | 37.0 | K | 8.4 | 59 | 10.8 | 7.3 | K | 9.5 | | 31.6 | 43.8 | | 9.4 | | 51.9 | 25.7 | B |
| 8.8 | | 56.8 | 23.8 | | 8.8 | | 59.0 | 33.4 | K | 9.4 | | 17.1 | 57.3 | | 9.2 | | 52.6 | 24.9 | Bb | 9.5 | 40 | 26.1 | 25.0 | |
| 8.9 | 22 | 11.5 | 8.8 | | 8.4 | 40 | 27.7 | 34.3 | K | 6.8 | | 42.0 | 48.6 | K | 9.2 | | 54.9 | 55.5 | | 9.2 | 41 | 13.8 | 46.5 | |
| 7.8 | | 13.9 | 42.3 | L | 9.1 | | 32.0 | 32.3 | K | 8.8 | 0 | 17.5 | 4.3 | | 9.5 | 19 | 31.3 | 21.5 | | 9.3 | | 45.7 | 9.1 | |
| 8.9 | | 28.8 | 27.9 | | 9.3 | | 43.6 | 56.2 | | 9.5 | | 51.0 | 48.9 | | 9.3 | 20 | 9.2 | 37.8 | | 9.2 | | 59.8 | 37.2 | |
| 9.3 | | 51.9 | 6.2 | | 9.5 | 41 | 11.5 | 20.9 | B | 9.0 | | 52.7 | 17.7 | K | 9.5 | | 32.6 | 54.7 | | 9.4 | 42 | 19.5 | 13.7 | B |
| 9.5 | 23 | 15.9 | 1.7 | | 9.5 | | 18.4 | 39.1 | | 9.2 | 1 | 7.6 | 46.8 | | 9.2 | | 35.9 | 9.3 | | 9.5 | | 20.6 | 18.0 | |
| 9.5 | | 41.8 | 50.1 | | 9.2 | | 42.6 | 53.7 | K | 9.0 | | 8.9 | 50.4 | K | 9.1 | 21 | 48.0 | 23.8 | | 7.0 | | 36.9 | 32.4 | K |
| 9.5 | 24 | 5.8 | 32.7 | | 9.0 | 42 | 4.5 | 3.7 | | 9.4 | | 28.0 | 9.9 | | 9.5 | | 49.5 | 35.7 | | 7.4 | | 42.9 | 38.0 | K |
| 8.8 | | 7.0 | 41.1 | | 9.5 | | 21.3 | 5.2 | | 9.3 | | 30.6 | 16.2 | | 9.5 | 22 | 22.4 | 31.7 | B | 9 3 | 43 | 5.6 | 33.8 | |
| 9.4 | | 25.9 | 49.6 | B | 9.4 | 43 | 39.4 | 8.1 | B | 9.5 | | 36.8 | 34.1 | | 8.4 | | 26.7 | 50.4 | K | 9.2 | | 8.7 | 54.4 | |
| 9.5 | | 31.2 | 23.1 | | 9.5 | | 43.1 | 2.2 | | 9.4 | | 41.6 | 9.2 | B | 9.5 | | 36.6 | 2.0 | | 9.3 | | 20.1 | 14.0 | |
| | | + | − | | | | + | − | | | | + | − | | | | + | − | | | | + | − | |
| 10 pr. | | 40.59 | 0.25 | | 10 pr. | | 40.50 | 0.49 | | 10 pr. | | 40.35 | 0.77 | | 10 pr. | | 40.12 | 1.05 | | 10 pr | | 39.80 | 1.32 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ—8ᵘ | | +36° | | | 8ᵘ | | +36° | | | 8ᵘ | | +36° | | | 8ᵘ—9ᵘ | | +36° | | | 9ᵘ | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 43 | 52.0 | 4.7 | | 9.4 | 2 | 34.8 | 3.8 | | 9.3 | 17 | 26.1 | 38.1 | | 9.0 | 43 | 32.8 | 42.3 | | 8.6 | 7 | 37.1 | 15.2 | |
| 9.5 | 44 | 6.7 | 34.0 | | 9.3 | 3 | 18.7 | 26.8 | | 9.3 | | 31.4 | 5.7 | | 9.1 | | 42.9 | 3.0 | | 9.0 | 8 | 25.3 | 29.6 | K |
| 9.4 | | 6.8 | 11.5 | | 8.4 | | 45.3 | 8.6 | | 7.8 | | 59.4 | 17.6 | K | 6.1 | 44 | 46.7 | 5.6 | L | 7.7 | 10 | 1.3 | 17.6 | K |
| 9.5 | | 9.3 | 46.7 | | 9.4 | 4 | 10.0 | 34.5 | | 8.5 | 18 | 13.0 | 34.5 | K | 9.4 | 45 | 9.3 | 0.7 | B | 9.5 | | 30.5 | 54.7 | |
| 9.5 | | 35.5 | 51.5 | | 9.4 | | 15.1 | 45.3 | | 7.5 | | 32.7 | 36.0 | K | 9.2 | | 9.9 | 11.0 | | 9.5 | | 35.4 | 49.6 | |
| 9.5 | | 36.7 | 9.3 | | 9.4 | | 46.3 | 46.3 | | 6.9 | | 45.8 | 22.0 | K | 9.3 | | 55.8 | 13.7 | | 9.1 | 11 | 16.8 | 14.6 | K |
| 9.3 | 45 | 20.8 | 16.1 | | 9.5 | | 59.6 | 5.8 | | 8.0 | | 50.3 | 24.6 | K | 9.5 | 46 | 17.0 | 52.0 | | 9.4 | 12 | 0.4 | 21.7 | B |
| 9.4 | | 21.8 | 45.2 | | 9.5 | 5 | 3.5 | 27.6 | | 8.2 | | 51.5 | 51.9 | L | 7.8 | | 46.1 | 44.1 | K | 9.0 | | 23.5 | 21.8 | B |
| 9.5 | | 53.1 | 20.6 | | 8.2 | | 21.8 | 55.9 | K | 9.4 | 20 | 11.1 | 3.4 | | 6.7 | 49 | 19.9 | 21.6 | K | 9.1 | | 57.2 | 4.0 | |
| 9.4 | 46 | 2.9 | 5.5 | B | 9.4 | | 24.6 | 53.7 | B | 9.3 | | 11.8 | 46.0 | | 9.5 | 50 | 27.3 | 9.5 | | 8.0 | 13 | 17.7 | 11.8 | L |
| 8.0 | | 4.0 | 52.8 | K | 9.1 | | 27.9 | 1.5 | | 8.4 | 21 | 37.2 | 23.5 | Kb | 9.5 | | 27.7 | 33.9 | | 8.6 | 14 | 32.3 | 41.1 | K |
| 8.5 | | 6.0 | 20.3 | Kb | 9.5 | | 30.4 | 25.5 | | 8.3 | 22 | 32.3 | 52.5 | K | 9.5 | | 36.0 | 40.5 | B | 8.2 | 15 | 6.0 | 21.5 | B |
| 9.2 | | 15.3 | 32.1 | | 9.5 | 6 | 17.0 | 38.1 | | 8.5 | | 38.6 | 5.1 | | 9.5 | | 44.5 | 4.1 | | 8.7 | | 11.0 | 8.9 | K |
| 8.6 | | 17.1 | 22.0 | K | 8.9 | | 18.0 | 46.0 | | 8.9 | 23 | 23.6 | 11.8 | | 9.5 | 51 | 4.6 | 59.4 | | 9.5 | | 18.1 | 2.3 | |
| 9.3 | | 40.2 | 15.6 | | 8.6 | | 24.2 | 23.0 | Kb | 8.8 | | 59.2 | 22.6 | | 9.5 | | 35.7 | 58.8 | | 8.7 | | 22.8 | 50.0 | K |
| 9.5 | 47 | 3.3 | 14.7 | | 9.5 | | 31.1 | 16.3 | | 6.3 | 24 | 3.8 | 55.5 | K | 9.5 | | 45.3 | 17.1 | | 9.5 | | 35.9 | 5.7 | |
| 7.7 | | 10.9 | 55.9 | K | 9.3 | | 31.2 | 29.6 | | 7.8 | | 17.7 | 17.1 | K | 7.8 | 52 | 37.3 | 24.7 | Kb | 9.1 | | 49.4 | 27.6 | K |
| 9.3 | | 11.2 | 17.2 | | 9.3 | | 57.0 | 38.2 | | 9.5 | | 27.5 | 2.7 | B | 8.9 | | 45.3 | 28.1 | | 9.0 | 16 | 22.1 | 2.2 | |
| 9.1 | | 26.2 | 49.6 | | 9.4 | 7 | 13.5 | 9.6 | | 9.5 | 25 | 10.1 | 29.0 | | 9.4 | 53 | 7.4 | 31.6 | | 9.5 | | 29.3 | 46.6 | |
| 9.0 | | 28.5 | 42.7 | | 9.5 | | 18.7 | 54.5 | | 5.9 | | 25.4 | 54.7 | Kb | 9.4 | 54 | 14.0 | 59.6 | B | 8.5 | 17 | 23.8 | 20.1 | K |
| 9.4 | 49 | 1.5 | 13.5 | | 9.3 | | 42.3 | 26.3 | | 9.3 | 27 | 14.5 | 26.0 | B | 9.5 | | 30.1 | 7.5 | | 9.5 | 18 | 20.5 | 7.5 | |
| 9.4 | | 30.9 | 20.0 | | 9.1 | 8 | 5.9 | 49.9 | | 9.5 | | 20.4 | 13.1 | | 9.5 | | 37.2 | 13.0 | B | 9.4 | 19 | 27.1 | 11.5 | |
| 9.3 | | 38.7 | 56.4 | B | 9.4 | | 7.9 | 48.7 | | 9.5 | | 20.7 | 34.7 | B | 9.0 | 55 | 4.5 | 55.3 | K | 8.6 | | 38.0 | 47.2 | K |
| 9.5 | | 59.5 | 5.9 | | 9.5 | | 24.5 | 28.7 | | 9.2 | | 28.9 | 11.7 | b | 8.8 | | 7.4 | 53.3 | K | 9.2 | | 45.3 | 53.6 | B |
| 8.6 | 50 | 22.5 | 41.7 | Kb | 7.3 | | 27.5 | 10.4 | Kb | 9.5 | | 32.5 | 38.0 | | 6.8 | 56 | 28.3 | 45.5 | K | 9.1 | 20 | 55.3 | 15.1 | K |
| 6.8 | | 22.8 | 28.2 | K | 8.8 | 9 | 27.2 | 31.4 | | 9.2 | | 53.8 | 58.4 | | 9.1 | | 37.9 | 42.0 | | 9.5 | 21 | 53.0 | 47.0 | B |
| 9.4 | | 29.1 | 12.6 | | 8.9 | | 38.9 | 39.3 | | 9.5 | 28 | 21.6 | 12.0 | | 9.4 | | 52.1 | 24.7 | | 8.5 | | 57.2 | 50.6 | K |
| 9.4 | 51 | 2.3 | 25.0 | | 9.5 | | 56.3 | 39.6 | | 9.5 | | 34.0 | 22.0 | | 8.8 | | 54.9 | 58.6 | K | 9.5 | 22 | 31.9 | 1.2 | |
| 9.4 | | 45.6 | 37.4 | | 9.5 | 10 | 0.7 | 2.3 | | 9.2 | 29 | 31.4 | 50.2 | b | 9.5 | 57 | 21.8 | 11.7 | | 9.4 | 23 | 2.3 | 25.1 | |
| 9.4 | 52 | 42.5 | 11.3 | | 9.4 | | 33.5 | 55.1 | | 7.2 | 30 | 13.2 | 1.4 | K | 9.2 | | 42.3 | 54.0 | K | 9.3 | | 4.0 | 58.5 | B |
| 8.0 | | 52.2 | 17.6 | K | 8.4 | | 40.0 | 18.1 | | 9.0 | | 14.8 | 9.8 | | 9.5 | | 51.1 | 21.3 | B | 9.1 | | 12.0 | 9.2 | b |
| 9.0 | 53 | 9.8 | 33.7 | | 9.0 | | 52.1 | 15.0 | | 9.5 | | 28.0 | 54.7 | | 9.4 | 58 | 24.8 | 59.0 | | 9.1 | 24 | 16.2 | 41.6 | K |
| 8.7 | | 21.7 | 28.8 | | 9.4 | 11 | 5.2 | 27.9 | | 9.5 | | 30.7 | 4.8 | | 9.2 | | 28.8 | 49.3 | K | 9.2 | 25 | 0.0 | 58.1 | B |
| 9.4 | | 43.9 | 38.4 | B | 7.3 | | 26.5 | 13.9 | K | 9.5 | | 35.5 | 54.6 | | 9.5 | | 37.2 | 12.5 | | 8.9 | | 21.0 | 59.9 | K |
| 7.0 | 54 | 10.8 | 45.1 | K | 9.3 | | 43.3 | 25.7 | | 9.5 | 31 | 11.9 | 6.7 | | 9.4 | 59 | 1.8 | 21.2 | | 9.1 | | 22.9 | 53.6 | |
| 9.2 | | 20.7 | 4.7 | | 8.5 | | 55.9 | 46.2 | K | 8.9 | | 43.7 | 14.6 | | 7.3 | | 24.7 | 53.9 | K | 9.2 | | 36.8 | 42.1 | |
| 9.2 | | 27.9 | 2.3 | | 9.0 | 12 | 7.2 | 32.1 | | 8.0 | | 50.8 | 41.9 | L | 8.5 | | 43.0 | 10.5 | | 8.9 | 26 | 38.6 | 55.2 | K |
| 9.0 | | 53.8 | 2.2 | | 9.0 | | 14.4 | 42.7 | | 7.9 | | 57.0 | 28.6 | K | 9.5 | 0 | 16.8 | 25.2 | | 9.4 | | 51.3 | 8.2 | |
| 9.4 | 56 | 11.6 | 2.8 | | 8.6 | | 26.2 | 30.7 | K | 9.4 | 32 | 30.7 | 21.0 | | 9.3 | | 20.9 | 50.1 | | 5.5 | | 57.6 | 28.6 | Kb |
| 7.0 | | 33.8 | 42.4 | K | 9.4 | | 29.6 | 3.5 | | 8.5 | | 52.0 | 58.8 | | 8.7 | | 43.3 | 58.2 | K | 9.4 | | 58.7 | 11.8 | |
| 9.0 | | 57.9 | 58.0 | K | 8.5 | | 45.2 | 35.4 | K | 9.0 | 33 | 36.8 | 33.0 | | 9.2 | | 56.8 | 44.1 | K | 8.0 | 27 | 49.3 | 21.1 | K |
| 9.4 | 57 | 21.4 | 23.5 | B | 9.4 | | 46.1 | 36.4 | | 9.0 | | 54.2 | 26.5 | | 9.1 | 1 | 2.7 | 9.5 | | 7.7 | 28 | 5.2 | 15.4 | K |
| 9.3 | | 36.6 | 2.2 | | 9.5 | | 50.6 | 58.6 | | 7.3 | 34 | 16.7 | 52.2 | K | 9.3 | | 46.6 | 13.1 | | 9.0 | 29 | 22.8 | 28.1 | K |
| 9.5 | 58 | 17.5 | 10.8 | | 9.4 | 13 | 28.9 | 0.7 | | 8.8 | 35 | 47.8 | 22.0 | | 8.9 | 2 | 17.8 | 30.6 | K | 9.5 | | 54.4 | 8.2 | |
| 7.7 | | 18.8 | 3.3 | K | 9.5 | | 40.0 | 1.2 | | 9.0 | 36 | 27.9 | 6.3 | | 8.9 | | 32.8 | 13.8 | K | 8.7 | 30 | 51.3 | 33.6 | K |
| 7.7 | | 20.7 | 39.4 | K | 9.4 | | 46.6 | 1.6 | B | 8.8 | | 36.6 | 23.0 | K | 8.9 | | 34.9 | 52.5 | B | 9.5 | | 58.6 | 53.9 | |
| 8.9 | | 26.8 | 13.0 | | 9.2 | | 48.2 | 12.5 | | 9.5 | | 37.0 | 27.9 | | 9.4 | | 40.5 | 49.3 | | 8.5 | 31 | 17.8 | 24.2 | |
| 9.4 | | 32.1 | 54.1 | | 8.3 | 14 | 23.0 | 46.9 | K | 9.5 | | 48.7 | 17.5 | B | 9.3 | | 47.7 | 42.8 | | 9.2 | 32 | 15.0 | 9.5 | K |
| 8.6 | | 33.9 | 27.1 | K | 9.3 | | 28.4 | 50.9 | | 9.5 | 37 | 57.9 | 9.1 | | 9.5 | | 49.9 | 54.5 | | 8.8 | 33 | 16.0 | 6.9 | K |
| 9.3 | | 34.0 | 57.1 | B | 9.5 | | 39.5 | 13.8 | | 8.7 | 38 | 8.7 | 58.7 | Kb | 7.8 | | 54.7 | 4.9 | L | 9.5 | | 55.7 | 8.8 | |
| 9.3 | 59 | 27.4 | 59.1 | | 9.5 | | 48.3 | 54.1 | | 9.4 | | 27.3 | 12.5 | | 9.4 | 3 | 16.9 | 33.4 | | 9.5 | 36 | 17.0 | 59.6 | |
| 7.2 | 0 | 14.5 | 7.9 | L | 9.5 | 15 | 39.3 | 26.4 | | 9.5 | 39 | 37.4 | 43.8 | | 8.3 | | 21.8 | 57.6 | K | 8.9 | | 30.3 | 23.2 | K |
| 9.5 | | 16.9 | 42.5 | | 9.5 | 16 | 1.5 | 9.7 | | 9.5 | | 56.1 | 40.8 | | 9.2 | | 55.0 | 6.9 | | 8.7 | 38 | 14.0 | 1.2 | K |
| 9.3 | | 30.4 | 41.2 | B | 7.9 | | 17.9 | 58.3 | K | 8.4 | 41 | 19.5 | 39.8 | L | 9.5 | 4 | 0.0 | 29.7 | | 9.0 | 39 | 50.6 | 52.0 | |
| 9.5 | | 51.9 | 30.8 | | 9.2 | | 22.5 | 11.4 | | 9.5 | | 26.5 | 15.6 | | 9.5 | | 5.5 | 32.7 | | 8.8 | 40 | 4.8 | 23.6 | K |
| 9.5 | 1 | 11.2 | 41.3 | | 9.5 | | 27.9 | 24.6 | B | 9.4 | | 34.8 | 5.6 | | 9.0 | 5 | 19.8 | 20.2 | | 9.5 | | 14.8 | 22.1 | |
| 8.6 | | 25.8 | 20.1 | B | 9.2 | | 38.7 | 45.5 | | 9.5 | | 47.4 | 32.8 | | 9.0 | 6 | 2.3 | 21.6 | | 9.4 | | 18.8 | 17.6 | |
| 9.5 | | 32.3 | 10.4 | | 9.3 | | 45.8 | 36.3 | | 9.0 | 43 | 3.8 | 41.0 | | 8.5 | | 17.3 | 29.1 | Kb | 9.1 | | 29.6 | 58.5 | K |
| 9.5 | | 59.0 | 12.9 | | 9.1 | 17 | 3.6 | 27.7 | | 8.2 | | 7.1 | 49.2 | K | 7.8 | | 34.8 | 35.1 | K | 9.0 | | 37.5 | 10.8 | K |
| 9.2 | 2 | 9.4 | 56.0 | | 8.8 | | 5.0 | 19.1 | | 8.5 | | 12.2 | 0.3 | | 9.5 | 7 | 3.6 | 1.2 | | 9.4 | 41 | 25.8 | 13.7 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10 pr* | | *39.45* | *1.58* | | *10 pr* | | *39.06* | *1.81* | | *10 pr* | | *38.56* | *2.03* | | *10 pr* | | *37.79* | *2.34* | | *10 pr* | | *36.97* | *2.59* | |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ᵘ—10ᵘ | | +36° | | | 10ᵘ | | +36° | | | 10ᵘ—11ᵘ | | +36° | | | 11ᵘ—12ᵘ | | +36° | | | 12ᵘ | | +36° | |
| m | | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 6.8 | 41 | 37.3 | 32.6 | K | | 9.4 | 15 | 59.2 | 7.7 | | 9.5 | 38 | 29.8 | 24.5 | | 7.8 | 14 | 14.7 | 7.7 | Lb | 9.5 | 1 | 46.4 | 54.0 | B |
| 9.5 | | 52.0 | 22.7 | B | | 9.3 | 16 | 41.2 | 54.4 | | 9.5 | | 56.4 | 30.7 | | 9.5 | 18 | 15.0 | 31.2 | | 9.0 | | 50.1 | 30.8 | b |
| 9.5 | 42 | 14.8 | 13.2 | | | 9.5 | 17 | 1.3 | 51.4 | | 9.5 | 39 | 41.2 | 25.4 | | 9.5 | | 16.9 | 45.2 | | 8.5 | 3 | 39.8 | 10.5 | K |
| 7.3 | 43 | 33.1 | 59.8 | K | | 6.8 | | 5.8 | 56.3 | L | 9.3 | 40 | 0.2 | 35.7 | | 9.5 | | 54.2 | 12.7 | | 9.3 | 4 | 0.5 | 24.2 | |
| 9.0 | | 36.8 | 26.2 | | | 6.5 | | 22.4 | 9.7 | Kb | 9.5 | | 26.0 | 18.8 | | 9.3 | 19 | 5.3 | 50.9 | B | 9.0 | | 13.4 | 54.7 | K |
| 6.5 | | 48.0 | 11.5 | K | | 9.3 | | 31.5 | 52.0 | | 9.3 | 41 | 7.4 | 40.3 | K | 8.5 | | 21.2 | 33.7 | K | 8.5 | | 13.5 | 54.2 | K |
| 9.4 | 44 | 19.3 | 33.0 | | | 9.3 | | 31.6 | 32.1 | | 9.3 | | 31.1 | 23.5 | | 8.2 | 20 | 6.4 | 9.8 | K | 9.3 | 5 | 4.8 | 7.1 | |
| 9.0 | 45 | 20.7 | 55.2 | K | | 8.1 | 18 | 3.9 | 58.3 | K | 7.3 | | 57.9 | 52.8 | K | 9.4 | | 41.5 | 48.8 | B | 7.5 | | 13.5 | 33.5 | K |
| 9.3 | 46 | 43.9 | 14.2 | | | 9.1 | | 13.7 | 37.8 | K | 8.7 | 42 | 58.2 | 36.9 | K | 8.5 | 21 | 58.9 | 25.4 | | 9.0 | 6 | 57.5 | 26.8 | |
| 9.4 | 47 | 14.3 | 29.1 | | | 8.9 | 19 | 3.7 | 41.3 | K | 9.0 | 43 | 48.0 | 17.3 | | 8.8 | | 59.2 | 47.2 | K | 8.6 | 8 | 6.6 | 21.9 | K |
| 9.5 | | 20.3 | 54.9 | B | | 9.5 | | 8.3 | 51.5 | | 9.4 | 44 | 33.7 | 29.2 | | 9.5 | 22 | 24.8 | 22.0 | | 9.1 | | 14.6 | 16.7 | |
| 7.6 | | 42.9 | 0.2 | K | | 9.4 | 20 | 2.3 | 48.3 | | 9.5 | 46 | 10.8 | 18.9 | | 9.3 | | 25.8 | 6.4 | | 9.4 | | 18.8 | 38.3 | B |
| 9.2 | 48 | 37.4 | 55.6 | K | | 9.2 | | 35.9 | 42.3 | | 9.0 | | 44.8 | 55.6 | Bb | 9.5 | | 36.9 | 37.4 | | 9.5 | | 26.5 | 15.7 | |
| 9.4 | | 44.3 | 28.2 | | | 8.5 | | 49.6 | 36.5 | | 8.9 | 49 | 20.3 | 36.5 | | 9.5 | 23 | 36.6 | 14.6 | | 8.6 | | 31.2 | 3.3 | |
| 9.4 | 50 | 10.8 | 59.5 | | | 9.1 | 21 | 38.2 | 45.4 | K | 9.5 | | 46.2 | 18.3 | | 9.4 | | 57.9 | 43.4 | | 9.3 | 9 | 16.8 | 34.9 | |
| 9.3 | 51 | 18.5 | 10.4 | | | 9.5 | | 43.5 | 27.7 | | 9.5 | 50 | 53.0 | 8.2 | | 9.5 | 24 | 2.8 | 39.9 | B | 8.6 | | 34.7 | 44.2 | K |
| 9.2 | | 56.8 | 30.1 | K | | 9.1 | 22 | 16.3 | 51.5 | K | 9.5 | 51 | 9.8 | 28.2 | | 9.5 | 27 | 13.2 | 46.6 | | 8.5 | 10 | 13.1 | 20.2 | L |
| 9.5 | 52 | 37.6 | 16.2 | | | 9.2 | | 28.7 | 3.5 | | 9.3 | | 14.7 | 44.2 | | 8.2 | | 29.7 | 12.4 | B | 9.0 | | 31.5 | 7.1 | |
| 9.2 | | 45.7 | 10.4 | b | | 9.2 | 23 | 2.0 | 11.8 | | 6.0 | | 26.4 | 53.8 | Kb | 9.0 | 28 | 4.6 | 36.5 | | 9.0 | 12 | 3.8 | 19.9 | |
| 9.5 | 53 | 44.1 | 45.6 | | | 9.2 | | 16.7 | 57.0 | K | 9.5 | 53 | 1.9 | 14.5 | | 8.5 | | 4.6 | 44.1 | K | 9.4 | | 20.6 | 41.4 | |
| 9.3 | 54 | 21.8 | 8.7 | | | 9.6 | | 46.3 | 59.2 | K | 8.6 | | 11.4 | 49.8 | K | 9.0 | | 29.2 | 55.5 | B | 9.0 | 13 | 8.1 | 31.0 | |
| 8.5 | | 57.3 | 38.6 | K | | 8.9 | 24 | 38.0 | 7.4 | K | 9.5 | | 51.8 | 36.0 | | 8.9 | | 54.5 | 2.9 | | 9.4 | 15 | 16.5 | 51.7 | |
| 9.2 | 55 | 9.8 | 44.5 | K | | 9.1 | 26 | 36.2 | 41.0 | | 9.5 | | 54.3 | 5.6 | | 9.4 | 29 | 41.6 | 50.9 | | 9.5 | 16 | 6.8 | 3.3 | |
| 9.1 | | 24.3 | 42.0 | Kb | | 8.9 | | 45.0 | 41.3 | Kb | 9.1 | 54 | 44.3 | 26.9 | | 9.0 | | 41.6 | 24.0 | L | 9.2 | 17 | 1.3 | 51.3 | K |
| 9.3 | 56 | 38.2 | 20.7 | B | | 8.8 | | 48.7 | 29.8 | B | 9.2 | | 52.9 | 10.1 | K | 9.0 | 30 | 18.1 | 23.6 | L | 9.2 | | 5.6 | 42.6 | Bb |
| 9.4 | | 52.4 | 34.2 | B | | 9.2 | | 55.0 | 5.6 | | 8.5 | | 54.0 | 27.7 | K | 9.3 | | 32.6 | 10.6 | | 9.5 | | 37.5 | 24.4 | |
| 9.5 | 57 | 33.3 | 4.6 | | | 9.5 | 27 | 23.8 | 32.7 | | 7.3 | 55 | 23.6 | 56.3 | B | 8.6 | | 56.9 | 23.3 | K | 9.5 | | 48.3 | 30.3 | |
| 9.3 | 58 | 5.6 | 10.0 | | | 9.4 | | 53.9 | 0.1 | | 9.5 | | 25.4 | 26.6 | | 9.4 | 31 | 37.1 | 17.2 | B | 9.1 | 18 | 9.0 | 47.0 | |
| 9.5 | 59 | 21.6 | 17.1 | B | | 9.1 | 28 | 0.7 | 17.5 | B | 9.4 | 56 | 45.9 | 23.0 | | 9.5 | 32 | 4.4 | 23.0 | | 8.9 | 20 | 48.6 | 9.5 | |
| 9.0 | | 42.9 | 2.8 | K | | 9.3 | | 9.4 | 21.5 | | 8.9 | | 51.8 | 36.0 | | 9.3 | | 32.1 | 58.0 | | 7.9 | 22 | 4.3 | 19.1 | K |
| 8.9 | | 48.1 | 59.3 | K | | 9.1 | | 24.8 | 33.6 | | 8.8 | | 53.3 | 21.8 | K | 9.5 | 36 | 2.5 | 32.3 | | 9.5 | | 25.2 | 54.8 | |
| 9.2 | | 59.5 | 38.1 | | | 8.6 | | 28.5 | 30.3 | L | 9.4 | 57 | 14.2 | 43.0 | | 9.3 | | 4.2 | 30.5 | B | 9.5 | | 50.5 | 45.5 | |
| 9.2 | 0 | 2.4 | 17.1 | K | | 8.7 | 29 | 2.4 | 20.4 | K | 9.3 | | 32.6 | 11.5 | B | 9.3 | 37 | 3.8 | 35.2 | | 9.3 | 23 | 1.1 | 35.1 | |
| 9.3 | | 31.8 | 59.8 | | | 9.0 | | 32.7 | 13.3 | Kb | 9.5 | | 48.1 | 27.0 | | 9.5 | | 35.2 | 56.7 | | 9.1 | | 15.7 | 33.6 | B |
| 9.5 | | 53.7 | 33.8 | | | 9.5 | | 44.3 | 17.2 | | 9.5 | 59 | 30.7 | 7.9 | | 9.3 | | 55.1 | 5.4 | | 9.1 | | 18.6 | 56.7 | b |
| 9.5 | | 58.9 | 2.8 | | | 9.2 | 30 | 24.9 | 10.7 | K | 9.3 | 0 | 12.8 | 8.0 | | 7.0 | | 59.3 | 41.4 | K | 8.1 | | 58.7 | 36.7 | L |
| 9.5 | 1 | 27.5 | 45.0 | | | 7.5 | | 35.5 | 46.6 | K | 7.4 | | 36.3 | 46.1 | K | 9.5 | 40 | 14.6 | 2.1 | | 9.3 | 24 | 47.0 | 51.0 | |
| 9.1 | | 30.8 | 32.7 | | | 9.5 | 31 | 29.4 | 16.2 | | 9.5 | | 57.7 | 34.7 | | 9.4 | 42 | 47.5 | 30.3 | b | 9.0 | 25 | 22.9 | 7.9 | B |
| 9.2 | | 35.0 | 20.1 | | | 9.3 | | 33.8 | 19.7 | | 9.5 | 1 | 36.8 | 59.5 | | 9.4 | 43 | 37.1 | 3.1 | | 8.3 | | 28.5 | 35.5 | Kb |
| 9.5 | | 55.3 | 52.2 | | | 8.5 | | 49.2 | 15.6 | K | 7.5 | 2 | 14.8 | 7.2 | K | 9.5 | 46 | 31.6 | 58.0 | | 8.4 | 26 | 22.0 | 3.2 | K |
| 9.5 | | 59.2 | 34.1 | | | 7.5 | 32 | 19.8 | 27.7 | K | 9.4 | | 59.5 | 41.2 | | 9.5 | 47 | 38.2 | 40.7 | | 9.4 | 27 | 35.1 | 38.3 | |
| 9.0 | 2 | 34.8 | 34.1 | K | | 9.5 | | 44.6 | 6.9 | | 6.8 | 4 | 38.8 | 35.6 | K | 9.1 | 48 | 16.3 | 15.0 | | 9.3 | | 52.6 | 11.9 | |
| 9.3 | | 53.0 | 47.9 | | | 9.3 | 33 | 2.3 | 56.0 | Kb | 9.5 | | 40.2 | 2.0 | B | 6.5 | | 30.5 | 8.7 | K | 9.4 | 28 | 5.2 | 43.3 | B |
| 8.0 | 3 | 27.8 | 58.6 | K | | 8.9 | | 36.0 | 30.5 | | 7.7 | | 49.0 | 36.8 | K | 9.3 | | 35.1 | 49.0 | | 8.7 | | 9.9 | 54.8 | K |
| 9.5 | 4 | 36.3 | 7.9 | | | 9.0 | 34 | 8.2 | 29.4 | | 9.1 | | 49.4 | 31.5 | | 6.6 | | 48.2 | 15.6 | Kb | 8.8 | | 13.4 | 4.2 | B |
| 9.0 | 5 | 54.8 | 37.1 | K | | 9.0 | | 18.2 | 7.7 | K | 9.4 | 5 | 12.7 | 30.2 | | 9.5 | 49 | 16.1 | 50.8 | | 8.9 | | 21.0 | 32.5 | |
| 9.0 | 6 | 9.7 | 35.9 | K | | 9.5 | | 39.3 | 34.6 | | 9.3 | 6 | 19.5 | 40.2 | | 9.0 | | 31.9 | 39.6 | K | 9.5 | | 52.2 | 48.8 | ? |
| 9.5 | | 22.4 | 47.1 | | | 9.3 | | 47.2 | 55.7 | | 9.5 | | 20.3 | 18.2 | | 9.4 | | 50.8 | 39.5 | B | 9.1 | 30 | 10.5 | 31.6 | b |
| 9.5 | 7 | 9.4 | 50.1 | | | 9.5 | | 54.5 | 7.8 | | 9.2 | 7 | 23.5 | 12.1 | | 9.5 | 53 | 50.7 | 36.1 | | 9.5 | | 46.0 | 49.1 | |
| 9.5 | | 15.3 | 55.6 | | | 9.5 | 35 | 20.8 | 45.8 | | 8.0 | | 42.0 | 38.4 | K | 5.5 | 54 | 13.9 | 51.0 | K | 9.5 | | 54.9 | 25.1 | |
| 9.5 | 8 | 34.0 | 44.6 | | | 9.4 | | 22.5 | 58.7 | | 8.5 | 10 | 7.4 | 13.9 | K | 9.4 | 55 | 9.8 | 56.0 | | 9.5 | 31 | 11.0 | 21.5 | |
| 9.5 | | 53.8 | 40.3 | | | 9.0 | | 33.8 | 38.8 | | 9.5 | | 17.0 | 12.8 | | 8.3 | | 14.2 | 32.1 | B | 9.5 | | 20.4 | 58.5 | |
| 9.5 | 9 | 36.5 | 3.7 | B | | 9.4 | 36 | 30.0 | 22.8 | | 8.4 | | 36.3 | 52.1 | K | 9.0 | | 24.6 | 26.6 | K | 9.4 | | 33.0 | 6.9 | |
| 9.5 | | 43.7 | 8.1 | | | 9.3 | | 56.8 | 1.7 | K | 9.5 | | 47.9 | 10.9 | | 9.4 | 57 | 3.8 | 32.0 | | 9.4 | 32 | 2.8 | 9.9 | |
| 9.4 | | 43.8 | 28.0 | b | | 9.3 | 37 | 3.7 | 8.3 | | 7.0 | | 55.2 | 16.8 | B | 7.3 | | 14.2 | 21.8 | K | 6.0 | | 14.6 | 46.1 | Kb |
| 9.5 | 10 | 2.7 | 55.2 | | | 9.5 | | 28.0 | 42.7 | | 8.8 | | 58.8 | 44.1 | K | 9.0 | | 25.6 | 28.4 | K | 9.3 | | 51.4 | 52.5 | |
| 9.4 | | 52.0 | 12.6 | | | 9.1 | | 44.0 | 19.7 | K | 9.2 | 11 | 5.2 | 41.3 | K | 9.0 | 59 | 13.5 | 8.9 | B | 9.5 | 33 | 6.8 | 51.6 | |
| 9.0 | 12 | 47.8 | 16.3 | K | | 9.1 | | 50.3 | 27.2 | K | 9.2 | 12 | 28.4 | 51.2 | | 9.3 | | 32.0 | 52.8 | | 9.5 | | 58.5 | 51.1 | |
| 9.5 | 14 | 12.5 | 7.0 | | | 8.7 | 38 | 3.5 | 23.4 | K | 9.3 | 13 | 13.5 | 58.0 | B | *9.5 | 1 | 23.9 | 53.7 | B | 9.0 | 35 | 2.7 | 25.9 | B |
| 9.3 | 15 | 45.0 | 13.1 | | | 9.4 | | 22.5 | 22.1 | | 8.1 | | 39.2 | 26.0 | K | 9.5 | | 43.0 | 22.2 | | 8.9 | | 3.2 | 35.7 | |
| | | + | — | | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.68 | 2.89 | | | 10pr. | | 34.57 | 3.08 | | 10pr. | | 33.41 | 3.22 | | 10pr. | | 31.83 | 3.32 | | 10pr. | | 29.76 | 3.33 | |

| 2238ᵃ | | | | |
|---|---|---|---|---|
| 9.6 | 0 | 21.5 | 3.1 | B |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12°—13° | | +36° | | | 13° | | +36° | | | 13°—14° | | +36° | | | 14° | | +36° | | | 14°—15° | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.8 | 35 | 28.7 | 44.4 | K | 9.0 | 12 | 51.2 | 31.8 | | 9.5 | 46 | 10.0 | 38.3 | | 9.0 | 16 | 40.4 | 54.3 | K | 9.5 | 46 | 0.5 | 0.4 | |
| 9.4 | 36 | 11.9 | 41.0 | | 6.9 | 13 | 3.9 | 52.1 | K | 9.5 | 47 | 16.5 | 14.1 | | 9.3 | | 42.7 | 55.3 | B | 9.2 | | 3.0 | 12.6 | |
| 9.0 | | 22.7 | 57.5 | K | 9.1 | 14 | 1.5 | 28.0 | B | 9.1 | | 17.0 | 6.0 | b | 9.4 | | 49.5 | 55.7 | | 9.5 | 47 | 15.7 | 2.0 | |
| 8.9 | | 38.3 | 7.0 | | 9.5 | | 16.9 | 26.3 | | 9.5 | 48 | 25.0 | 10.3 | | 9.5 | | 55.8 | 55.3 | | 9.1 | | 29.6 | 29.1 | Kb |
| 6.7 | 37 | 10.0 | 34.5 | L | 9.4 | | 23.9 | 34.4 | | 9.2 | | 27.6 | 55.0 | K | 8.2 | 17 | 27.3 | 53.9 | K | 9.1 | | 30.5 | 21.3 | |
| 8.0 | | 48.5 | 26.6 | K | 8.0 | 15 | 25.0 | 23.5 | K | 9.5 | | 49.0 | 23.6 | | 9.5 | | 54.1 | 40.1 | | 9.3 | | 53.3 | 30.0 | |
| 9.5 | 38 | 20.8 | 43.1 | | 9.1 | 16 | 0.3 | 6.7 | b | 8.5 | 50 | 27.2 | 9.8 | K | 9.4 | | 55.6 | 53.4 | | 8.8 | 48 | 3.5 | 23.3 | K |
| 9.2 | 42 | 0.3 | 43.8 | B | 8.3 | | 4.7 | 41.7 | K | 9.5 | | 55.9 | 5.4 | | 9.5 | 18 | 21.7 | 40.2 | | 9.5 | | 6.7 | 7.6 | |
| 7.7 | | 17.8 | 6.6 | Kb | 9.5 | 17 | 27.5 | 21.3 | | 9.5 | 51 | 30.4 | 30.2 | | 9.1 | | 49.4 | 11.3 | b | 9.0 | 49 | 7.5 | 59.0 | K |
| 9.4 | 43 | 13.0 | 0.4 | | 8.9 | 18 | 6.8 | 0.4 | | 9.5 | | 56.9 | 13.5 | | 9.4 | | 56.7 | 35.9 | | 8.3 | | 43.2 | 2.7 | B |
| 7.8 | | 21.5 | 29.7 | K | 9.5 | | 49.7 | 47.8 | | 9.3 | 52 | 52.7 | 31.7 | | 9.0 | 20 | 2.4 | 28.2 | K | 9.3 | | 45.0 | 21.6 | |
| 9.2 | | 43.3 | 43.2 | | 9.0 | | 50.5 | 54.5 | K | 9.0 | 54 | 7.6 | 15.3 | K | 9.4 | 21 | 52.8 | 55.4 | | 9.2 | | 52.5 | 30.4 | |
| 9.2 | 45 | 39.7 | 48.5 | Kb | 9.0 | | 51.0 | 33.2 | | 9.3 | | 29.4 | 5.7 | | 7.5 | | 55.4 | 13.5 | K | 9.5 | 50 | 44.0 | 38.9 | |
| 7.5 | 46 | 51.0 | 31.2 | K | 9.5 | 20 | 34.1 | 54.7 | | 9.3 | | 40.9 | 6.0 | | 9.5 | | 55.6 | 25.3 | | 8.8 | 51 | 20.0 | 34.3 | K |
| 9.4 | 47 | 2.5 | 22.0 | | 7.8 | | 58.5 | 28.6 | K | 7.0 | 55 | 22.4 | 55.9 | K | 6.5 | 22 | 17.9 | 51.0 | K | 7.2 | | 20.7 | 4.6 | K |
| 9.2 | | 13.5 | 43.1 | | 9.5 | 21 | 9.6 | 21.0 | B | 7.0 | 56 | 7.3 | 49.4 | Kb | 8.7 | 23 | 34.4 | 52.2 | K | 9.5 | 52 | 5.2 | 10.0 | |
| 9.2 | | 39.0 | 41.0 | | 9.5 | | 40.2 | 56.3 | | 9.2 | | 33.3 | 58.6 | K | 9.2 | | 41.0 | 7.3 | | 9.4 | | 21.5 | 31.5 | |
| 9.5 | | 40.8 | 36.2 | B | 9.5 | | 41.2 | 51.4 | | 9.5 | 57 | 29.9 | 7.0 | | 8.6 | 24 | 18.8 | 9.7 | K | 9.5 | | 25.8 | 57.5 | |
| 9.4 | 48 | 30.0 | 16.3 | | 9.1 | 24 | 25.0 | 39.1 | Kb | 9.4 | 58 | 40.9 | 42.0 | B | 9.4 | | 43.2 | 33.8 | | 9.5 | | 28.1 | 35.5 | B |
| 8.4 | | 50.0 | 44.1 | K | 9.5 | 25 | 33.5 | 29.6 | | 8.6 | | 43.6 | 30.2 | K | 8.0 | | 48.9 | 5.4 | B | 8.8 | 53 | 1.2 | 25.9 | K |
| 8.7 | 49 | 16.3 | 7.9 | K | 8.9 | | 49.3 | 59.7 | K | 9.5 | 59 | 14.5 | 9.1 | | 9.5 | 25 | 16.0 | 25.5 | B | 9.5 | | 30.0 | 16.0 | |
| 9.5 | 50 | 51.2 | 0.7 | | 7.7 | | 59.0 | 47.7 | K | 9.5 | 1 | 48.2 | 34.7 | | 9.1 | | 44.2 | 33.0 | | 9.5 | | 44.3 | 59.0 | |
| 9.4 | 51 | 3.3 | 20.5 | | 9.5 | 27 | 44.3 | 22.6 | | 9.5 | 2 | 44.1 | 21.9 | | 9.5 | 26 | 5.0 | 56.1 | | 9.0 | 54 | 0.9 | 29.5 | R |
| 9.5 | | 44.8 | 59.6 | | 8.2 | | 56.9 | 44.8 | K | 9.4 | 3 | 14.6 | 16.6 | | 8.5 | | 12.1 | 24.7 | K | 9.5 | | 19.0 | 1.6 | |
| 9.5 | 52 | 4.5 | 3.5 | | 9.0 | 28 | 41.9 | 50.1 | B | 8.0 | | 23.0 | 28.5 | K | 7.3 | 27 | 39.2 | 13.4 | Kb | 8.5 | 56 | 1.5 | 15.7 | K |
| 9.2 | | 40.3 | 54.5 | | 9.1 | 29 | 38.5 | 56.3 | K | 8.1 | 4 | 8.8 | 8.4 | K | 8.3 | | 40.7 | 41.5 | | 9.4 | 57 | 27.8 | 35.3 | |
| 9.4 | 53 | 29.1 | 57.0 | B | 8.5 | | 42.1 | 35.6 | K | 9.5 | | 42.0 | 32.0 | | 9.3 | 28 | 48.2 | 12.6 | | 9.1 | | 40.0 | 12.2 | K |
| 8.8 | | 32.0 | 32.5 | K | 9.5 | | 45.0 | 42.2 | | 9.5 | | 46.5 | 17.1 | | 9.3 | 29 | 37.3 | 50.0 | | 9.0 | | 41.3 | 28.3 | |
| 9.5 | | 42.6 | 5.4 | | 9.4 | | 51.9 | 27.8 | | 8.9 | | 51.9 | 58.0 | K | 6.5 | 31 | 13.0 | 33.9 | K | 9.5 | 58 | 9.7 | 26.1 | |
| 9.4 | | 47.4 | 0.7 | | 9.4 | 30 | 12.5 | 23.4 | | 8.3 | 5 | 22.3 | 5.3 | K | 9.5 | 32 | 14.5 | 51.2 | | 9.5 | 59 | 18.4 | 44.0 | |
| 9.2 | 54 | 22.2 | 38.8 | Bb | 9.1 | | 15.0 | 24.3 | B | 7.8 | 6 | 48.5 | 17.1 | K | 9.4 | | 39.9 | 8.5 | | 9.5 | | 25.6 | 27.2 | |
| 9.4 | | 54.0 | 29.8 | | 9.5 | | 17.7 | 24.3 | B | 9.5 | | 48.9 | 28.0 | | 9.5 | | 48.3 | 37.3 | | 9.3 | | 39.1 | 20.0 | |
| 9.5 | 55 | 8.7 | 53.1 | | 8.5 | | 57.0 | 28.0 | K | 7.0 | 8 | 3.2 | 17.6 | K | 9.5 | 33 | 0.8 | 57.2 | | 9.5 | 0 | 39.8 | 44.1 | |
| 9.5 | 56 | 20.0 | 4.9 | | 9.0 | 31 | 12.8 | 53.2 | K | 8.5 | | 12.6 | 13.3 | K | 9.5 | | 10.0 | 24.2 | | 8.5 | 1 | 11.0 | 2.8 | Kb |
| 9.4 | | 49.8 | 30.8 | | 8.9 | | 33.3 | 58.1 | K | 9.3 | | 22.7 | 13.8 | B | 8.7 | 34 | 59.0 | 42.1 | K | 9.2 | 3 | 21.3 | 46.7 | b |
| 8.7 | 58 | 18.3 | 59.8 | B | 9.3 | | 50.3 | 6.6 | | 9.1 | | 37.1 | 56.2 | | 9.5 | 35 | 6.5 | 22.1 | | 9.5 | | 46.8 | 57.8 | |
| 5.5 | 59 | 1.0 | 34.4 | Kb | 9.5 | 32 | 34.7 | 42.2 | | 9.3 | | 55.6 | 25.3 | | 9.5 | | 16.5 | 23.8 | | 9.5 | 4 | 26.3 | 57.6 | |
| 9.3 | | 12.3 | 27.4 | | 9.5 | | 45.0 | 8.8 | | 9.5 | 9 | 18.9 | 32.4 | | 9.5 | | 59.0 | 36.0 | | 9.1 | 5 | 3.2 | 23.2 | |
| 8.6 | 0 | 7.8 | 53.7 | K | 8.9 | | 56.4 | 20.0 | | 9.5 | | 41.3 | 58.0 | | 9.3 | 36 | 20.3 | 8.8 | | 9.2 | 6 | 5.4 | 57.7 | |
| 9.1 | | 38.3 | 53.2 | | 9.5 | 33 | 19.0 | 32.2 | | 9.5 | | 52.1 | 52.5 | | 8.9 | | 25.5 | 11.3 | | 9.5 | | 16.0 | 48.0 | |
| 9.3 | | 44.2 | 34.6 | B | 9.3 | 35 | 41.4 | 0.4 | K | 9.1 | | 55.8 | 37.7 | K | 9.5 | 37 | 19.0 | 45.1 | | 9.1 | | 43.9 | 54.0 | K |
| 9.5 | 3 | 3.7 | 50.6 | | 9.0 | | 51.5 | 51.3 | Kb | 9.4 | 10 | 7.5 | 13.1 | | 9.2 | | 48.2 | 50.1 | b | 9.3 | | 53.7 | 14.7 | B |
| 9.5 | | 35.3 | 48.1 | | 9.5 | 36 | 42.5 | 51.5 | | 9.5 | | 38.6 | 12.9 | | 9.5 | 38 | 33.0 | 4.9 | | 8.0 | | 54.0 | 31.0 | K |
| 7.5 | | 54.2 | 42.5 | K | 9.3 | 37 | 2.4 | 34.6 | | 9.3 | | 46.2 | 7.7 | K | 9.5 | | 34.0 | 16.5 | | 9.0 | 7 | 54.5 | 41.0 | B |
| 9.2 | 4 | 48.0 | 42.8 | K | 8.7 | | 9.0 | 3.9 | | 9.5 | | 53.2 | 8.6 | | 9.5 | 39 | 35.5 | 39.2 | | 9.5 | 8 | 56.3 | 44.2 | |
| 8.8 | 5 | 9.5 | 2.5 | | 8.0 | | 13.3 | 26.7 | L | 9.5 | 11 | 20.2 | 16.2 | | 9.5 | | 59.6 | 49.6 | | 9.1 | 9 | 44.5 | 30.7 | R |
| 9.0 | | 20.1 | 37.5 | B | 9.5 | 39 | 56.4 | 42.2 | | 9.1 | | 25.6 | 24.8 | K | 8.6 | 40 | 17.2 | 31.6 | K | 9.5 | 10 | 0.4 | 53.9 | |
| 9.5 | | 25.5 | 9.5 | | 8.8 | 40 | 4.5 | 16.5 | | 4.8 | | 51.8 | 10.7 | Kb | 9.3 | | 34.0 | 37.3 | K | 9.0 | | 12.1 | 8.7 | |
| 8.8 | 6 | 46.6 | 2.4 | B | 9.5 | | 18.7 | 41.4 | | 9.5 | | 52.2 | 58.7 | | 9.5 | 41 | 11.0 | 34.8 | | 9.5 | 11 | 9.0 | 43.2 | |
| 9.5 | | 47.3 | 30.1 | B | 9.3 | | 46.5 | 7.2 | Kb | 9.1 | 12 | 31.3 | 44.5 | K | 7.5 | | 30.0 | 10.7 | K | 9.0 | 13 | 9.0 | 58.9 | Kb |
| 9.5 | | 58.5 | 26.6 | | 9.3 | 41 | 34.7 | 44.0 | B | 9.5 | 13 | 11.7 | 43.2 | | 7.5 | | 57.7 | 16.0 | K | 9.5 | | 15.0 | 21.9 | |
| 6.8 | 8 | 27.0 | 12.3 | K | 9.5 | | 45.1 | 44.6 | | 9.5 | | 26.6 | 0.1 | | 8.7 | 42 | 8.0 | 27.3 | K | 9.5 | 14 | 16.3 | 38.0 | |
| 9.2 | 9 | 23.1 | 56.5 | | 9.5 | 43 | 0.7 | 15.2 | | 9.5 | | 28.6 | 42.2 | | 8.4 | | 58.0 | 39.0 | K | 9.5 | | 21.0 | 45.4 | B |
| 8.0 | | 28.5 | 39.1 | K | 8.0 | 44 | 29.6 | 38.1 | L | 9.5 | | 36.7 | 33.4 | | 9.3 | 43 | 5.0 | 16.9 | | 9.4 | | 25.1 | 41.1 | B |
| 9.5 | 10 | 23.3 | 16.5 | | 8.7 | | 45.8 | 58.0 | K | 9.5 | | 46.3 | 53.8 | | 8.4 | | 12.5 | 40.4 | K | 9.5 | | 41.5 | 13.9 | |
| 9.5 | | 34.1 | 33.6 | B | 9.0 | 45 | 21.7 | 48.2 | K | 9.5 | 15 | 19.5 | 19.0 | | 9.5 | | 39.0 | 49.6 | | 9.5 | 15 | 19.2 | 26.2 | |
| 9.0 | | 53.0 | 28.3 | K | 9.5 | | 33.4 | 48.2 | | 9.5 | | 53.2 | 52.5 | B | 8.8 | 44 | 39.0 | 16.0 | K | 9.5 | | 26.1 | 30.5 | |
| 9.3 | | 54.7 | 46.5 | | 8.7 | | 33.6 | 24.5 | K | 8.0 | 16 | 7.7 | 17.8 | Kb | 9.5 | 45 | 2.0 | 40.4 | | 9.3 | | 49.4 | 0.4 | B |
| 8.8 | 11 | 3.7 | 39.5 | B | 9.1 | 46 | 2.0 | 20.4 | K | 9.0 | | 9.2 | 47.6 | K | 9.3 | | 6.0 | 34.0 | | 9.5 | 16 | 22.1 | 3.4 | |
| 8.8 | | 47.0 | 43.5 | K | 8.6 | | 8.8 | 23.5 | K | 9.4 | | 21.9 | 4.6 | | 9.4 | | 36.0 | 6.6 | | 9.4 | | 26.7 | 3.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10 pr. | | 28.41 | 3.25 | | 10 pr. | | 26.93 | 3.09 | | 10 pr. | | 25.54 | 2.85 | | 10 pr. | | 24.61 | 2.63 | | 10 pr. | | 23.74 | 2.37 | |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵘ | | +36° | | | 15ᵘ—16ᵘ | | +36° | | | 16ᵘ | | +36° | | | 16ᵘ—17ᵘ | | +36° | | | 17ᵘ | | +36° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.1 | 17 | 41.8 | 49.7 | b | 9.3 | 48 | 12.2 | 48.4 | | 9.4 | 12 | 9.2 | 17.0 | | 9.5 | 42 | 10.5 | 52.3 | | 9.5 | 9 | 3.5 | 27.0 | |
| 9.1 | 18 | 11.7 | 38.2 | K | 9.3 | | 23.2 | 12.0 | | 7.3 | | 31.2 | 3.5 | L | 9.5 | | 24.4 | 23.5 | | 9.5 | | 13.1 | 4.8 | |
| 9.4 | 19 | 31.8 | 43.9 | | 9.5 | 49 | 59.8 | 38.3 | | 9.0 | 13 | 4.7 | 15.4 | | 7.3 | 43 | 30.0 | 10.5 | K | 7.8 | | 17.7 | 32.5 | K |
| 9.5 | 20 | 17.9 | 27.9 | | 9.0 | 50 | 22.5 | 32.8 | K | 9.5 | | 57.7 | 38.3 | | 8.4 | | 57.0 | 16.1 | K | 3.0 | 10 | 6.0 | 57.8 | K |
| 9.0 | | 47.6 | 7.3 | | 9.3 | | 46.0 | 0.2 | | 9.5 | 14 | 33.7 | 20.2 | | 9.0 | 44 | 6.5 | 42.3 | | 9.5 | 11 | 18.5 | 0.8 | |
| 9.4 | 21 | 17.1 | 58.5 | | 9.1 | 51 | 28.2 | 28.5 | | 9.5 | 15 | 17.8 | 50.0 | | 9.5 | | 17.8 | 10.5 | | 9.4 | | 26.0 | 36.6 | |
| 9.4 | | 40.4 | 12.8 | | 9.0 | | 30.8 | 37.8 | | 9.5 | | 44.2 | 50.0 | | 8.5 | | 57.0 | 17.5 | Kb | 8.8 | 12 | 14.4 | 30.0 | K |
| 9.3 | 22 | 57.8 | 39.1 | | 9.5 | | 34.9 | 41.8 | | 8.3 | 16 | 3.2 | 14.6 | L | 9.0 | 45 | 26.0 | 4.6 | K | 9.5 | | 30.2 | 21.7 | |
| 9.4 | | 59.0 | 4.2 | | 9.5 | | 56.2 | 12.0 | | 9.5 | | 7.0 | 33.7 | | 9.0 | | 34.0 | 18.2 | K | 7.5 | | 41.0 | 15.6 | K |
| 8.8 | 24 | 0.9 | 33.5 | | 9.5 | 52 | 47.0 | 25.7 | | 9.4 | | 10.5 | 44.8 | *B* | 9.1 | 46 | 22.2 | 40.2 | B | 9.3 | 13 | 46.5 | 39.8 | |
| 9.4 | | 33.0 | 37.0 | | 9.4 | | 59.5 | 46.7 | | 9.2 | | 19.3 | 51.5 | | 9.5 | | 56.1 | 8.4 | | 9.5 | 14 | 38.0 | 52.4 | |
| 8.8 | | 57.7 | 24.5 | | 8.8 | 53 | 6.4 | 25.8 | K | 9.4 | | 40.9 | 3.2 | | 9.3 | 47 | 36.5 | 43.0 | | 9.4 | 15 | 14.7 | 57.5 | |
| 9.4 | 25 | 59.5 | 3.3 | | 9.5 | | 29.0 | 21.8 | | 9.0 | | 58.7 | 35.2 | K | 8.8 | | 38.3 | 53.3 | | 8.0 | | 44.1 | 50.2 | K |
| 8.8 | 26 | 24.0 | 13.5 | | 9.5 | | 32.4 | 44.3 | | 9.3 | 19 | 15.3 | 3.5 | | 9.3 | | 51.5 | 8.0 | | 9.5 | | 47.5 | 7.3 | |
| 9.5 | 27 | 28.8 | 54.6 | | 9.5 | 54 | 9.8 | 35.3 | | 8.7 | | 19.2 | 21.5 | K | 9.0 | 48 | 42.1 | 14.9 | K | 9.4 | | 49.0 | 56.7 | |
| 9.5 | | 32.5 | 30.6 | | 9.0 | | 16.8 | 41.9 | K | 9.0 | | 19.2 | 51.2 | K | 9.3 | | 59.1 | 14.7 | B | 9.5 | | 54.9 | 12.3 | |
| 8.4 | | 56.8 | 25.5 | K | 9.5 | | 17.6 | 34.8 | | 9.5 | | 31.3 | 59.5 | | 8.8 | 49 | 22.6 | 54.8 | Kb | 8.0 | | 55.9 | 38.2 | L |
| 9.3 | 28 | 6.4 | 57.6 | K | 9.5 | | 29.9 | 14.7 | | 9.0 | | 52.2 | 14.5 | | 9.5 | | 50.9 | 11.4 | | 9.5 | 16 | 11.5 | 23.5 | |
| 9.0 | 29 | 11.4 | 41.1 | K | 9.3 | | 41.8 | 50.1 | | 9.4 | 21 | 13.7 | 28.4 | | 9.4 | | 54.9 | 38.1 | B | 9.5 | 17 | 7.7 | 16.2 | |
| 9.5 | | 53.2 | 16.3 | | 9.2 | 55 | 4.6 | 22.0 | Bb | 9.3 | | 43.0 | 19.3 | | 9.5 | 50 | 24.5 | 23.0 | | 9.3 | | 15.2 | 35.6 | |
| 8.5 | | 57.1 | 41.7 | L | 9.4 | | 4.9 | 17.0 | B | 9.3 | | 57.2 | 20.1 | | 9.3 | 51 | 14.3 | 47.4 | *B* | 9.5 | | 22.8 | 49.0 | |
| 8.2 | 30 | 18.8 | 24.4 | K | 9.3 | | 29.7 | 23.6 | B | 9.4 | 22 | 2.7 | 46.0 | *b* | 8.6 | 52 | 0.4 | 57.1 | K | 9.0 | | 51.3 | 54.9 | K |
| 7.5 | | 42.7 | 12.0 | K | 9.5 | | 43.1 | 10.6 | | 9.5 | | 59.6 | 58.0 | | 9.2 | | 3.3 | 42.4 | Bb | 9.3 | 18 | 1.3 | 39.4 | |
| 9.0 | 32 | 6.4 | 33.1 | K | 9.5 | 56 | 38.9 | 51.0 | | 9.2 | 25 | 52.4 | 34.8 | *b* | 9.5 | | 4.8 | 0.3 | | 9.2 | | 9.1 | 33.7 | |
| 8.8 | | 12.1 | 45.9 | K | 9.2 | 58 | 30.8 | 2.8 | | 9.4 | 26 | 10.5 | 40.8 | B | 9.3 | | 40.5 | 14.6 | | 9.2 | | 45.1 | 14.0 | |
| 7.5 | | 45.1 | 43.0 | K | 9.3 | 59 | 3.0 | 48.0 | K | 9.3 | 28 | 2.2 | 1.7 | | 9.4 | | 41.0 | 38.3 | | 8.3 | | 50.0 | 34.9 | K |
| 9.4 | | 53.8 | 22.8 | | 9.5 | 0 | 2.1 | 19.1 | | 8.3 | | 3.7 | 45.3 | K | 9.4 | 53 | 31.7 | 9.0 | B | 9.3 | 19 | 1.0 | 12.1 | |
| 9.5 | 33 | 24.3 | 9.5 | | 9.4 | | 5.6 | 1.8 | B | 9.5 | | 20.9 | 56.4 | | 9.0 | 54 | 26.7 | 3.5 | | 9.5 | | 59.5 | 47.1 | |
| 9.3 | 34 | 7.5 | 7.8 | K | 7.5 | | 29.0 | 54.6 | K | 8.5 | | 32.9 | 29.8 | K | 9.3 | | 29.5 | 20.4 | | 9.5 | 20 | 46.4 | 59.4 | |
| 9.0 | | 37.1 | 58.3 | K | 8.6 | | 34.5 | 59.0 | K | 9.0 | 29 | 23.5 | 43.0 | K | 9.5 | | 30.3 | 43.4 | | 9.5 | 21 | 49.6 | 6.1 | |
| 9.5 | 35 | 23.8 | 21.5 | | 9.0 | 1 | 12.3 | 57.1 | K | 9.5 | | 58.8 | 24.4 | | 9.5 | | 31.5 | 34.6 | | 9.2 | 22 | 25.8 | 57.3 | *b* |
| 9.5 | | 49.4 | 42.0 | | 9.5 | | 24.8 | 28.0 | | 9.5 | 30 | 3.0 | 32.0 | | 9.3 | 55 | 3.7 | 30.0 | | 8.4 | | 44.8 | 37.4 | K |
| 9.0 | 36 | 11.6 | 27.4 | K | 9.0 | 2 | 17.1 | 14.4 | K | 9.0 | | 25.9 | 29.1 | K | 8.0 | 56 | 3.7 | 21.0 | B | 8.8 | | 44.8 | 12.3 | |
| 8.7 | | 17.4 | 54.1 | K | 9.2 | | 23.2 | 19.4 | K | 8.3 | | 39.5 | 21.9 | K | 8.8 | | 28.5 | 11.3 | | 9.5 | 23 | 20.7 | 34.6 | |
| 9.5 | 37 | 18.1 | 1.3 | | 9.5 | | 46.7 | 8.9 | | 9.3 | | 59.4 | 51.5 | | 9.5 | | 37.9 | 55.0 | | 9.4 | 24 | 1.2 | 58.4 | |
| 9.4 | | 25.4 | 44.9 | | 9.5 | | 47.0 | 44.6 | | 7.5 | 31 | 19.0 | 19.6 | K | 9.3 | | 44.0 | 44.4 | | 9.3 | | 13.5 | 6.7 | |
| 9.5 | | 25.8 | 4.0 | | 9.5 | 3 | 3.8 | 38.3 | | 9.5 | 32 | 7.5 | 52.0 | | 9.5 | | 56.5 | 18.4 | | 9.4 | | 14.3 | 29.4 | |
| 9.5 | | 35.4 | 30.0 | | 8.9 | | 26.4 | 4.8 | | 9.2 | | 48.1 | 9.4 | | 9.3 | 57 | 9.5 | 35.6 | | 9.0 | | 21.6 | 6.1 | |
| 9.5 | 39 | 10.4 | 50.3 | | 5.0 | | 41.0 | 51.4 | K | 9.5 | 33 | 5.2 | 3.6 | | 9.5 | 58 | 22.6 | 52.0 | | 8.9 | | 22.3 | 30.4 | |
| 9.1 | | 15.3 | 1.4 | b | 9.0 | | 50.1 | 3.4 | | 9.4 | | 17.6 | 1.3 | | 9.4 | | 28.8 | 54.3 | B | 9.1 | | 26.5 | 54.9 | b |
| 9.5 | | 28.2 | 23.8 | | 9.4 | 4 | 42.1 | 26.2 | | 8.5 | | 23.1 | 11.1 | | 9.0 | | 30.7 | 7.6 | | 9.5 | 26 | 0.4 | 24.6 | |
| 9.3 | | 45.9 | 5.6 | | 9.5 | | 42.5 | 22.0 | B | 9.1 | 34 | 16.0 | 33.3 | *B* | 9.4 | | 40.0 | 14.5 | | 9.0 | | 1.0 | 16.7 | |
| 8.3 | 40 | 27.1 | 51.8 | K | 9.5 | 5 | 13.8 | 44.7 | | 9.3 | | 21.0 | 39.7 | | 7.8 | 59 | 11.1 | 57.0 | Kb | 9.3 | | 20.1 | 41.2 | |
| 8.7 | | 58.0 | 54.0 | Kb | 8.0 | | 53.1 | 23.5 | K | 9.0 | | 23.0 | 47.0 | K | 9.2 | 0 | 21.2 | 59.0 | K | 8.0 | | 21.7 | 39.4 | K |
| 7.6 | | 59.5 | 53.5 | K | 9.5 | 6 | 2.0 | 20.6 | | 9.5 | 35 | 2.7 | 2.5 | | 9.4 | | 42.5 | 38.2 | | 9.5 | | 31.5 | 7.7 | |
| 9.3 | 41 | 6.9 | 58.5 | | 6.2 | | 30.6 | 48.2 | L | 9.4 | | 45.3 | 46.0 | | 9.5 | 1 | 3.5 | 56.6 | | 8.6 | | 36.1 | 53.9 | K |
| 9.5 | | 43.4 | 27.0 | | 9.3 | 7 | 43.7 | 39.8 | | 7.8 | | 53.5 | 27.8 | K | 5.5 | 2 | 53.9 | 8.0 | L | 9.3 | | 38.3 | 10.4 | |
| 9.2 | 42 | 4.4 | 48.5 | B | 9.5 | | 50.5 | 2.1 | | neb | 36 | 28.8 | 44.4 | *B* | 9.4 | | 55.5 | 0.2 | B | 9.5 | | 49.5 | 12.2 | |
| 9.5 | | 56.9 | 29.0 | | 9.3 | | 56.7 | 20.5 | | 9.5 | | 43.9 | 25.3 | | 9.4 | 3 | 1.7 | 6.9 | | 9.0 | | 53.0 | 23.3 | |
| 9.5 | 43 | 49.2 | 35.0 | b | 9.5 | | 57.9 | 40.0 | | 9.3 | | 50.2 | 12.5 | | 9.0 | | 5.8 | 1.6 | B | 9.0 | 27 | 14.8 | 19.8 | |
| 9.5 | 44 | 34.8 | 0.0 | | 9.5 | 9 | 38.5 | 11.7 | | 9.4 | 37 | 0.5 | 22.3 | B | 9.5 | 4 | 16.2 | 40.2 | | 8.8 | | 20.0 | 53.8 | K |
| 5.0 | 45 | 44.5 | 6.7 | Kb | 9.4 | 10 | 13.7 | 30.8 | | 7.7 | | 56.0 | 47.4 | L | 9.5 | | 51.9 | 41.2 | | 9.0 | | 20.2 | 22.8 | |
| 9.5 | 46 | 33.0 | 6.8 | | 8.3 | | 21.8 | 0.2 | K | 8.5 | 38 | 30.5 | 38.6 | K | 9.3 | 5 | 30.0 | 52.2 | | 9.3 | | 38.8 | 43.8 | |
| 9.5 | | 46.1 | 24.7 | | 7.0 | | 34.8 | 55.1 | K | 9.5 | | 58.3 | 8.6 | | 9.5 | 6 | 6.4 | 7.5 | b | 9.2 | 28 | 0.7 | 6.8 | |
| 9.5 | | 58.5 | 11.7 | | 7.9 | | 36.9 | 14.1 | B | 9.1 | 39 | 20.5 | 31.4 | K | 9.5 | 7 | 7.4 | 19.9 | | 9.5 | | 12.8 | 58.4 | |
| 9.5 | 47 | 1.2 | 24.7 | | 9.5 | | 53.2 | 18.4 | | 8.8 | | 36.7 | 2.7 | K | 9.5 | | 36.7 | 6.2 | | 9.1 | | 16.7 | 52.4 | |
| 9.5 | | 10.8 | 35.7 | | 8.6 | 11 | 2.0 | 26.9 | L | 9.3 | | 59.0 | 39.0 | | 9.5 | | 39.5 | 56.8 | | 8.7 | | 27.6 | 48.1 | K |
| 9.2 | | 41.4 | 44.6 | K | 8.3 | | 26.7 | 52.1 | L | 9.5 | 40 | 19.0 | 15.3 | | 9.1 | 8 | 0.2 | 46.6 | b | 9.1 | 30 | 1.5 | 35.2 | b |
| 9.3 | | 53.8 | 10.6 | | 8.9 | | 37.8 | 14.0 | Kb | 8.4 | 41 | 6.4 | 57.4 | K | 9.4 | | 14.6 | 43.4 | | 9.1 | | 3.4 | 30.5 | |
| 9.4 | 48 | 8.4 | 33.6 | | 8.6 | | 51.6 | 3.2 | K | 9.0 | | 14.5 | 14.7 | | 8.9 | | 48.0 | 52.6 | | 9.2 | | 17.5 | 4.9 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10 pr.* | | *22.14* | *1.97* | | *10 pr.* | | *22.13* | *1.66* | | *10 pr.* | | *21.59* | *1.28* | | *10 pr.* | | *21.23* | *0.95* | | *10 pr.* | | *20.97* | *0.55* | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ | | +36° | | | 17ᵘ—18ᵘ | | +36° | | | 18ᵘ | | +36° | | | 18ᵘ | | +36° | | | 18ᵘ | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.4 | 30 | 20.2 | 11.9 | K | 9.5 | 47 | 5.5 | 30.1 | | 9.4 | 2 | 12.3 | 51.8 | | 9.2 | 12 | 28.8 | 23.5 | K | 9.2 | 23 | 14.2 | 54.9 | K |
| 9.5 | | 38.1 | 52.4 | | 8.7 | | 13.0 | 20.1 | | 9.5 | | 33.4 | 16.0 | | 9.5 | | 52.7 | 18.7 | | 9.5 | | 24.4 | 14.4 | |
| 9.0 | 31 | 32.8 | 8.9 | K | 8.9 | | 15.0 | 58.0 | | 9.1 | | 37.5 | 38.7 | | 9.5 | 13 | 11.8 | 14.9 | B | 9.4 | | 27.5 | 33.4 | |
| 8.6 | | 42.5 | 2.9 | K | 9.1 | | 15.8 | 26.3 | | 9.0 | | 37.5 | 27.7 | K | 9.5 | | 18.1 | 21.4 | | 9.5 | | 35.3 | 55.4 | |
| 9.5 | 32 | 24.5 | 25.0 | | 9.0 | | 41.4 | 13.5 | | 9.0 | | 48.7 | 27.3 | K | 9.2 | | 23.2 | 3.5 | | 9.5 | | 38.1 | 14.6 | |
| 9.3 | | 33.7 | 56.2 | | 8.3 | 48 | 11.2 | 6.3 | S | 9.0 | | 58.9 | 40.5 | | 9.3 | | 26.3 | 46.0 | | 9.4 | | 48.5 | 20.1 | B |
| 9.5 | | 51.9 | 40.5 | | 9.0 | | 19.7 | 30.1 | | 5.9 | 3 | 1.0 | 23.3 | K | 9.5 | | 34.8 | 37.4 | | 9.5 | | 50.0 | 16.4 | |
| 9.5 | | 55.7 | 27.5 | | 9.0 | | 27.0 | 0.8 | | 9.2 | | 12.8 | 38.4 | | 9.2 | | 35.2 | 11.4 | | 9.5 | 24 | 2.5 | 33.1 | |
| 9.5 | 33 | 0.2 | 35.0 | | 8.5 | | 28.1 | 12.9 | K | 9.4 | | 13.3 | 54.0 | | 8.9 | | 54.4 | 29.7 | | 9.5 | | 8.8 | 38.0 | |
| 9.0 | | 4.0 | 55.6 | K | 8.8 | 49 | 5.8 | 6.7 | K | 9.3 | | 32.8 | 26.3 | | 8.9 | | 54.9 | 33.7 | | 9.5 | | 10.8 | 53.0 | |
| 9.0 | | 12.1 | 9.1 | | 9.5 | | 40.5 | 2.1 | | 9.3 | | 33.5 | 48.0 | | 8.8 | 14 | 4.9 | 0.0 | | 9.5 | | 37.7 | 42.0 | |
| 7.0 | | 17.5 | 49.8 | K | 9.5 | | 41.8 | 11.5 | | 9.5 | | 43.6 | 19.0 | | 9.0 | | 38.0 | 33.5 | | 9.4 | | 39.9 | 59.2 | |
| 9.5 | | 19.0 | 22.7 | | 9.3 | 50 | 4.5 | 40.7 | | 9.5 | | 59.0 | 52.3 | | 9.4 | | 41.9 | 43.6 | | 9.5 | | 58.7 | 33.4 | |
| 8.6 | | 39.1 | 57.1 | K | 8.8 | | 5.7 | 7.0 | | 9.5 | 4 | 2.0 | 50.6 | | 4.7 | | 47.1 | 0.1 | Kb | 8.0 | 25 | 1.6 | 57.6 | K |
| 9.2 | | 41.6 | 2.9 | | 7.5 | | 21.6 | 11.5 | K | 8.7 | | 17.4 | 3.1 | | 9.2 | | 47.7 | 51.5 | | 9.5 | | 1.8 | 29.7 | B |
| 8.5 | | 59.3 | 33.9 | K | 9.0 | 51 | 11.5 | 51.1 | K | 8.0 | | 24.7 | 29.6 | K | 9.1 | | 54.4 | 10.0 | | 9.0 | | 9.2 | 42.0 | |
| 9.0 | 35 | 0.8 | 45.6 | | 8.5 | | 21.6 | 6.1 | | 9.4 | | 35.3 | 7.8 | | 8.8 | | 58.6 | 36.9 | K | 7.5 | | 30.1 | 9.1 | L |
| 8.6 | | 3.5 | 3.1 | K | 8.6 | | 56.8 | 35.5 | | 9.2 | | 44.9 | 58.3 | b | 9.0 | 15 | 46.2 | 34.7 | K | 9.2 | | 31.7 | 1.9 | |
| 9.0 | | 46.8 | 12.9 | | 7.3 | 52 | 9.3 | 52.5 | K | 6.0 | | 56.6 | 26.2 | K | 8.9 | | 56.0 | 26.3 | K | 8.7 | | 33.2 | 13.5 | |
| 9.5 | 36 | 4.5 | 19.4 | | 9.5 | | 24.4 | 50.8 | | 9.5 | 5 | 44.1 | 45.2 | | 8.1 | 16 | 14.8 | 52.7 | K | 9.0 | | 49.3 | 26.8 | |
| 9.2 | | 5.4 | 26.0 | | 8.8 | | 31.0 | 12.3 | | 8.7 | | 58.5 | 37.0 | | 7.2 | 17 | 4.2 | 14.0 | L | 9.0 | | 57.4 | 29.2 | |
| 8.8 | | 23.0 | 43.9 | K | 9.5 | | 42.2 | 21.6 | | 9.5 | 6 | 16.8 | 12.5 | | 9.2 | | 9.6 | 18.9 | | 9.0 | | 59.2 | 12.9 | K |
| 8.5 | | 46.5 | 29.1 | | 9.3 | | 49.8 | 44.9 | | 9.5 | | 17.5 | 22.6 | | 9.5 | | 18.5 | 2.3 | | 9.5 | 26 | 6.7 | 51.9 | |
| 9.2 | 37 | 1.4 | 6.8 | | 9.5 | 53 | 20.0 | 43.5 | | 9.5 | | 18.7 | 40.1 | | 7.3 | | 24.0 | 50.2 | K | 9.4 | | 18.3 | 58.4 | |
| 9.3 | | 2.2 | 34.6 | | 7.0 | | 26.6 | 52.7 | K | 9.5 | | 32.0 | 25.5 | | 9.0 | | 33.7 | 33.7 | | 9.4 | | 51.1 | 6.5 | |
| 8.8 | | 4.5 | 25.0 | | 6.0 | | 39.4 | 17.4 | K | 9.5 | | 53.6 | 34.1 | | 9.5 | | 40.4 | 15.9 | | 9.3 | 27 | 8.6 | 48.2 | |
| 9.1 | | 18.0 | 9.5 | | 9.0 | | 45.1 | 59.4 | K | 9.4 | | 57.4 | 49.5 | | 9.0 | | 49.1 | 11.7 | | 7.7 | | 13.2 | 19.5 | K |
| 9.0 | | 20.5 | 9.0 | | 9.5 | | 53.5 | 52.2 | | 9.3 | 7 | 3.1 | 5.7 | | 9.5 | | 57.2 | 50.2 | | *var* | | 19.4 | 53.1 | |
| 9.5 | | 49.2 | 17.4 | | 9.1 | 54 | 24.5 | 5.4 | Kb | 9.5 | | 16.5 | 10.5 | | 9.1 | 18 | 15.8 | 8.2 | B | 9.5 | | 21.1 | 41.7 | |
| 9.5 | 38 | 5.5 | 47.0 | | 9.1 | | 54.8 | 44.1 | | 9.5 | | 18.0 | 15.2 | | 9.5 | | 22.5 | 3.7 | | 8.3 | | 25.5 | 33.8 | |
| 9.5 | | 44.8 | 59.1 | | 8.9 | 55 | 1.0 | 4.4 | K | 9.4 | | 24.4 | 41.0 | | 9.5 | | 37.3 | 26.7 | | 9.3 | | 29.8 | 1.4 | |
| 9.5 | 39 | 4.9 | 26.6 | | 9.3 | | 10.3 | 36.6 | | 9.1 | | 34.8 | 54.3 | | 9.5 | 19 | 8.6 | 14.3 | | 9.3 | | 33.7 | 1.6 | |
| 9.5 | | 51.1 | 3.3 | | 9.5 | | 15.7 | 51.3 | | 9.5 | | 40.3 | 2.3 | | 9.5 | | 8.6 | 30.9 | | 9.2 | | 39.9 | 21.5 | K |
| 9.4 | 40 | 43.2 | 7.0 | | 9.1 | | 29.0 | 56.3 | K | 9.0 | 8 | 0.1 | 55.5 | | 8.9 | | 11.1 | 4.5 | K | 9.2 | | 43.3 | 17.3 | K |
| 9.5 | | 46.8 | 56.7 | | 9.3 | | 37.2 | 16.6 | | 8.5 | | 18.7 | 6.9 | K | 9.5 | | 11.5 | 3.0 | | 9.3 | | 43.8 | 57.3 | |
| 9.3 | 41 | 1.5 | 15.0 | | 9.5 | 56 | 3.1 | 57.3 | | 9.5 | | 25.2 | 23.2 | | 9.5 | | 38.2 | 38.5 | | 9.3 | | 53.7 | 6.2 | |
| 6.5 | | 48.5 | 8.1 | R | 9.5 | | 51.4 | 2.5 | | 9.0 | | 29.8 | 56.6 | | 9.0 | | 43.9 | 51.3 | K | 9.4 | | 54.5 | 16.8 | B |
| 9.5 | 42 | 37.8 | 19.7 | | 9.3 | | 52.2 | 20.6 | | 9.3 | | 33.9 | 39.6 | | 9.5 | | 56.6 | 57.9 | | 9.1 | | 56.3 | 55.9 | |
| 7.2 | | 49.5 | 3.5 | K | 9.5 | 57 | 11.3 | 37.4 | | 8.6 | | 47.1 | 34.9 | | 9.4 | 20 | 22.4 | 53.2 | | 9.5 | 28 | 4.2 | 13.3 | |
| 9.5 | | 53.0 | 45.0 | | 9.5 | | 29.8 | 43.5 | | 9.5 | | 52.5 | 36.6 | | 9.3 | | 29.1 | 18.2 | | 9.5 | | 21.7 | 52.6 | |
| 8.0 | | 53.7 | 9.9 | K | 9.3 | | 45.2 | 27.0 | | 9.5 | 9 | 2.1 | 25.0 | B | 9.4 | | 34.5 | 53.2 | | 9.5 | | 26.2 | 10.1 | |
| 6.5 | | 55.2 | 36.3 | | 7.2 | 58 | 2.5 | 7.0 | b | 8.5 | | 3.4 | 8.9 | K | 9.5 | | 37.7 | 26.8 | | 8.6 | | 34.2 | 15.3 | K |
| 8.1 | | 58.3 | 12.5 | K | 9.5 | | 3.6 | 11.7 | | 9.4 | | 22.0 | 33.6 | | 9.5 | | 44.7 | 53.2 | | 9.5 | | 48.6 | 43.7 | |
| 9.2 | 43 | 1.0 | 7.8 | | 9.5 | | 20.0 | 15.0 | | 8.1 | | 48.6 | 20.3 | Kb | 8.9 | | 47.8 | 14.4 | | 9.5 | | 52.9 | 34.6 | |
| 9.5 | | 11.8 | 40.2 | | 9.4 | | 29.5 | 20.8 | | 9.3 | | 50.0 | 31.2 | | 9.5 | | 59.0 | 23.6 | | 9.5 | 29 | 1.1 | 2.3 | |
| 9.3 | | 17.5 | 33.2 | | 9.3 | | 30.8 | 8.5 | | *var* | | 54.2 | 37.4 | | 9.5 | 21 | 17.6 | 11.6 | | 8.0 | | 5.3 | 7.7 | *B* |
| 9.5 | | 18.5 | 7.8 | | 9.5 | | 49.2 | 47.2 | | 8.3 | 10 | 16.5 | 43.6 | K | 9.4 | | 21.5 | 52.8 | | 9.0 | | 11.7 | 21.0 | K |
| 8.6 | | 47.6 | 37.0 | | 8.1 | | 51.2 | 23.5 | | 9.4 | | 19.3 | 9.9 | | 8.3 | | 29.3 | 21.7 | | 9.5 | | 20.0 | 57.3 | |
| 8.9 | | 48.4 | 58.0 | | 8.3 | 59 | 20.5 | 48.4 | K | 9.0 | | 27.6 | 14.9 | K | 8.6 | | 33.5 | 36.8 | | 7.6 | | 28.4 | 0.9 | *B* |
| 9.0 | 44 | 13.0 | 42.2 | | 9.3 | | 21.1 | 43.0 | | 9.4 | | 36.2 | 54.4 | | 7.7 | | 36.5 | 4.8 | B | 8.0 | | 29.2 | 12.8 | *B* |
| 9.5 | | 30.8 | 51.8 | | 9.4 | | 22.3 | 3.9 | | 9.3 | | 43.1 | 55.6 | | 9.5 | | 47.1 | 28.9 | | 9.3 | | 50.6 | 22.4 | |
| 9.5 | | 31.9 | 59.3 | | 9.5 | | 47.5 | 55.3 | | 9.4 | | 51.9 | 22.2 | | 8.5 | | 47.6 | 30.1 | | 9.1 | 30 | 5.4 | 23.9 | |
| 7.8 | | 38.4 | 26.7 | | 9.1 | | 58.3 | 37.4 | K | 9.4 | | 52.8 | 36.0 | | 9.3 | 22 | 3.8 | 24.7 | | 8.6 | | 6.3 | 24.6 | K |
| 9.0 | | 41.0 | 8.0 | | 8.5 | 0 | 31.8 | 17.0 | | 9.5 | 11 | 3.8 | 53.9 | | 7.8 | | 5.0 | 35.0 | *B* | 9.3 | | 13.4 | 42.5 | |
| 9.5 | 45 | 30.5 | 36.3 | | 9.5 | 1 | 2.0 | 39.4 | | 9.3 | | 10.4 | 59.9 | | 9.3 | | 10.2 | 43.6 | | 9.5 | | 14.2 | 49.7 | |
| 7.0 | | 31.3 | 52.9 | K | 9.3 | | 8.8 | 53.2 | | 8.7 | | 13.5 | 22.5 | K | 9.5 | | 22.4 | 30.6 | | 9.5 | | 34.1 | 23.2 | |
| 9.5 | | 46.1 | 1.7 | | 9.5 | | 16.8 | 46.6 | | 9.5 | | 33.7 | 19.3 | *a* | 9.5 | | 32.3 | 10.6 | | 9.3 | | 36.8 | 2.4 | |
| 9.5 | 46 | 28.8 | 27.0 | | 9.3 | 2 | 1.5 | 38.4 | | 8.9 | | 39.4 | 19 7 | | 9.5 | | 36.4 | 58.8 | | 9.5 | | 37.6 | 10.1 | |
| 9.3 | | 27.5 | 20.5 | | 7.9 | | 2.2 | 23.6 | Kb | 8.1 | | 43.1 | 58.8 | K | 9.3 | | 41.1 | 16.8 | | 9.5 | | 41.3 | 56.6 | |
| 8.7 | | 48.0 | 57.1 | K | 8.8 | | 3.2 | 17.0 | | 9.3 | 12 | 14.2 | 59.9 | | 9.4 | | 54.0 | 42.8 | | 8.5 | | 48.7 | 48.6 | K |
| | | + | — | | | | + | — | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *20.87* | *0.31* | | *10 pr.* | | *20.83* | *0.08* | | *10. pr.* | | *20.83* | *0.11* | | *10 pr.* | | *20.86* | *0.27* | | *10 pr.* | | *20.90* | *0.40* | |

| m | 3201—3260 18ᵘ | +36° | | m | 3261—3320 18ᵘ | +36° | | m | 3321—3380 18ᵘ | +36° | | m | 3381—3440 18ᵘ—19ᵘ | +36° | | m | 3441—3500 19ᵘ | +36° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 30′ 56.3 | 12.5 | | 8.3 | 40′ 51.4 | 33.4 | K | 9.5 | 49′ 44.4 | 38.4 | | 9.5 | 57′ 50.8 | 3.6 | | 8.6 | 7′ 36.4 | 17.1 | |
| 7.2 | 31 5.4 | 50.6 | K | 9.3 | 41 18.0 | 15.3 | | 9.5 | 46.4 | 58.0 | | 8.8 | 58 12.9 | 11.5 | R | 9.3 | 37.2 | 28.5 | B |
| 8.9 | 12.5 | 29.6 | | 9.3 | 19.5 | 35.3 | | 9.3 | 56.0 | 0.3 | | 9.2 | 15.2 | 15.8 | | 8.5 | 37.8 | 8.5 | |
| 9.0 | 19.5 | 19.5 | K | 9.5 | 31.7 | 4.9 | | 8.1 | 50 4.0 | 33.3 | K | 9.4 | 18.9 | 33.3 | B | 9.4 | 39.4 | 32.8 | |
| 9.5 | 38.3 | 45.0 | | 9.4 | 34.8 | 21.7 | | 8.8 | 4.1 | 11.6 | | 9.5 | 25.3 | 37.0 | | 8.1 | 44.1 | 40.6 | B |
| 9.5 | 42.7 | 22.3 | | 9.0 | 42 1.4 | 46.6 | | 9.5 | 10.2 | 3.5 | | 9.0 | 29.1 | 52.3 | | 8.4 | 56.6 | 5.5 | B |
| 9.5 | 49.5 | 41.3 | | 9.5 | 25.2 | 37.0 | | 9.0 | 19.7 | 35.5 | R | 9.0 | 35.2 | 41.8 | B | 9.4 | 58.5 | 27.0 | |
| 9.5 | 50.3 | 18.5 | | 9.1 | 31.1 | 6.8 | | 9.0 | 20.3 | 55.3 | | 9.4 | 35.3 | 42.2 | | 9.5 | 8 1.3 | 21.2 | |
| 9.5 | 56.4 | 25.2 | | 9.1 | 37.3 | 53.0 | | 9.5 | 23.5 | 22.8 | | 8.1 | 53.7 | 27.1 | B | 9.1 | 1.6 | 34.2 | |
| 9.4 | 56.8 | 55.5 | | 7.4 | 43 0.8 | 55.0 | L | 9.5 | 46.9 | 13.2 | | 9.5 | 59 11.4 | 4.6 | | 9.4 | 6.5 | 3.0 | |
| 9.3 | 32 4.6 | 3.0 | | 8.5 | 17.1 | 2.1 | B | 9.5 | 51 3.8 | 18.6 | | 9.2 | 17.0 | 29.4 | | 8.6 | 11.6 | 16.2 | |
| 9.3 | 9.9 | 37.5 | | 7.2 | 22.9 | 16.6 | K | 9.5 | 12.1 | 38.5 | | 9.5 | 42.2 | 42.0 | | 9.4 | 11.8 | 45.4 | |
| 9.5 | 27.4 | 28.9 | | 9.4 | 35.0 | 29.9 | | 9.5 | 12.7 | 27.5 | | 9.5 | 58.8 | 29.6 | | 9.5 | 13.0 | 7.6 | |
| 9.5 | 41.5 | 32.2 | | 8.8 | 38.8 | 25.0 | K | 9.5 | 24.8 | 22.8 | | 9.5 | 0 11.7 | 51.3 | | 9.4 | 25.2 | 8.0 | |
| 9.4 | 48.0 | 13.1 | | 9.5 | 40.7 | 52.2 | | 9.4 | 28.6 | 0.1 | | 8.2 | 18.8 | 43.2 | B | 9.2 | 28.1 | 41.7 | |
| 9.4 | 51.4 | 45.3 | | 9.5 | 52.0 | 49.1 | B | 9.5 | 32.6 | 47.1 | | 9.4 | 19.3 | 42.2 | | 8.2 | 32.0 | 3.9 | B |
| 9.5 | 54.8 | 58.8 | | 9.0 | 58.6 | 37.1 | | 9.5 | 49.0 | 31.4 | | 8.5 | 21.1 | 48.1 | | 8.6 | 36.6 | 25.7 | |
| 9.5 | 57.7 | 44.3 | | 9.5 | 44 6.5 | 52.9 | | 9.5 | 55.8 | 24.0 | | 9.5 | 23.6 | 31.7 | | 6.9 | 42.0 | 10.4 | L |
| 9.0 | 33 4.4 | 39.6 | | 9.2 | 10.4 | 18.1 | | 7.0 | 52 3.9 | 16.7 | K | 9.5 | 26.8 | 48.1 | | 9.2 | 44.5 | 40.1 | |
| 9.1 | 8.0 | 12.2 | | 9.2 | 38.4 | 40.6 | | 9.5 | 6.7 | 53.0 | | 9.5 | 57.5 | 9.1 | | 9.2 | 44.8 | 8.4 | |
| 9.2 | 56.1 | 4.2 | | 8.0 | 40.1 | 30.6 | K | 9.5 | 11.8 | 56.3 | | 9.3 | 58.4 | 20.3 | | 9.5 | 9 3.1 | 30.4 | |
| 9.0 | 34 4.7 | 5.2 | | 9.3 | 45.8 | 5.6 | | 9.5 | 32.2 | 19.3 | | 9.5 | 1 20.6 | 44.4 | B | 9.5 | 6.4 | 44.5 | |
| 9.2 | 15.2 | 39.8 | b | 9.5 | 58.3 | 13.3 | | 8.6 | 47.8 | 39.9 | | 9.5 | 42.5 | 28.8 | | 9.5 | 10.3 | 6.3 | |
| 9.3 | 45.9 | 11.6 | | 9.5 | 45 8.9 | 49.1 | | 9.5 | 49.8 | 51.2 | | 9.5 | 45.2 | 18.2 | | 8.7 | 15.6 | 4.6 | |
| 9.4 | 35 16.1 | 18.1 | | 9.4 | 18.0 | 3.9 | | 8.0 | 57.2 | 24.6 | L | 8.4 | 2 18.0 | 53.7 | K | 9.2 | 17.3 | 38.3 | |
| 9.5 | 29.4 | 0.8 | | 9.5 | 20.1 | 36.1 | | 9.4 | 53 1.7 | 21.6 | | 8.2 | 18.5 | 1.9 | K | 7.7 | 35.4 | 44.5 | K |
| 9.5 | 35.7 | 29.7 | | 9.4 | 42.5 | 39.6 | R | 9.5 | 2.0 | 34.3 | | 8.5 | 25.1 | 53.7 | K | 9.4 | 46.3 | 17.7 | |
| 9.5 | 46.8 | 59.1 | | 9.4 | 50.2 | 52.7 | | 8.0 | 18.7 | 13.7 | K | 9.4 | 27.9 | 7.4 | | 9.5 | 47.2 | 14.7 | |
| 9.0 | 50.3 | 38.1 | | 9.5 | 53.8 | 8.0 | | 9.4 | 19.4 | 24.2 | | 9.5 | 39.3 | 19.6 | | 9.5 | 58.3 | 35.1 | |
| 9.5 | 36 0.6 | 12.9 | | 9.2 | 46 6.0 | 8.3 | | 9.5 | 27.6 | 29.2 | | 9.5 | 44.2 | 41.2 | | 9.5 | 10 15.3 | 28.9 | |
| 9.0 | 7.3 | 18.4 | | 9.0 | 10.3 | 58.5 | | 9.4 | 44.9 | 50.6 | | 9.5 | 55.3 | 6.9 | | 9.5 | 30.2 | 6.0 | |
| 8.7 | 11.1 | 19.1 | | 9.2 | 22.4 | 2.7 | | 8.9 | 48.9 | 41.6 | | 9.3 | 3 0.0 | 32.9 | | 9.5 | 47.8 | 7.0 | |
| 9.1 | 30.8 | 34.3 | | 9.4 | 28.5 | 38.3 | | 9.5 | 56.6 | 42.9 | | 9.3 | 5.4 | 10.8 | | 9.5 | 52.3 | 28.6 | |
| 9.5 | 42.0 | 57.7 | | 9.5 | 29.7 | 23.5 | | 9.4 | 56.7 | 24.7 | | 9.4 | 26.4 | 53.4 | | 8.9 | 52.6 | 42.2 | K |
| 9.0 | 50.7 | 20.3 | | 6.3 | 32.2 | 22.2 | K | 9.4 | 54 2.5 | 3.9 | | 9.4 | 27.0 | 33.2 | | 9.4 | 57.8 | 13.6 | |
| 8.5 | 53.3 | 35.9 | L | 9.5 | 46.6 | 42.5 | | 9.5 | 4.4 | 54.1 | | 9.5 | 37.4 | 9.3 | | 9.5 | 11 0.7 | 5.9 | |
| 8.8 | 37 11.8 | 43.5 | B | 9.4 | 47 7.7 | 36.4 | B | 9.5 | 23.0 | 43.9 | | 9.5 | 44.1 | 31.1 | | 8.5 | 9.5 | 20.6 | B |
| 8.8 | 12.4 | 7.9 | | 9.5 | 17.2 | 19.1 | | 8.8 | 32.1 | 53.3 | K | 9.4 | 46.1 | 0.5 | | 9.3 | 14.4 | 34.0 | B |
| 7.0 | 17.3 | 24.7 | L | 9.5 | 35.4 | 59.7 | | 9.4 | 33.6 | 22.0 | | 9.2 | 53.7 | 55.4 | K | 9.5 | 14.8 | 17.8 | |
| 9.5 | 23.7 | 48.2 | | 9.2 | 35.5 | 34.3 | K | 8.8 | 35.5 | 20.9 | K | 9.2 | 56.5 | 21.0 | b | 9.3 | 26.7 | 49.4 | |
| 8.1 | 26.4 | 47.2 | K | 8.8 | 37.6 | 9.1 | | 9.5 | 36.3 | 20.3 | | 9.5 | 59.8 | 15.9 | | 8.9 | 33.1 | 14.8 | |
| 9.5 | 35.2 | 14.3 | | 8.6 | 46.1 | 3.2 | | 9.1 | 42.7 | 13.5 | | 9.5 | 4 3.4 | 34.0 | | 9.5 | 34.3 | 24.8 | |
| 7.5 | 48.6 | 49.4 | Kb | 8.8 | 52.3 | 10.6 | | 9.0 | 57.7 | 46.4 | K | 9.1 | 7.7 | 45.6 | | 9.5 | 45.5 | 56.8 | |
| 9.1 | 56.0 | 16.8 | | 9.1 | 48 4.8 | 30.8 | | 9.5 | 55 6.5 | 7.4 | | 9.4 | 31.9 | 22.1 | | 9.5 | 58.0 | 9.2 | |
| 9.1 | 38 19.7 | 20.0 | | 9.0 | 8.3 | 37.0 | | 9.5 | 8.5 | 6.2 | | 9.0 | 38.0 | 48.6 | | 9.4 | 12 4.0 | 2.1 | |
| 6.4 | 32.3 | 24.7 | L | 9.1 | 31.5 | 37.9 | K | 9.5 | 17.2 | 12.6 | | 9.2 | 44.2 | 20.6 | | 8.0 | 4.7 | 58.1 | B |
| 9.1 | 43.9 | 1.2 | | 6.1 | 39.7 | 47.4 | L | 9.5 | 44.0 | 13.1 | | 9.1 | 55.5 | 55.5 | | 8.0 | 8.5 | 59.3 | B |
| 9.5 | 39 6.6 | 23.4 | | 9.2 | 44.9 | 50.3 | | 9.5 | 46.1 | 32.7 | | 9.5 | 5 6.4 | 33.4 | | 9.3 | 13.4 | 28.6 | |
| 9.2 | 10.8 | 35.1 | | 9.3 | 54.0 | 11.1 | | 9.5 | 49.6 | 48.4 | | 8.7 | 7.0 | 54.2 | | 9.4 | 15.7 | 55.9 | |
| 9.4 | 26.1 | 57.6 | | 9.5 | 57.0 | 39.5 | | 9.2 | 54.1 | 29.7 | B | 8.7 | 27.2 | 46.7 | | 9.2 | 16.1 | 28.3 | |
| 9.4 | 26.7 | 52.6 | | 9.5 | 57.1 | 37.7 | | 9.1 | 56 5.5 | 7.5 | | 9.5 | 48.6 | 6.3 | | 9.5 | 34.0 | 38.5 | |
| 9.5 | 35.9 | 35.8 | | 9.0 | 58.1 | 40.4 | K | 8.1 | 10.6 | 52.3 | K | 9.2 | 53.9 | 28.3 | | 9.5 | 36.6 | 30.7 | |
| 8.9 | 39.4 | 28.9 | | 9.1 | 58.5 | 42.4 | | 9.5 | 23.9 | 56.3 | | 8.5 | 54.6 | 47.7 | | 9.5 | 40.3 | 23.3 | |
| 9.5 | 52.4 | 25.8 | | 8.7 | 49 7.6 | 43.8 | K | 9.5 | 30.3 | 37.1 | | 8.6 | 6 10.1 | 3.0 | K | 9.5 | 59.5 | 20.7 | |
| 9.3 | 40 12.2 | 43.7 | | 7.8 | 7.9 | 32.9 | K | 9.5 | 32.0 | 54.3 | | 9.3 | 19.8 | 28.2 | | 9.5 | 13 27.2 | 39.1 | |
| 7.5 | 16.9 | 25.0 | B | 9.3 | 14.4 | 4.6 | | 9.5 | 57.0 | 27.3 | | 9.0 | 28.2 | 25.0 | | 8.8 | 37.6 | 59.3 | |
| 8.7 | 17.5 | 42.0 | | 8.3 | 15.6 | 40.1 | K | 9.5 | 58.9 | 39.0 | | 9.4 | 39.5 | 59.6 | | 9.2 | 46.6 | 9.6 | B |
| 9.5 | 39.3 | 52.4 | | 9.4 | 16.2 | 16.4 | | 9.5 | 57 20.3 | 31.1 | | 9.5 | 53.6 | 25.2 | | 9.5 | 50.9 | 2.9 | |
| 9.5 | 41.8 | 44.1 | | 4.5 | 26.8 | 43.1 | K | 9.5 | 22.3 | 31.8 | B | 7.8 | 7 6.8 | 23.3 | K | 9.2 | 57.8 | 18.3 | |
| 9.4 | 48.5 | 48.3 | | 9.3 | 30.2 | 49.0 | | 9.5 | 46.4 | 9.7 | | 9.5 | 31.7 | 4.1 | | 9.5 | 14 9.5 | 47.4 | |
| *10 pr.* | + *20.85* | + *0.52* | | *10 pr.* | + *21.03* | + *0.67* | | *10 pr.* | + *21.10* | + *0.77* | | *10 pr.* | + *21.19* | + *0.91* | | *10 pr.* | + *21.29* | + *1.02* | |

| 4101—4160 | | | | 4161—4220 | | | | 4221—4280 | | | | 4281—4340 | | | | 4341—4400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | +36° | | | 20ᵐ | +36° | | | 20ᵐ | +36° | | | 20ᵐ | +36° | | | 20ᵐ | +36° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.2 | 24 39.9 | 41.0 | B | 9.4 | 32 58.5 | 23.2 | | 8.2 | 39 39.3 | 53.0 | B | 9.4 | 45 38.0 | 37.2 | | 9.5 | 52 26.0 | 17.0 | |
| 9.5 | 50.1 | 18.9 | | 9.5 | 33 27.1 | 31.2 | | 9.5 | 50.3 | 26.3 | | 8.5 | 44.4 | 28.8 | | 9.0 | 28.2 | 25.1 | |
| 9.2 | 25 0.2 | 50.4 | | 9.5 | 38.9 | 6.9 | | 9.1 | 57.1 | 40.2 | | 8.4 | 52.6 | 44.8 | K | 9.4 | 51.1 | 29.0 | |
| 9.1 | 27.6 | 43.0 | K | 9.4 | 46.7 | 6.8 | | 8.9 | 40 5.8 | 15.3 | | 9.5 | 57.9 | 0.5 | | 9.5 | 51.5 | 20.1 | |
| 6.5 | 28.5 | 26.9 | Kb | 9.5 | 47.9 | 3.8 | | 9.5 | 16.4 | 44.9 | | 8.9 | 46 6.1 | 1.5 | B | 9.0 | 56.0 | 29.0 | |
| 9.5 | 29.4 | 15.1 | | 9.2 | 57.5 | 12.2 | | 9.5 | 27.2 | 6.7 | | 9.1 | 16.3 | 56.9 | | 9.5 | 56.7 | 49.0 | |
| 9.5 | 34.4 | 41.6 | | 9.5 | 58.6 | 5.6 | | 9.3 | 40.8 | 14.4 | | 9.5 | 27.2 | 11.9 | | 9.2 | 59.0 | 45.4 | |
| 9.5 | 42.3 | 41.6 | | 9.2 | 58.7 | 45.0 | | 9.5 | 41.4 | 16.3 | | 9.5 | 30.8 | 52.7 | | 8.7 | 59.0 | 25.3 | |
| 9.4 | 53.1 | 40.8 | B | 9.5 | 34 4.6 | 39.3 | | 9.5 | 46.8 | 15.4 | | 8.3 | 33.9 | 58.5 | K | 9.4 | 59.4 | 23.3 | |
| 9.0 | 57.6 | 2.3 | K | 9.0 | 4.8 | 27.2 | | 9.2 | 50.0 | 56.4 | | 9.5 | 52.7 | 52.4 | | 9.5 | 53 1.9 | 55.1 | |
| 9.4 | 26 4.2 | 35.6 | | 9.4 | 19.1 | 17.8 | | 9.5 | 53.3 | 27.6 | | 9.5 | 55.9 | 7.6 | | 9.4 | 4.1 | 12.7 | |
| 9.4 | 17.9 | 33.6 | | 9.2 | 20.9 | 7.7 | | 9.3 | 57.6 | 32.5 | | 8.2 | 57.1 | 22.1 | B | 9.4 | 4.1 | 10.4 | |
| 8.1 | 33 6 | 53.3 | K | 9.3 | 20.9 | 32.8 | | 8.5 | 41 9.8 | 56.4 | K | 9.5 | 47 9.1 | 12.6 | | 9.5 | 18.7 | 49.3 | |
| 9.0 | 38.2 | 19.5 | Kb | 9.2 | 21.3 | 40.9 | | 9.0 | 21.3 | 31.0 | | 9.5 | 23.4 | 4.3 | | 9.4 | 27.9 | 34.3 | |
| 9.0 | 38.7 | 24.6 | | 9.5 | 30.9 | 58.1 | | 9.5 | 24.0 | 11.5 | | 9.5 | 25.7 | 26.8 | | 8.0 | 38.2 | 11.4 | K |
| 9.5 | 44.4 | 34.9 | | 9.4 | 34.4 | 16.0 | | 9.4 | 26.7 | 38.0 | | 9.4 | 37.3 | 6.0 | | 9.2 | 40.0 | 4.6 | |
| 8.9 | 46.0 | 57.2 | K | 9.3 | 34.4 | 14.4 | | 9.4 | 30.1 | 24.5 | | 9.4 | 48.0 | 49.5 | | 9.4 | 46.9 | 28.7 | |
| 9.0 | 49.6 | 57.1 | | 9.4 | 58.6 | 41.0 | | 9.1 | 34.8 | 23.9 | B | 9.1 | 51.4 | 7.3 | | 9.3 | 55.5 | 29.6 | |
| 9.4 | 51.3 | 2.2 | | 8.1 | 35 4.3 | 53.0 | K | 9.3 | 37.0 | 14.7 | | 9.2 | 51.7 | 12.3 | | 9.3 | 54 0.3 | 2.8 | |
| 9.5 | 54.2 | 13.0 | | 9.4 | 7.8 | 4.9 | | 9.3 | 37.5 | 57.8 | | 9.1 | 53.9 | 41.3 | | 9.5 | 2.7 | 34.6 | |
| 9.2 | 27 10.4 | 8.6 | | 8.8 | 9.7 | 23.8 | | 9.5 | 42.4 | 8.0 | | 9.1 | 55.7 | 9.5 | b | 9.4 | 6.8 | 3.1 | |
| 9.5 | 12.8 | 53.7 | | 8.3 | 21.0 | 40.3 | | 9.1 | 45.7 | 56.1 | B | 9.5 | 57.8 | 58.6 | | 9.4 | 11.5 | 12.8 | |
| 9.3 | 13.4 | 41.4 | | 8.6 | 24.1 | 42.5 | | 9.2 | 46.4 | 54.1 | | 9.3 | 48 2.5 | 37.9 | | 9.5 | 11.7 | 49.0 | |
| 9.5 | 31.3 | 41.3 | | 9.3 | 26.8 | 58.4 | | 9.1 | 58.9 | 32.2 | | 9.5 | 9.3 | 28.4 | | 9.5 | 20.4 | 3.8 | |
| 9.2 | 36.8 | 24.5 | K | 7.9 | 28.4 | 30.9 | B | 9.2 | 42 9.7 | 38.5 | | 9.0 | 9.7 | 50.9 | K | 7.5 | 31.7 | 24.4 | K |
| 9.5 | 47.9 | 32.8 | | 9.4 | 38.2 | 50.4 | | 9.2 | 10.3 | 36.6 | | 9.2 | 9.9 | 32.5 | | 7.5 | 55 13.8 | 48.1 | K |
| 9.5 | 56.7 | 3.4 | | 9.5 | 41.2 | 22.0 | | 9.5 | 16.4 | 1.0 | | 9.0 | 19.9 | 21.2 | | 9.4 | 16.7 | 29.1 | |
| 9.5 | 28 7.0 | 45.9 | | 9.4 | 50.9 | 54.6 | | 9.5 | 19.4 | 45.5 | | 9.4 | 25.8 | 28.5 | | 9.0 | 18.5 | 55.5 | |
| 9.1 | 10.2 | 51.2 | | 9.5 | 54.4 | 32.8 | | 8.8 | 27.4 | 40.3 | | 9.2 | 36.0 | 32.0 | | 9.5 | 25.4 | 27.6 | |
| 9.1 | 27.7 | 49.9 | Bb | 9.4 | 54.9 | 7.5 | | 9.5 | 28.9 | 55.4 | | 9.0 | 38.2 | 24.8 | | 9.0 | 34.8 | 23.1 | |
| 9.2 | 32.5 | 47.4 | | 8.9 | 36 0.6 | 6.7 | | 9.4 | 39.5 | 1.7 | | 9.5 | 52.3 | 0.7 | | 9.2 | 35.5 | 19.5 | |
| 8.9 | 37.9 | 26.0 | | 9.0 | 2.0 | 35.7 | | 9.5 | 39.7 | 14.5 | | 9.4 | 56.4 | 4.6 | | 9.4 | 36.8 | 28.6 | |
| 9.3 | 39.3 | 59.2 | | 9.1 | 4.8 | 53.0 | | 7.9 | 46.4 | 21.6 | B | 9.4 | 49 0.5 | 24.3 | | 9.5 | 46.7 | 52.6 | |
| 9.2 | 42.2 | 6.3 | | 7.9 | 6.5 | 14.8 | B | 8.6 | 49.1 | 17.3 | K | 6.5 | 2.8 | 31.5 | K | 9.5 | 56.9 | 11.7 | |
| 9.5 | 53.5 | 55.0 | | 8.6 | 8.7 | 6.6 | | 9.3 | 43 6.8 | 18.8 | | 9.5 | 3.4 | 40.2 | | 7.5 | 56 14.4 | 7.8 | B |
| 9.2 | 53.5 | 48.1 | | 8.8 | 9.8 | 30.3 | | 9.0 | 18.6 | 20.7 | K | 9.5 | 11.3 | 8.7 | | 7.8 | 17.4 | 24.1 | B |
| 9.3 | 29 7.3 | 50.4 | B | 9.0 | 15.0 | 1.9 | | 9.5 | 25.4 | 8.8 | | 8.9 | 13.2 | 14.2 | K | 9.4 | 49.6 | 46.5 | |
| 9.2 | 34.7 | 58.9 | | 9.5 | 17.9 | 14.9 | | 8.5 | 32.9 | 59.3 | | 9.5 | 13.4 | 19.4 | | 9.5 | 57 7.0 | 23.8 | |
| 7.9 | 38.6 | 21.2 | K | 9.4 | 19.3 | 58.4 | | 9.4 | 38.1 | 43.0 | | 9.4 | 14.7 | 36.4 | | 7.5 | 7.0 | 34.7 | K |
| 9.5 | 44.4 | 58.1 | | 9.5 | 28.7 | 35.0 | | 8.9 | 39.0 | 2.0 | | 9.5 | 34.5 | 11.4 | | 9.2 | 12.5 | 57.6 | |
| 9.5 | 30 13.4 | 17.7 | | 9.5 | 36.3 | 59.6 | | 9.5 | 41.6 | 24.2 | | 9.5 | 42.8 | 7.1 | | 9.5 | 16.3 | 38.8 | |
| 9.3 | 20.6 | 42.5 | | 9.1 | 39.4 | 5.0 | | 9.5 | 47.4 | 34.0 | | 9.5 | 46.4 | 42.5 | | 8.0 | 27.1 | 11.1 | K |
| 9.0 | 25.1 | 2.6 | | 9.5 | 37 6.2 | 8.1 | | 8.5 | 56.5 | 20.1 | K | 9.4 | 50 0.3 | 55.7 | | 9.0 | 41.7 | 34.5 | |
| 8.4 | 25.4 | 32.7 | K | 9.5 | 25.6 | 12.8 | | 9.5 | 44 10.4 | 22.9 | | 9.0 | 5.8 | 4.5 | | 9.5 | 55.3 | 28.9 | |
| 8.5 | 48.6 | 55.3 | K | 9.5 | 26.1 | 13.2 | | 9.5 | 13.7 | 45.2 | | 9.5 | 23.7 | 35.6 | | 9.5 | 55.8 | 23.8 | |
| 9.5 | 54.2 | 21.4 | | 9.4 | 32.6 | 43.0 | | 9.5 | 29.1 | 42.6 | | 9.0 | 39.8 | 12.5 | | 9.5 | 58 0.3 | 25.6 | |
| 9.5 | 31 2.0 | 35.2 | | 9.5 | 48.9 | 51.5 | | 9.1 | 32.6 | 59.0 | | 8.5 | 41.3 | 55.4 | | 9.5 | 18.8 | 6.5 | |
| 9.5 | 13.2 | 11.2 | | 9.4 | 50.0 | 34.0 | | 9.2 | 37.0 | 36.5 | B | 9.3 | 42.3 | 5.8 | | 9.5 | 22.8 | 23.4 | |
| 9.5 | 34.5 | 53.5 | | 8.9 | 38 8.0 | 56.7 | | 9.5 | 40.4 | 40.0 | | 9.1 | 46.8 | 23.0 | | 8.5 | 35.4 | 49.2 | |
| 7.4 | 34.5 | 4.8 | K | 9.5 | 9.8 | 0.0 | B | 9.5 | 47.5 | 3.0 | | 8.5 | 51 2.7 | 48.5 | | 8.6 | 56.7 | 35.2 | |
| 8.8 | 35.1 | 3.0 | K | 9.0 | 20.2 | 21.0 | | 9.5 | 49.6 | 24.1 | | 8.6 | 3.6 | 35.5 | | 9.2 | 59 1.8 | 50.0 | |
| 9.4 | 35.2 | 14.6 | | 9.0 | 31.5 | 57.5 | | 8.6 | 53.4 | 31.9 | | 9.0 | 22.8 | 28.6 | | 9.4 | 3.7 | 33.5 | |
| 9.5 | 47.9 | 28.6 | | 9.2 | 31.9 | 7.5 | | 8.4 | 45 0.3 | 0.6 | | 9.3 | 25.1 | 38.7 | | 9.5 | 11.9 | 0.0 | |
| 8.5 | 55.3 | 50.3 | | 8.6 | 36.0 | 35.6 | | 9.2 | 2.5 | 37.6 | | 9.5 | 36.0 | 44.8 | | 9.1 | 13.0 | 9.3 | |
| 8.8 | 32 9.9 | 48.3 | | 7.9 | 46.0 | 11.6 | L | 8.7 | 11.4 | 8.4 | | 8.6 | 44.8 | 36.0 | K | 8.8 | 25.3 | 32.5 | |
| 9.4 | 18.6 | 34.4 | | 9.4 | 48.2 | 47.8 | | 9.0 | 16.4 | 19.5 | | 9.5 | 47.7 | 27.0 | | 9.4 | 26.7 | 13.3 | |
| 9.4 | 39.2 | 37.6 | | 9.2 | 54.4 | 10.0 | | 9.5 | 20.0 | 43.8 | | 9.5 | 50.7 | 31.9 | | 9.1 | 32.0 | 59.7 | |
| 9.5 | 39.5 | 14.7 | | 9.5 | 39 10.1 | 0.0 | B | 9.4 | 20.2 | 46.8 | | 9.3 | 59.6 | 35.1 | | 9.4 | 37.1 | 53.5 | |
| 9.4 | 44.1 | 3.0 | | 8.3 | 22.5 | 49.4 | B | 9.4 | 29.7 | 38.0 | | 9.5 | 52 4.3 | 5.9 | B | 9.5 | 38.7 | 38.2 | |
| 9.5 | 57.3 | 50.6 | | 9.3 | 37.0 | 12.5 | | 9.5 | 37.5 | 9.0 | | 8.9 | 14.4 | 50.5 | | 9.5 | 42.9 | 4.4 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 22.83 | 2.01 | | 10pr. | 23.03 | 2.10 | | 10pr. | 23.21 | 2.18 | | 10pr. | 23.39 | 2.25 | | 10pr. | 23.59 | 2.32 | |

| 4401—4460 | | | | 4461—4520 | | | | 4521—4580 | | | | 4581—4640 | | | | 4641—4700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ—21ᵘ | | +36° | | 21ᵘ | | +36° | | 21ᵘ | | +36° | | 21ᵘ | | +36° | | 21ᵘ | | +36° |
| m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ |
| 9.1 | 59 | 47.0 | 28.5 | 9.4 | 6 | 40.3 | 43.9 | 9.5 | 14 | 36.2 | 37.2 | 9.5 | 23 | 26.0 | 2.5 | 9.1 | 34 | 40.3 | 8.9 |
| 8.7 | | 48.6 | 20.9 | 9.4 | | 45.4 | 10.3 | 8.5 | | 42.8 | 0.5 L | 9.1 | | 26.6 | 6.5 | 8.8 | | 48.3 | 37.6 |
| 9.0 | 0 | 3.0 | 43.2 | 8.9 | | 47.7 | 18.3 | 9.1 | | 48.1 | 4.7 | 9.5 | | 42.5 | 4.7 | 9.4 | | 59.1 | 41.5 |
| 9.5 | | 6.8 | 18.6 | 9.4 | | 55.8 | 20.8 | 9.5 | | 51.8 | 25.0 | 8.5 | | 44.2 | 10.0 K | 8.8 | 35 | 0.2 | 15.2 |
| 8.6 | | 7.4 | 38.8 | 8.3 | | 58.6 | 48.7 | 9.5 | | 59.0 | 30.4 | 9.5 | | 44.6 | 19.1 | 9.5 | | 15.7 | 24.8 |
| 9.5 | | 10.1 | 51.0 | 8.8 | 7 | 13.8 | 56.8 | 9.1 | 15 | 23.0 | 2.4 | 9.5 | | 55.0 | 28.5 | 8.3 | | 17.1 | 1.0 K |
| 9.5 | | 33.2 | 5.0 | 9.5 | | 20.2 | 8.0 | 9.5 | | 31.3 | 58.9 | 8.4 | | 58.3 | 9.0 K | 8.8 | | 28.8 | 26.2 |
| 9.5 | | 45.7 | 13.5 | 8.2 | | 28.0 | 30.4 R | 9.3 | | 41.9 | 53.4 | 9.5 | 24 | 10.5 | 45.1 | 9.5 | | 51.5 | 22.6 |
| 9.3 | | 46.4 | 20.9 | 9.0 | | 32.3 | 58.0 B | 9.4 | | 49.0 | 18.0 B | 9.3 | | 15.4 | 41.1 | 9.5 | 36 | 0.3 | 11.9 |
| 9.0 | | 53.6 | 6.8 | 6.5 | | 37.7 | 2.3 K | 9.2 | | 55.6 | 45.0 | 9.5 | | 20.7 | 51.2 | 8.0 | | 1.0 | 14.1 K |
| 9.5 | | 56.0 | 40.6 | 9.1 | | 55.9 | 55.7 | 9.0 | 16 | 28.4 | 56.4 | 9.5 | | 28.0 | 23.4 | 7.5 | | 6.9 | 53.4 K |
| 9.5 | 1 | 9.3 | 59.3 | 9.5 | | 59.5 | 13.9 | 9.4 | | 29.2 | 6.8 | 9.1 | | 33.5 | 17.6 | 9.5 | | 13.4 | 55.2 |
| 9.5 | | 9.6 | 57.6 | 9.5 | 8 | 0.2 | 35.4 | 7.0 | | 32.1 | 33.2 K | 9.5 | | 50.5 | 15.0 | 9.4 | | 15.0 | 59.8 |
| 9.5 | | 21.2 | 50.0 | 9.4 | | 0.4 | 56.4 | 8.4 | | 34.0 | 1.3 K | 9.5 | | 55.8 | 58.0 | 8.5 | | 21.8 | 14.4 K |
| 9.5 | | 23.0 | 12.5 | 9.4 | | 11.9 | 54.2 | 9.5 | 17 | 8.1 | 9.7 | 9.2 | 25 | 9.5 | 13.7 B | 9.0 | | 24.0 | 28.2 |
| 7.8 | | 26.7 | 22.3 K | 9.5 | | 18.8 | 44.3 | 9.5 | | 20.3 | 9.5 | 9.5 | | 37.0 | 53.9 | 9.2 | | 34.5 | 44.6 |
| 8.6 | | 34.2 | 36.9 | 9.5 | | 19.7 | 50.3 | 6.3 | | 30.6 | 47.0 K | 9.5 | | 45.3 | 50.9 | 8.7 | | 45.4 | 12.7 |
| 9.2 | | 38.3 | 56.8 | 9.5 | | 30.0 | 47.7 | 9.5 | | 31.2 | 5.5 | 9.5 | | 45.8 | 52.2 | 9.1 | | 45.6 | 48.0 |
| 9.2 | | 56.3 | 5.5 | 9.5 | | 31.5 | 53.0 | 9.0 | | 35.8 | 24.3 | 9.5 | | 51.7 | 24.8 | 9.5 | | 49.7 | 49.5 |
| 9.2 | | 58.1 | 13.2 K | 9.5 | | 33.0 | 0.5 | 9.4 | | 39.5 | 17.9 | 9.5 | 26 | 1.4 | 54.7 | 9.0 | | 54.8 | 54.4 K |
| 9.2 | 2 | 4.0 | 43.1 | 9.4 | | 40.2 | 53.4 | 9.2 | | 47.9 | 1.4 | 9.2 | | 3.5 | 2.5 b | 9.2 | | 57.7 | 52.9 |
| 8.5 | | 15.4 | 20.1 | 8.3 | | 47.0 | 30.7 | 9.5 | | 48.5 | 6.6 | 9.4 | 27 | 3.7 | 7.7 | 8.4 | | 59.1 | 32.9 |
| 9.5 | | 26.0 | 29.2 | 9.2 | | 50.0 | 54.8 | 6.0 | | 55.6 | 43.8 K | 9.5 | | 23.1 | 3.7 | 9.1 | 37 | 36.1 | 5.0 |
| 9.5 | | 31.8 | 32.4 | 9.4 | | 50.0 | 10.2 | 9.5 | 18 | 18.7 | 57.0 | 9.5 | | 26.0 | 47.9 | 9.1 | | 46.4 | 22.8 |
| 9.2 | | 38.3 | 13.1 | 9.5 | 9 | 2.5 | 17.6 | 8.4 | | 23.2 | 9.7 | 9.5 | | 36.3 | 6.3 | 9.5 | | 55.0 | 4.0 |
| 9.3 | | 43.4 | 35.3 | 9.4 | | 5.7 | 21.3 | 9.3 | | 26.7 | 38.8 B | 8.5 | | 36.9 | 59.3 K | 9.4 | 38 | 2.5 | 22.0 |
| 9.5 | 3 | 11.3 | 24.0 | 9.3 | | 6.4 | 13.9 | 8.0 | | 31.8 | 22.3 B | 9.5 | | 44.0 | 1.4 | 9.5 | | 16.4 | 43.0 |
| 9.5 | | 21.6 | 3.3 | 9.3 | | 7.3 | 25.7 | 9.1 | | 40.0 | 21.3 | 9.1 | | 53.2 | 36.0 b | 9.5 | | 31.2 | 4.8 |
| 9.3 | | 24.9 | 53.4 | 9.5 | | 36.1 | 57.8 | 9.5 | | 55.9 | 27.7 | 9.4 | 28 | 5.3 | 16.2 | 8.5 | | 41.6 | 17.6 K |
| 9.5 | | 30.8 | 59.0 | 9.1 | | 40.4 | 42.7 | 9.4 | | 55.9 | 18.3 | 9.2 | | 32.9 | 13.3 B | 9.5 | | 47.1 | 21.8 |
| 9.4 | | 33.2 | 57.5 B | 9.1 | | 42.2 | 35.1 | 9.5 | 19 | 0.7 | 22.4 | 9.5 | | 53.4 | 10.8 | 8.3 | | 54.8 | 52.2 |
| 9.5 | | 39.6 | 21.3 | 7.2 | | 45.3 | 39.3 K | 9.0 | | 12.3 | 38.2 | 9.5 | 29 | 28.1 | 2.6 | 9.5 | | 58.4 | 11.0 |
| 9.5 | | 41.0 | 5.1 | 8.5 | | 46.0 | 13.8 K | 9.5 | | 19.3 | 8.6 | 9.0 | 30 | 21.2 | 55.6 | 9.4 | 39 | 15.7 | 54.7 |
| 9.5 | | 49.6 | 56.1 | 9.5 | 10 | 14.2 | 34.9 | 8.5 | | 21.2 | 4.4 | 9.5 | | 34.5 | 4.7 B | 8.0 | | 30.5 | 43.8 K |
| 9.5 | | 54.7 | 30.0 | 8.5 | | 23.7 | 48.0 K | 9.2 | | 25.3 | 38.0 | 8.8 | | 41.1 | 32.4 | 8.0 | 40 | 9.8 | 43.7 K |
| 9.1 | 4 | 2.1 | 11.2 | 9.2 | | 44.8 | 14.9 K | 9.3 | | 44.2 | 6.5 | 9.1 | | 49.5 | 16.8 | 9.4 | | 15.5 | 12.3 |
| 8.7 | | 4.4 | 24.3 | 9.5 | | 52.3 | 21.8 | 6.0 | | 52.0 | 2.4 Kb | 9.5 | 31 | 7.8 | 53.3 | 8.8 | | 30.8 | 16.1 |
| 9.2 | | 5.8 | 4.3 | 9.5 | | 53.0 | 55.1 | 9.4 | | 58.6 | 47.5 | 9.5 | | 28.6 | 38.5 B | 9.5 | | 40.7 | 19.8 B |
| 9.4 | | 15.7 | 31.5 | 9.5 | 11 | 0.9 | 26.7 | 9.4 | 20 | 5.8 | 8.6 | 9.2 | | 29.3 | 11.6 | 7.7 | | 43.9 | 59.4 K |
| 9.1 | | 24.2 | 57.4 | 9.5 | | 17.4 | 41.5 | 9.5 | | 12.7 | 24.3 | 9.5 | | 36.1 | 33.2 | 8.0 | 41 | 1.8 | 39.2 |
| 9.5 | | 24.6 | 26.5 | 9.5 | | 24.0 | 55.1 | 9.1 | | 25.9 | 55.2 | 9.2 | | 36.9 | 25.8 | 9.5 | | 26.3 | 43.9 |
| 9.3 | | 26.4 | 50.6 | 9.3 | | 25.8 | 49.7 | 9.5 | | 49.1 | 26.7 | 9.5 | | 52.7 | 24.3 | 9.4 | 42 | 4.7 | 34.0 |
| 9.2 | | 26.4 | 58.7 | 9.5 | | 35.1 | 34.9 | 9.1 | | 52.8 | 54.7 | 9.5 | 32 | 11.7 | 15.7 | 9.5 | | 9.3 | 26.5 |
| 9.5 | | 27.3 | 34.0 | 9.4 | | 40.9 | 14.5 | 7.5 | | 55.6 | 52.7 K | 9.5 | | 12.3 | 37.9 | 8.7 | 43 | 15.0 | 37.2 |
| 9.2 | | 35.9 | 3.0 | 9.4 | | 47.8 | 45.1 | 8.4 | 21 | 4.1 | 7.0 K | 9.1 | | 14.5 | 47.9 | 8.0 | | 22.0 | 25.5 |
| 7.5 | | 44.6 | 12.6 K | 9.4 | | 50.8 | 25.7 | 8.0 | | 13.5 | 19.1 K | 9.4 | | 18.0 | 30.4 | 9.2 | | 21.0 | 6.8 |
| 7.9 | | 56.9 | 53.8 K | 9.5 | 12 | 11.6 | 1.6 | 9.1 | | 16.0 | 29.2 | 9.5 | | 21.7 | 14.1 | 9.2 | | 30.5 | 35.7 |
| 9.5 | 5 | 4.0 | 58.2 | 9.5 | | 34.9 | 52.1 | 5.0 | | 26.0 | 29.5 K | 9.2 | | 51.1 | 33.7 b | 9.5 | 44 | 5.8 | 56.0 |
| 7.6 | | 24.3 | 4.0 K | 9.0 | | 35.5 | 35.3 B | 9.4 | | 35.7 | 35.4 | 9.5 | | 53.6 | 53.9 | 9.5 | | 18.7 | 23.6 |
| 9.4 | | 30.5 | 56.3 | 8.4 | | 40.4 | 9.6 K | 9.5 | | 37.8 | 24.8 | 8.9 | 33 | 2.4 | 13.0 | 9.5 | | 19.2 | 31.2 |
| 9.3 | | 31.0 | 9.6 | 9.4 | | 57.0 | 50.4 | 9.1 | | 54.2 | 29.9 B | 9.3 | | 9.8 | 43.2 | 8.0 | | 25.4 | 54.8 B |
| 9.4 | | 49.5 | 58.6 | 9.5 | 13 | 20.2 | 2.3 | 9.3 | | 55.9 | 55.4 | 9.5 | | 15.2 | 43.8 | 9.5 | | 46.2 | 3.2 |
| 9.5 | | 49.5 | 2.5 | 8.5 | | 34.3 | 37.9 | 9.1 | 22 | 4.2 | 41.0 B | 9.5 | | 15.2 | 54.5 | 9.2 | | 48.0 | 52.5 |
| 9.0 | 6 | 0.9 | 15.3 | 8.7 | | 56.8 | 50.2 | 9.5 | | 11.6 | 56.1 | 9.5 | | 17.0 | 53.9 | 9.2 | 45 | 4.1 | 56.6 |
| 9.5 | | 4.0 | 30.0 | 9.0 | 14 | 8.5 | 30.8 | 9.5 | | 31.8 | 24.8 | 9.2 | | 34.1 | 10.9 | 8.8 | | 29.7 | 15.9 Kb |
| 9.3 | | 19.8 | 16.3 | 9.4 | | 9.4 | 50.8 | 9.1 | | 40.6 | 46.8 | 9.5 | 34 | 3.9 | 27.5 | 9.5 | | 48.7 | 55.4 |
| 8.6 | | 23.8 | 50.5 | 9.5 | | 9.7 | 37.8 | 9.5 | | 40.7 | 50.5 | 9.4 | | 16.5 | 19.3 | 9.5 | | 53.2 | 32.8 |
| 8.5 | | 24.4 | 28.3 | 9.1 | | 19.5 | 44.7 | 9.5 | | 41.0 | 5.4 | 9.5 | | 22.6 | 0.2 | 9.3 | 46 | 16.3 | 21.0 |
| 9.2 | | 29.2 | 18.5 | 9.5 | | 21.6 | 46.4 | 9.5 | | 57.1 | 8.7 | 9.5 | | 32.4 | 41.0 | 9.0 | | 22.7 | 39.4 |
| 9.3 | | 36.5 | 0.9 | 8.0 | | 22.2 | 10.9 Lb | 8.0 | 23 | 7.3 | 56.8 K | 9.5 | | 36.1 | 31.9 | 9.5 | | 40.0 | 8.6 |
| *10 pr.* | | *23.83* | *2.40* | *10 pr.* | | *24.02* | *2.46* | *10 pr.* | | *24.33* | *2.55* | *10 pr.* | | *24.65* | *2.64* | *10 pr.* | | *25.00* | *2.73* |

| 4493ᵃ | | | |
|---|---|---|---|
| 9.5 | 9 | 47.0 | 34.4 |

| m | 20ᵐ | +36° | |
|---|---|---|---|
| | 4101—4160 | | |
| 8.2 | 24′ 39.9 | 41.0 | B |
| 9.5 | 50.1 | 18.9 | |
| 9.2 | 25 0.2 | 50.4 | |
| 9.1 | 27.6 | 43.0 | K |
| 6.5 | 28.5 | 26.9 | Kb |
| 9.5 | 29.4 | 15.1 | |
| 9.5 | 34.4 | 41.6 | |
| 9.5 | 42.3 | 41.6 | |
| 9.4 | 53.1 | 40.8 | B |
| 9.0 | 57.6 | 2.3 | K |
| 9.4 | 26 4.2 | 35.6 | |
| 9.4 | 17.9 | 33.6 | |
| 8.1 | 33 6 | 53.3 | K |
| 9.0 | 38.2 | 19.5 | Kb |
| 9.0 | 38.7 | 24.6 | |
| 9.5 | 44.4 | 34.9 | |
| 8.9 | 46.0 | 57.2 | K |
| 9.0 | 49.6 | 57.1 | |
| 9.4 | 51.3 | 2.2 | |
| 9.5 | 54.2 | 13.0 | |
| 9.2 | 27 10.4 | 8.6 | |
| 9.5 | 12.8 | 53.7 | |
| 9.3 | 13.4 | 41.4 | |
| 9.5 | 31.3 | 41.3 | |
| 9.2 | 36.8 | 24.5 | K |
| 9.5 | 47.9 | 32.8 | |
| 9.5 | 56.7 | 3.4 | |
| 9.5 | 28 7.0 | 45.9 | |
| 9.1 | 10.2 | 51.2 | |
| 9.1 | 27.7 | 49.9 | Bb |
| 9.2 | 32.5 | 47.4 | |
| 8.9 | 37.9 | 26.0 | |
| 9.3 | 39.3 | 59.2 | |
| 9.2 | 42.2 | 6.3 | |
| 9.5 | 53.5 | 55.0 | |
| 9.2 | 53.5 | 48.1 | |
| 9.3 | 29 7.3 | 50.4 | B |
| 9.2 | 34.7 | 58.9 | |
| 7.9 | 38.6 | 21.2 | K |
| 9.5 | 44.4 | 58.1 | |
| 9.5 | 30 13.4 | 17.7 | |
| 9.3 | 20.6 | 42.5 | |
| 9.0 | 25.1 | 2.6 | |
| 8.4 | 25.4 | 32.7 | K |
| 8.5 | 48.6 | 55.3 | K |
| 9.5 | 54.2 | 21.4 | |
| 9.5 | 31 2.0 | 35.2 | |
| 9.5 | 13.2 | 11.2 | |
| 9.5 | 34.5 | 53.5 | |
| 7.4 | 34.5 | 4.8 | K |
| 8.8 | 35.1 | 3.0 | K |
| 9.4 | 35.2 | 14.6 | |
| 9.5 | 47.9 | 28.6 | |
| 8.5 | 55.3 | 50.3 | |
| 8.8 | 32 9.9 | 48.3 | |
| 9.4 | 18.6 | 34.4 | |
| 9.4 | 39.2 | 37.6 | |
| 9.5 | 39.5 | 14.7 | |
| 9.4 | 44.1 | 3.0 | |
| 9.5 | 57.3 | 50.6 | |
| | + | + | |
| 10 pr. | 22.83 | 2.01 | |

| m | 20ᵐ | +36° | |
|---|---|---|---|
| | 4161—4220 | | |
| 9.4 | 32′ 58.5 | 23.2 | |
| 9.5 | 33 27.1 | 31.2 | |
| 9.5 | 38.9 | 6.9 | |
| 9.4 | 46.7 | 6.8 | |
| 9.5 | 47.9 | 3.8 | |
| 9.2 | 57.5 | 12.2 | |
| 9.5 | 58.6 | 5.6 | |
| 9.2 | 58.7 | 45.0 | |
| 9.5 | 34 4.6 | 39.3 | |
| 9.0 | 4.8 | 27.2 | |
| 9.4 | 19.1 | 17.8 | |
| 9.2 | 20.9 | 7.7 | |
| 9.3 | 20.9 | 32.8 | |
| 9.2 | 21.3 | 40.9 | |
| 9.5 | 30.9 | 58.1 | |
| 9.4 | 34.4 | 16.0 | |
| 9.3 | 34.4 | 14.4 | |
| 9.4 | 58.6 | 41.0 | |
| 8.1 | 35 4.3 | 53.0 | K |
| 9.4 | 7.8 | 4.9 | |
| 8.8 | 9.7 | 23.8 | |
| 8.3 | 21.0 | 40.3 | |
| 8.6 | 24.1 | 42.5 | |
| 9.3 | 26.8 | 58.4 | |
| 7.9 | 28.4 | 30.9 | B |
| 9.4 | 38.2 | 50.4 | |
| 9.5 | 41.2 | 22.0 | |
| 9.4 | 50.9 | 54.6 | |
| 9.5 | 54.4 | 32.8 | |
| 9.4 | 54.9 | 7.5 | |
| 8.9 | 36 0.6 | 6.7 | |
| 9.0 | 2.0 | 35.7 | |
| 9.1 | 4.8 | 53.0 | |
| 7.9 | 6.5 | 14.8 | B |
| 8.6 | 8.7 | 6.6 | |
| 8.8 | 9.8 | 30.3 | |
| 9.0 | 15.0 | 1.9 | |
| 9.5 | 17.9 | 14.9 | |
| 9.4 | 19.3 | 58.4 | |
| 9.5 | 28.7 | 35.0 | |
| 9.5 | 36.3 | 59.6 | |
| 9.1 | 39.4 | 5.0 | |
| 9.5 | 37 6.2 | 8.1 | |
| 9.5 | 25.6 | 12.8 | |
| 9.5 | 26.1 | 13.2 | |
| 9.4 | 32.6 | 43.0 | |
| 9.5 | 48.9 | 51.5 | |
| 9.4 | 50.0 | 34.0 | |
| 8.9 | 38 8.0 | 56.7 | |
| 9.5 | 9.8 | 0.0 | B |
| 9.0 | 20.2 | 21.0 | |
| 9.0 | 31.5 | 57.5 | |
| 9.2 | 31.9 | 7.5 | |
| 8 6 | 36.0 | 35.6 | |
| 7.9 | 46.0 | 11.6 | L |
| 9.4 | 48.2 | 47.8 | |
| 9.2 | 54.4 | 10.0 | |
| 9.5 | 39 10.1 | 0 0 | B |
| 8.3 | 22.5 | 49.4 | B |
| 9.3 | 37.0 | 12.5 | |
| | + | + | |
| 10 pr. | 23.03 | 2.10 | |

| m | 20ᵐ | +36° | |
|---|---|---|---|
| | 4221—4280 | | |
| 8.2 | 39′ 39.3 | 53.0 | B |
| 9.5 | 50.3 | 26.3 | |
| 9.1 | 57.1 | 40.2 | |
| 8.9 | 40 5.8 | 15.3 | |
| 9.5 | 16.4 | 44.9 | |
| 9.5 | 27.2 | 6.7 | |
| 9.3 | 40.8 | 14.4 | |
| 9.5 | 41.4 | 16.3 | |
| 9.5 | 46.8 | 15.4 | |
| 9.2 | 50.0 | 56.4 | |
| 9.5 | 53.3 | 27.6 | |
| 9.3 | 57.6 | 32.5 | |
| 8.5 | 41 9.8 | 56.4 | K |
| 9.0 | 21.3 | 31.0 | |
| 9.5 | 24.0 | 11.5 | |
| 9.4 | 26.7 | 38.0 | |
| 9.4 | 30.1 | 24.5 | |
| 9.1 | 34.8 | 23.9 | B |
| 9.3 | 37.0 | 14.7 | |
| 9.3 | 37.5 | 57.8 | |
| 9.5 | 42.4 | 8.0 | |
| 9.1 | 45.7 | 56.1 | B |
| 9.2 | 46.4 | 54.1 | |
| 9.1 | 58.9 | 32.2 | |
| 9.2 | 42 9.7 | 38.5 | |
| 9.2 | 10.3 | 36.6 | |
| 9.5 | 16.4 | 1.0 | |
| 9.5 | 19.4 | 45.5 | |
| 8.8 | 27.4 | 40.3 | |
| 9.5 | 28.9 | 55.4 | |
| 9.4 | 39.5 | 1.7 | |
| 9.5 | 39.7 | 14.5 | |
| 7.9 | 46.4 | 21.6 | B |
| 8.6 | 49.1 | 17.3 | K |
| 9.3 | 43 6.8 | 18.8 | |
| 9.0 | 18.6 | 20.7 | K |
| 9.5 | 25.4 | 8.8 | |
| 8.5 | 32.9 | 59.3 | |
| 9.4 | 38.1 | 43.0 | |
| 8.9 | 39.0 | 2.0 | |
| 9.5 | 41.6 | 24.2 | |
| 9.5 | 47.4 | 34.0 | |
| 8.5 | 56.5 | 20.1 | K |
| 9.5 | 44 10.4 | 22.9 | |
| 9.5 | 13.7 | 45.2 | |
| 9.5 | 29.1 | 42.6 | |
| 9.1 | 32.6 | 59.0 | |
| 9.2 | 37.0 | 36.5 | B |
| 9.5 | 40.4 | 40.0 | |
| 9.5 | 47.5 | 3.0 | |
| 9.5 | 49.6 | 24.1 | |
| 8.6 | 53.4 | 31.9 | |
| 8.4 | 45 0.3 | 0.6 | |
| 9.2 | 2.5 | 37.6 | |
| 8.7 | 11.4 | 8.4 | |
| 9.0 | 16.4 | 19.5 | |
| 9.5 | 20.0 | 43.8 | |
| 9.4 | 20.2 | 46.8 | |
| 9.4 | 29.7 | 38.0 | |
| 9.5 | 37.5 | 9.0 | |
| | + | + | |
| 10 pr. | 23.21 | 2.18 | |

| m | 20ᵐ | +36° | |
|---|---|---|---|
| | 4281—4340 | | |
| 9.4 | 45′ 38.0 | 37.2 | |
| 8.5 | 44.4 | 28.8 | |
| 8.4 | 52.6 | 44.8 | K |
| 9.5 | 57.9 | 0.5 | |
| 8.9 | 46 6.1 | 1.5 | B |
| 9.1 | 16.3 | 56.9 | |
| 9.5 | 27.2 | 11.9 | |
| 9.5 | 30.8 | 52.7 | |
| 8.3 | 33.9 | 58.5 | K |
| 9.5 | 52.7 | 52.4 | |
| 9.5 | 55.9 | 7.6 | |
| 8.2 | 57.1 | 22.1 | B |
| 9.5 | 47 9.1 | 12.6 | |
| 9.5 | 23.4 | 4.3 | |
| 9.5 | 25.7 | 26.8 | |
| 9.4 | 37.3 | 6.0 | |
| 9.4 | 48.0 | 49.5 | |
| 9.1 | 51.4 | 7.3 | |
| 9.2 | 51.7 | 12.3 | |
| 9.1 | 53.9 | 41.3 | |
| 9.1 | 55.7 | 9.5 | b |
| 9.5 | 57.8 | 58.6 | |
| 9.3 | 48 2.5 | 37.9 | |
| 9.5 | 9.3 | 28.4 | |
| 9.0 | 9.7 | 50.9 | K |
| 9.2 | 9.9 | 32.5 | |
| 9.0 | 19.9 | 21.2 | |
| 9.4 | 25.8 | 28.5 | |
| 9.2 | 36.0 | 32.0 | |
| 9.0 | 38.2 | 24.8 | |
| 9.5 | 52.3 | 0.7 | |
| 9.4 | 56.4 | 4.6 | |
| 9.4 | 49 0.5 | 24.3 | |
| 6.5 | 2.8 | 31.5 | K |
| 9.5 | 3.4 | 40.2 | |
| 9.5 | 11.3 | 8.7 | |
| 8.9 | 13.2 | 14.2 | K |
| 9.5 | 13.4 | 19.4 | |
| 9.4 | 14.7 | 36.4 | |
| 9.5 | 34.5 | 11.4 | |
| 9.5 | 42.8 | 7.1 | |
| 9.5 | 46.4 | 42.5 | |
| 9.4 | 50 0.3 | 55.7 | |
| 9.0 | 5.8 | 4.5 | |
| 9.5 | 23.7 | 35.6 | |
| 9.0 | 39.8 | 12.5 | |
| 8.5 | 41.3 | 55.4 | |
| 9.3 | 42.3 | 5.8 | |
| 9.1 | 46.8 | 23.0 | |
| 8.5 | 51 2.7 | 48.5 | |
| 8.6 | 3.6 | 35.5 | |
| 9.0 | 22.8 | 28.6 | |
| 9.3 | 25.1 | 38.7 | |
| 9.5 | 36.0 | 44.8 | |
| 8.6 | 44.8 | 36.0 | K |
| 9.5 | 47.7 | 27.0 | |
| 9.5 | 50.7 | 31.9 | |
| 9.3 | 59.6 | 35.1 | |
| 9.5 | 52 4.3 | 5.9 | B |
| 8.9 | 14.4 | 50.5 | |
| | + | + | |
| 10 pr. | 23.39 | 2.25 | |

| m | 20ᵐ | +36° | |
|---|---|---|---|
| | 4341—4400 | | |
| 9.5 | 52′ 26.0 | 17.0 | |
| 9.0 | 28.2 | 25.1 | |
| 9.4 | 51.1 | 29.0 | |
| 9.5 | 51.5 | 20.1 | |
| 9.0 | 56.0 | 29.0 | |
| 9.5 | 56.7 | 49.0 | |
| 9.2 | 59.0 | 45.4 | |
| 8.7 | 59.0 | 25.3 | |
| 9.4 | 59.4 | 23.3 | |
| 9.5 | 53 1.9 | 55.1 | |
| 9.4 | 4.1 | 12.7 | |
| 9.4 | 4.1 | 10.4 | |
| 9.5 | 18.7 | 49.3 | |
| 9.4 | 27.9 | 34.3 | |
| 8.0 | 38.2 | 11.4 | K |
| 9.2 | 40.0 | 4.6 | |
| 9.4 | 46.9 | 28.7 | |
| 9.3 | 55.5 | 29.6 | |
| 9.3 | 54 0.3 | 2.8 | |
| 9.5 | 2.7 | 34.6 | |
| 9.4 | 6.8 | 3.1 | |
| 9.4 | 11.5 | 12.8 | |
| 9.5 | 11.7 | 49.0 | |
| 9.5 | 20.4 | 3.8 | |
| 7.5 | 31.7 | 24.4 | K |
| 7.5 | 55 13.8 | 48.1 | K |
| 9.4 | 16.7 | 29.1 | |
| 9.0 | 18.5 | 55.5 | |
| 9.5 | 25.4 | 27.6 | |
| 9.0 | 34.8 | 23.1 | |
| 9.2 | 35.5 | 19.5 | |
| 9.4 | 36.8 | 28.6 | |
| 9.5 | 46.7 | 52.6 | |
| 9.5 | 56.9 | 11.7 | |
| 7.5 | 56 14.4 | 7.8 | B |
| 7.8 | 17.4 | 24.1 | B |
| 9.4 | 49.6 | 46.5 | |
| 9.5 | 57 7.0 | 23.8 | |
| 7.5 | 7.0 | 34.7 | K |
| 9.2 | 12.5 | 57.6 | |
| 9.5 | 16.3 | 38.8 | |
| 8.0 | 27.1 | 11.1 | K |
| 9.0 | 41.7 | 34.5 | |
| 9.5 | 55.3 | 28.9 | |
| 9.5 | 55.8 | 23.8 | |
| 9.5 | 58 0.3 | 25.6 | |
| 9.5 | 18.8 | 6.5 | |
| 9.5 | 22.8 | 23.4 | |
| 8.5 | 35.4 | 49.2 | |
| 8.6 | 56.7 | 35.2 | |
| 9.2 | 59 1.8 | 50.0 | |
| 9.4 | 3.7 | 33.5 | |
| 9.5 | 11.9 | 0.0 | |
| 9.1 | 13.0 | 9.3 | |
| 8.8 | 25.3 | 32.5 | |
| 9.4 | 26.7 | 13.3 | |
| 9.1 | 32.0 | 59.7 | |
| 9.4 | 37.1 | 53.5 | |
| 9.5 | 38.7 | 38.2 | |
| 9.5 | 42.9 | 4.4 | |
| | + | + | |
| 10 pr. | 23.59 | 2.32 | |

| 4401—4460 | | | | 4461—4520 | | | | 4521—4580 | | | | 4581—4640 | | | | 4641—4700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ʰ—21ʰ | +36° | | | 21ʰ | +36° | | | 21ʰ | +36° | | | 21ʰ | +36° | | | 21ʰ | +36° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.1 | 59 47.0 | 28.5 | | 9.4 | 6 40.3 | 43.9 | | 9.5 | 14 36.2 | 37.2 | | 9.5 | 23 26.0 | 2.5 | | 9.1 | 34 40.3 | 8.9 | |
| 8.7 | 48.6 | 20.9 | | 9.4 | 45.4 | 10.3 | | 8.5 | 42.8 | 0.5 | L | 9.1 | 26.6 | 6.5 | | 8.8 | 48.3 | 37.6 | |
| 9.0 | 0 3.0 | 43.2 | | 8.9 | 47.7 | 18.3 | | 9.1 | 48.1 | 4.7 | | 9.5 | 42.5 | 4.7 | | 9.4 | 59.1 | 41.5 | |
| 9.5 | 6.8 | 18.6 | | 9.4 | 55.8 | 20.8 | | 9.5 | 51.8 | 25.0 | | 8.5 | 44.2 | 10.0 | K | 8.8 | 35 0.2 | 15.2 | |
| 8.6 | 7.4 | 38.8 | | 8.3 | 58.6 | 48.7 | | 9.5 | 59.0 | 30.4 | | 9.5 | 44.6 | 19.1 | | 9.5 | 15.7 | 24.8 | |
| 9.5 | 10.1 | 51.0 | | 8.8 | 7 13.8 | 56.8 | | 9.1 | 15 23.0 | 2.4 | | 9.5 | 55.0 | 28.5 | | 8.3 | 17.1 | 1.0 | K |
| 9.5 | 33.2 | 5.0 | | 9.5 | 20.2 | 8.0 | | 9.5 | 31.3 | 58.9 | | 8.4 | 58.3 | 9.0 | K | 8.8 | 28.8 | 26.2 | |
| 9.5 | 45.7 | 13.5 | | 8.2 | 28.0 | 30.4 | R | 9.3 | 41.9 | 53.4 | | 9.5 | 24 10.5 | 45.1 | | 9.5 | 51.5 | 22.6 | |
| 9.3 | 46.4 | 20.9 | | 9.0 | 32.3 | 58.0 | | 9.4 | 49.0 | 18.0 | B | 9.3 | 15.4 | 41.1 | | 9.5 | 36 0.3 | 11.9 | |
| 9.0 | 53.6 | 6.8 | | 6.5 | 37.7 | 2.3 | K | 9.2 | 55.6 | 45.0 | | 9.5 | 20.7 | 51.2 | | 8.0 | 1.0 | 14.1 | K |
| 9.5 | 56.0 | 40.6 | | 9.1 | 55.9 | 55.7 | | 9.0 | 16 28.4 | 56.4 | | 9.5 | 28.0 | 23.4 | | 7.5 | 6.9 | 53.4 | K |
| 9.5 | 1 9.3 | 59.3 | | 9.5 | 59.5 | 13.9 | | 9.4 | 29.2 | 6.8 | | 9.1 | 33.5 | 17.6 | | 9.5 | 13.4 | 55.2 | |
| 9.5 | 9.6 | 57.6 | | 9.5 | 8 0.2 | 35.4 | | 7.0 | 32.1 | 33.2 | K | 9.5 | 50.5 | 15.0 | | 9.4 | 15.0 | 59.8 | |
| 9.5 | 21.2 | 50.0 | | 9.4 | 0.4 | 56.4 | | 8.4 | 34.0 | 1.3 | K | 9.5 | 55.8 | 58.0 | | 8.5 | 21.8 | 14.4 | K |
| 9.5 | 23.0 | 12.5 | | 9.4 | 11.9 | 54.2 | | 9.5 | 17 8.1 | 9.7 | | 9.2 | 25 9.5 | 13.7 | B | 9.0 | 24.0 | 28.2 | |
| 7.8 | 26.7 | 22.3 | K | 9.5 | 18.8 | 44.3 | | 9.5 | 20.3 | 9.5 | | 9.5 | 37.0 | 53.9 | | 9.2 | 34.5 | 44.6 | |
| 8.6 | 34.2 | 36.9 | | 9.5 | 19.7 | 50.3 | | 6.3 | 30.6 | 47.0 | K | 9.5 | 45.3 | 50.9 | | 8.7 | 45.4 | 12.7 | |
| 9.2 | 38.3 | 56.8 | | 9.5 | 30.0 | 47.7 | | 9.5 | 31.2 | 5.5 | | 9.5 | 45.8 | 52.2 | | 9.1 | 45.6 | 48.0 | |
| 9.2 | 56.3 | 5.5 | | 9.5 | 31.5 | 53.0 | | 9.0 | 35.8 | 24.3 | | 9.5 | 51.7 | 24.8 | | 9.5 | 49.7 | 49.5 | |
| 9.2 | 58.1 | 13.2 | K | 9.5 | 33.0 | 0.5 | | 9.4 | 39.5 | 17.9 | | 9.5 | 26 1.4 | 54.7 | | 9.0 | 54.8 | 54.4 | K |
| 9.2 | 2 4.0 | 43.1 | | 9.4 | 40.2 | 53.4 | | 9.2 | 47.9 | 1.4 | | 9.2 | 3.5 | 2.5 | b | 9.2 | 57.7 | 52.9 | |
| 8.5 | 15.4 | 20.1 | | 8.3 | 47.0 | 30.7 | | 9.5 | 48.5 | 6.6 | | 9.4 | 27 3.7 | 7.7 | | 8.4 | 59.1 | 32.9 | |
| 9.5 | 26.0 | 29.2 | | 9.2 | 50.0 | 54.8 | | 6.0 | 55.6 | 43.8 | K | 9.5 | 23.1 | 3.7 | | 9.1 | 37 36.1 | 5.0 | |
| 9.5 | 31.8 | 32.4 | | 9.4 | 50.0 | 10.2 | | 9.5 | 18 18.7 | 57.0 | | 9.5 | 26.0 | 47.9 | | 9.1 | 46.4 | 22.8 | |
| 9.2 | 38.3 | 13.1 | | 9.5 | 9 2.5 | 17.6 | | 8.4 | 23.2 | 9.7 | | 9.5 | 36.3 | 6.3 | | 9.5 | 55.0 | 4.0 | |
| 9.3 | 43.4 | 35.3 | | 9.4 | 5.7 | 21.3 | | 9.3 | 26.7 | 38.8 | B | 8.5 | 36.9 | 59.3 | K | 9.4 | 38 2.5 | 22.0 | |
| 9.5 | 3 11.3 | 24.0 | | 9.3 | 6.4 | 13.9 | | 8.0 | 31.8 | 22.3 | B | 9.5 | 44.0 | 1.4 | | 9.5 | 16.4 | 43.0 | |
| 9.5 | 21.6 | 3.3 | | 9.3 | 7.3 | 25.7 | | 9.1 | 40.0 | 21.3 | | 9.1 | 53.2 | 36.0 | b | 9.5 | 31.2 | 4.8 | |
| 9.3 | 24.9 | 53.4 | | 9.5 | 36.1 | 57.8 | | 9.5 | 55.9 | 27.7 | | 9.4 | 28 5.3 | 16.2 | | 8.5 | 41.6 | 17.6 | K |
| 9.5 | 30.8 | 59.0 | | 9.1 | 40.4 | 42.7 | | 9.4 | 55.9 | 18.3 | | 9.2 | 32.9 | 13.3 | B | 9.5 | 47.1 | 21.8 | |
| 9.4 | 33.2 | 57.5 | B | 9.1 | 42.2 | 35.1 | | 9.5 | 19 0.7 | 22.4 | | 9.5 | 53.4 | 10.8 | | 8.3 | 54.8 | 52.2 | |
| 9.5 | 39.6 | 21.3 | | 7.2 | 45.3 | 39.3 | K | 9.0 | 12.3 | 38.2 | | 9.5 | 29 28.1 | 2.6 | | 9.5 | 58.4 | 11.0 | |
| 9.5 | 41.0 | 5.1 | | 8.5 | 46.0 | 13.8 | K | 9.5 | 19.3 | 8.6 | | 9.0 | 30 21.2 | 55.6 | | 9.4 | 39 15.7 | 54.7 | |
| 9.5 | 49.6 | 56.1 | | 9.5 | 10 14.2 | 34.9 | | 8.5 | 21.2 | 4.4 | | 9.5 | 34.5 | 4.7 | B | 8.0 | 30.5 | 43.8 | K |
| 9.5 | 54.7 | 30.0 | | 8.5 | 23.7 | 48.0 | K | 9.2 | 25.3 | 38.0 | | 8.8 | 41.1 | 32.4 | | 8.0 | 40 9.8 | 43.7 | K |
| 9.1 | 4 2.1 | 11.2 | | 9.2 | 44.8 | 14.9 | K | 9.3 | 44.2 | 6.5 | | 9.1 | 49.5 | 16.8 | | 9.4 | 15.5 | 12.3 | |
| 8.7 | 4.4 | 24.3 | | 9.5 | 52.3 | 21.8 | | 6.0 | 52.0 | 2.4 | Kb | 9.5 | 31 7.8 | 53.3 | | 8.8 | 30.8 | 16.1 | |
| 9.2 | 5.8 | 4.3 | | 9.5 | 53.0 | 55.1 | | 9.4 | 58.6 | 47.5 | | 9.5 | 28.6 | 38.5 | B | 9.5 | 40.7 | 19.8 | B |
| 9.4 | 15.7 | 31.5 | | 9.5 | 11 0.9 | 26.7 | | 9.4 | 20 5.8 | 8.6 | | 9.2 | 29.3 | 11.6 | | 7.7 | 43.9 | 59.4 | K |
| 9.1 | 24.2 | 57.4 | | 9.5 | 17.4 | 41.5 | | 9.5 | 12.7 | 24.3 | | 9.5 | 36.1 | 33.2 | | 8.0 | 41 1.8 | 39.2 | |
| 9.5 | 24.6 | 26.5 | | 9.5 | 24.0 | 55.1 | | 9.1 | 25.9 | 55.2 | | 9.2 | 36.9 | 25.8 | | 9.5 | 26.3 | 43.9 | |
| 9.3 | 26.4 | 50.6 | | 9.3 | 25.8 | 49.7 | | 9.5 | 49.1 | 26.7 | | 9.5 | 52.7 | 24.3 | | 9.4 | 42 4.7 | 34.0 | |
| 9.2 | 26.4 | 58.7 | | 9.5 | 35.1 | 34.9 | | 9.1 | 52.8 | 54.7 | | 9.5 | 32 11.7 | 15.7 | | 9.5 | 9.3 | 26.5 | |
| 9.5 | 27.3 | 34.0 | | 9.4 | 40.9 | 14.5 | | 7.5 | 55.6 | 52.7 | K | 9.5 | 12.3 | 37.9 | | 8.7 | 43 15.0 | 37.2 | |
| 9.2 | 35.9 | 3.0 | | 9.4 | 47.8 | 45.1 | | 8.4 | 21 4.1 | 7.0 | K | 9.1 | 14.5 | 47.9 | | 8.0 | 22.0 | 25.5 | |
| 7.5 | 44.6 | 12.6 | K | 9.4 | 50.8 | 25.7 | | 8.0 | 13.5 | 19.1 | K | 9.4 | 18.0 | 30.4 | | 9.2 | 21.0 | 6.8 | |
| 7.9 | 56.9 | 53.8 | K | 9.5 | 12 11.6 | 1.6 | | 9.1 | 16.0 | 29.2 | | 9.5 | 21.7 | 14.1 | | 9.2 | 30.5 | 35.7 | |
| 9.5 | 5 4.0 | 58.2 | | 9.5 | 34.9 | 52.1 | | 5.0 | 26.0 | 29.5 | K | 9.2 | 51.1 | 33.7 | b | 9.5 | 44 5.8 | 56.0 | |
| 7.6 | 24.3 | 4.0 | K | 9.0 | 35.5 | 35.3 | B | 9.4 | 35.7 | 35.4 | | 9.5 | 53.6 | 53.9 | | 9.5 | 18.7 | 23.6 | |
| 9.4 | 30.5 | 56.3 | | 8.4 | 40.4 | 9.6 | K | 9.5 | 37.8 | 24.8 | | 8.9 | 33 2.4 | 13.0 | | 9.5 | 19.2 | 31.2 | |
| 9.3 | 31.0 | 9.6 | | 9.4 | 57.0 | 50.4 | | 9.1 | 54.2 | 29.9 | B | 9.3 | 9.8 | 43.2 | | 8.0 | 25.4 | 54.8 | B |
| 9.4 | 49.5 | 58.6 | | 9.5 | 13 20.2 | 2.3 | | 9.3 | 55.9 | 55.4 | | 9.5 | 15.2 | 43.8 | | 9.5 | 46.2 | 3.2 | |
| 9.5 | 49.5 | 2.5 | | 8.5 | 34.3 | 37.9 | | 9.1 | 22 4.2 | 41.0 | B | 9.5 | 15.2 | 54.5 | | 9.2 | 48.0 | 52.5 | |
| 9.0 | 6 0.9 | 15.3 | | 8.7 | 56.8 | 50.2 | | 9.5 | 11.6 | 56.1 | | 9.5 | 17.0 | 53.9 | | 9.2 | 45 4.1 | 56.6 | |
| 9.5 | 4.0 | 30.0 | | 9.0 | 14 8.5 | 30.8 | | 9.5 | 31.8 | 24.8 | | 9.2 | 34.1 | 10.9 | | 8.8 | 29.7 | 15.9 | Kb |
| 9.3 | 19.8 | 16.3 | | 9.4 | 9.4 | 50.8 | | 9.1 | 40.6 | 46.8 | | 9.5 | 34 3.9 | 27.5 | | 9.5 | 48.7 | 55.4 | |
| 8.6 | 23.8 | 50.5 | | 9.5 | 9.7 | 37.8 | | 9.5 | 40.7 | 50.5 | | 9.4 | 16.5 | 19.3 | | 9.5 | 53.2 | 32.8 | |
| 8.5 | 24.4 | 28.3 | | 9.1 | 19.5 | 44.7 | | 9.5 | 41.0 | 5.4 | | 9.5 | 22.6 | 0.2 | | 9.3 | 46 16.3 | 21.0 | |
| 9.2 | 29.2 | 18.5 | | 9.5 | 21.6 | 46.4 | | 9.5 | 57.1 | 8.7 | | 9.5 | 32.4 | 41.0 | | 9.0 | 22.7 | 39.4 | |
| 9.3 | 36.5 | 0.9 | | 8.0 | 22.2 | 10.9 | Lb | 8.0 | 23 7.3 | 56.8 | K | 9.5 | 36.1 | 31.9 | | 9.5 | 40.0 | 8.6 | |
| *10 pr.* | *23.83* | *2.40* | | *10 pr.* | *24.02* | *2.46* | | *10 pr.* | *24.33* | *2.55* | | *10 pr.* | *24.65* | *2.64* | | *10 pr.* | *25.00* | *2.73* | |

| 4493ᵃ | | |
|---|---|---|
| *9.5* | *9 47.0* | *34.4* |

| 4701—4760 | | | | | 4761—4820 | | | | | 4821—4880 | | | | | 4881—4940 | | | | | 4941—5000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ᵐ—22ᵐ | | +36° | | | 22ᵐ | | +36° | | | 22ᵐ | | +36° | | | 22ᵐ | | +36° | | | 22ᵐ | | +36° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 47 | 8.2 | 29.0 | | 9.0 | 0 | 35.0 | 44.4 | | 9.5 | 16 | 5.0 | 38.6 | | 9.4 | 30 | 0.0 | 1.7 | | 9.1 | 44 | 27.2 | 55.3 | Bb |
| 8.5 | | 48.3 | 42.6 | | 9.5 | | 39.3 | 58.6 | | 9.0 | | 6.8 | 52.5 | K | 8.0 | | 6.5 | 58.4 | K | 8.8 | | 38.0 | 8.4 | K |
| 9.5 | | 52.8 | 58.0 | | 9.3 | | 42.0 | 44.4 | | 9.2 | | 16.4 | 10.8 | | 8.8 | | 15.2 | 30.1 | | 9.1 | | 41.6 | 1.7 | K |
| 9.5 | 48 | 5.2 | 12.4 | | 9.5 | | 50.4 | 48.9 | | 8.8 | | 30.3 | 34.6 | | 9.4 | | 23.5 | 55.5 | B | 8.4 | | 54.8 | 2.9 | K |
| 9.4 | | 38.5 | 29.7 | | 9.5 | 1 | 19.5 | 47.5 | | 8.6 | | 34.0 | 39.1 | B | 9.5 | | 25.7 | 59.5 | | 8.7 | 45 | 4.2 | 16.4 | L |
| 9.5 | | 43.2 | 44.3 | | 9.2 | | 29.2 | 25.7 | K | 9.2 | | 34.5 | 33.4 | | 9.5 | | 31.5 | 57.8 | | 9.5 | | 21.6 | 41.3 | |
| 9.3 | | 57.0 | 5.5 | | 9.0 | | 32.7 | 54.9 | B | 9.0 | 18 | 58.2 | 16.3 | | 9.0 | | 32.5 | 27.0 | | 9.5 | | 46.8 | 44.1 | |
| 9.5 | 49 | 8.4 | 22.8 | | 9.5 | 2 | 26.0 | 26.0 | | 9.5 | | 59.8 | 45.5 | | 9.5 | | 46.8 | 14.9 | | 9.4 | | 53.7 | 13.6 | |
| 8.8 | | 9.7 | 14.8 | K | 8.9 | | 37.0 | 56.9 | K | 9.1 | 19 | 1.8 | 10.4 | | 9.3 | 31 | 2.7 | 16.0 | | 8.5 | 46 | 12.4 | 39.9 | |
| 9.0 | | 37.9 | 35.6 | | 9.4 | | 39.3 | 24.3 | | 9.4 | | 19.5 | 7.2 | | 9.2 | | 12.2 | 55.8 | B | 9.5 | | 26.9 | 29.1 | |
| 9.1 | | 50.2 | 30.4 | | 9.0 | | 47.9 | 2.5 | K | 9.5 | | 29.9 | 17.3 | | 9.5 | | 26.6 | 57.3 | | 9.0 | | 36.3 | 5.9 | |
| 8.2 | 50 | 14.5 | 10.2 | K | 8.5 | | 53.2 | 43.3 | K | 8.2 | | 58.5 | 23.2 | K | 9.5 | | 34.9 | 1.8 | | 9.0 | 47 | 12.2 | 15.3 | |
| 9.4 | | 17.7 | 19.0 | | 9.1 | 3 | 5.4 | 8.3 | | 9.5 | 20 | 12.6 | 8.5 | | 9.5 | | 44.8 | 16.4 | | 9.0 | | 16.5 | 35.0 | K |
| 9.0 | | 27.2 | 40.1 | | 8.3 | 4 | 20.0 | 23.3 | K | 7.5 | | 14.1 | 1.9 | K | 9.5 | 32 | 7.1 | 2.4 | | 8.7 | | 18.5 | 7.3 | K |
| 9.5 | | 51.1 | 2.0 | | 9.5 | | 33.8 | 36.4 | | 6.5 | | 21.5 | 43.3 | S | 8.5 | | 9.8 | 32.6 | | 9.4 | | 52.8 | 36.8 | |
| 9.0 | | 54.3 | 56.1 | | 9.5 | | 35.3 | 59.0 | | 9.5 | | 29.1 | 0.2 | | 8.9 | | 19.9 | 9.6 | K | 5.9 | 48 | 18.5 | 19.3 | K |
| 9.5 | 51 | 16.0 | 47.4 | | 9.5 | | 38.3 | 2.4 | | 9.5 | | 51.9 | 27.1 | | 9.5 | | 21.5 | 56.1 | | 9.4 | | 28.5 | 36.3 | |
| 9.4 | | 30.1 | 1.5 | | 9.5 | | 41.1 | 48.0 | | 9.5 | 21 | 8.5 | 57.5 | | 6.3 | | 33.6 | 37.1 | L | 9.2 | | 35.2 | 23.3 | |
| 8.8 | | 30.7 | 21.0 | K | 9.4 | | 46.5 | 52.8 | | 7.8 | | 49.7 | 37.2 | K | 8.0 | | 57.1 | 9.7 | K | 9.0 | | 59.1 | 36.9 | B |
| 8.5 | | 32.2 | 36.6 | | 8.0 | | 55.1 | 34.0 | K | 7.7 | | 51.1 | 24.1 | B | 7.3 | | 58.5 | 58.5 | L | 9.3 | 49 | 40.6 | 22.0 | |
| 9.5 | | 35.5 | 56.8 | | 9.5 | 5 | 16.9 | 43.8 | B | 9.2 | | 58.3 | 24.3 | B | 6.5 | 33 | 0.1 | 34.7 | K | 9.5 | | 48.3 | 54.7 | |
| 9.0 | | 44.7 | 16.3 | | 9.4 | | 17.3 | 0.0 | | 8.1 | 22 | 2.7 | 43.4 | K | 6.0 | | 2.0 | 50.3 | L | 9.4 | | 54.5 | 49.2 | B |
| 9.3 | | 52.4 | 4.4 | B | 9.4 | | 29.9 | 8.3 | | 9.2 | | 4.1 | 3.2 | | 7.8 | | 3.5 | 37.5 | K | 9.4 | 50 | 9.2 | 20.6 | |
| 9.3 | | 55.8 | 8.4 | | 9.5 | | 37.4 | 4.5 | | 9.0 | | 18.2 | 21.1 | | 9.3 | | 16.8 | 22.7 | | 9.5 | | 17.1 | 23.4 | B |
| 9.5 | 52 | 28.7 | 11.2 | | 7.5 | | 44.4 | 56.9 | Kb | 9.5 | | 30.8 | 36.4 | | 7.8 | | 37.4 | 47.2 | L | 9.2 | | 21.3 | 4.1 | |
| 9.3 | | 37.6 | 24.1 | | 9.1 | 6 | 35.3 | 22.8 | | 9.5 | 23 | 1.7 | 12.8 | | 9.5 | 34 | 3.7 | 23.3 | | 9.5 | | 24.6 | 8.6 | |
| 8.0 | | 49.1 | 34.5 | K | 9.1 | | 43.7 | 9.8 | | 9.5 | | 24.3 | 51.3 | | 9.5 | | 7.9 | 30.9 | | 9.3 | | 33.8 | 12.3 | B |
| 9.5 | 53 | 16.5 | 23.8 | | 9.0 | 7 | 27.2 | 20.2 | | 9.4 | | 30.2 | 5.5 | | 8.5 | | 23.2 | 2.0 | | 9.0 | | 40.4 | 31.7 | |
| 9.0 | | 38.4 | 29.3 | | 7.2 | 8 | 1.3 | 7.1 | K | 9.4 | | 44.8 | 42.8 | | 7.6 | | 27.6 | 19.4 | K | 9.2 | | 50.1 | 12.0 | B |
| 9.5 | | 38.5 | 11.8 | | 9.4 | | 30.1 | 0.9 | | 9.5 | | 54.0 | 21.9 | | 9.2 | | 54.2 | 30.6 | | 7.5 | | 52.1 | 37.2 | K |
| 9.5 | | 59.5 | 59.4 | | 9.5 | | 57.8 | 47.5 | | 9.4 | | 59.1 | 36.1 | | 9.5 | | 55.7 | 55.1 | | 9.3 | 51 | 36.6 | 32.4 | |
| 9.5 | 54 | 14.9 | 57.5 | | 9.5 | 9 | 4.7 | 43.4 | | 9.5 | | 59.1 | 59.1 | | 9.5 | 35 | 7.9 | 3.4 | | 9.5 | | 43.6 | 59.3 | |
| 9.0 | | 29.5 | 33.9 | K | 9.5 | | 25.0 | 16.3 | | 9.5 | 24 | 0.7 | 40.6 | | 9.5 | | 8.5 | 15.6 | | 8.8 | 52 | 37.0 | 29.0 | |
| 9.4 | | 31.2 | 36.6 | | 9.0 | | 29.7 | 8.7 | K | 9.0 | | 8.4 | 48.8 | B | 9.0 | | 15.8 | 47.1 | | 8.2 | | 55.5 | 20.9 | L |
| 9.0 | | 46.5 | 16.2 | | 9.3 | | 35.8 | 49.9 | | 9.5 | | 27.6 | 56.9 | | 8.9 | | 17.6 | 55.3 | | 9.5 | 53 | 6.9 | 56.4 | |
| 9.2 | | 51.5 | 8.5 | | 9.1 | | 37.9 | 40.2 | | 9.1 | | 39.3 | 25.0 | | 8.6 | | 36.6 | 29.8 | L | 9.0 | | 18.7 | 8.8 | |
| 9.4 | 55 | 8.3 | 0.4 | | 9.5 | | 45.3 | 16.3 | | 9.5 | | 42.4 | 36.5 | | 9.0 | | 43.8 | 37.2 | | 8.7 | | 24.8 | 48.6 | K |
| 9.1 | | 19.0 | 37.7 | K | 9.0 | | 53.9 | 32.9 | B | 9.5 | | 53.8 | 51.1 | | 9.0 | | 44.0 | 15.3 | | 8.3 | | 31.3 | 34.1 | K |
| 8.5 | | 38.2 | 33.8 | K | 9.5 | 10 | 11.7 | 36.1 | | 9.5 | | 57.1 | 53.6 | | 9.5 | | 45.1 | 4.7 | | 9.5 | | 34.0 | 1.0 | |
| 8.3 | | 42.5 | 14.1 | K | 9.4 | | 17.6 | 59.0 | | 9.4 | | 59.0 | 14.6 | | 7.0 | 36 | 19.5 | 41.0 | K | 9.5 | | 55.1 | 54.2 | |
| 9.0 | | 46.2 | 45.7 | | 9.0 | | 30.2 | 30.5 | K | 9.4 | 25 | 9.8 | 48.4 | B | 9.0 | | 20.5 | 59.6 | K | 9.5 | 54 | 0.4 | 23.0 | |
| 9.3 | 56 | 2.0 | 4.2 | | 9.5 | | 39.1 | 1.5 | | 9.0 | | 22.9 | 7.3 | | 8.9 | | 29.4 | 12.5 | K | 9.3 | | 1.6 | 45.6 | |
| 7.3 | | 4.8 | 16.3 | K | 9.5 | | 54.8 | 27.0 | | 8.5 | | 23.3 | 27.4 | | 8.2 | 37 | 11.5 | 55.8 | K | 9.5 | | 15.8 | 4.4 | |
| 9.3 | | 26.3 | 25.7 | | 9.5 | 11 | 20.9 | 0.2 | | 9.5 | | 34.5 | 46.8 | | 9.1 | | 33.7 | 45.5 | K | 9.0 | | 16.5 | 41.1 | |
| 8.5 | | 31.8 | 53.8 | K | 9.5 | | 35.5 | 30.6 | | 9.4 | | 37.0 | 15.1 | | 8.4 | 38 | 52.9 | 8.9 | | 9.2 | | 21.8 | 22.0 | |
| 8.1 | | 38.5 | 58.0 | K | 8.3 | 12 | 5.7 | 43.3 | K | 9.5 | | 53.2 | 59.6 | | 9.5 | | 56.8 | 16.0 | | 9.2 | | 45.5 | 39.8 | B |
| 9.5 | 57 | 20.0 | 11.8 | | 9.5 | | 56.8 | 40.2 | | 9.5 | 26 | 26.7 | 49.6 | | 9.5 | 39 | 18.5 | 45.8 | | 9.3 | | 46.4 | 37.5 | |
| 9.5 | | 23.5 | 58.3 | | 9.5 | 13 | 29.1 | 0.2 | | 9.4 | | 47.9 | 3.3 | | 8.0 | | 19.2 | 26.4 | Kb | 7.5 | | 48.7 | 12.3 | K |
| 9.0 | | 48.7 | 33.0 | | 9.4 | | 44.9 | 8.5 | | 9.4 | 27 | 2.8 | 21.5 | | 9.0 | 40 | 7.9 | 44.4 | K | 9.3 | 55 | 10.9 | 35.3 | B |
| 9.5 | | 58.9 | 10.5 | B | 8.9 | | 58.1 | 0.0 | | 7.7 | | 22.8 | 3.7 | K | 9.4 | | 16.4 | 1.5 | | 8.1 | | 18.2 | 42.1 | K |
| 9.5 | 58 | 0.8 | 26.1 | | 6.9 | 14 | 7.2 | 34.7 | K | 8.6 | | 40.7 | 21.8 | | 9.3 | | 48.3 | 22.2 | | 9.5 | | 36.1 | 43.9 | |
| 9.4 | | 10.7 | 52.8 | | 8.8 | | 20.8 | 6.8 | | 8.4 | 28 | 2.0 | 33.3 | K | 8.8 | | 48.3 | 54.7 | K | 9.5 | | 37.0 | 6.1 | |
| 9.0 | | 21.4 | 9.0 | K | 9.5 | | 22.7 | 33.8 | | 7.9 | | 4.9 | 20.9 | K | 9.3 | 41 | 4.5 | 6.2 | | 9.2 | 56 | 4.5 | 9.6 | K |
| 9.4 | | 41.7 | 55.8 | | 8.9 | | 47.3 | 33.0 | | 9.5 | | 37.2 | 12.8 | | 6.0 | | 35.5 | 38.5 | K | 9.3 | | 5.6 | 24.5 | B |
| 8.5 | | 52.0 | 46.2 | K | 8.3 | | 55.0 | 14.3 | K | 9.5 | | 44.8 | 1.6 | B | 9.5 | | 35 6 | 48.5 | | 9.1 | | 7.0 | 53.3 | |
| 9.4 | 59 | 0.8 | 50.2 | | ~~9.5~~ | 15 | ~~42.5~~ | ~~46.3~~ | | 9.5 | | 54.3 | 3.1 | | 9.3 | 42 | 19.2 | 27.8 | | 9.5 | | 16.8 | 28.0 | |
| 9.5 | | 12.3 | 30.6 | | 8.9 | | 44.3 | 30.5 | K | 9.5 | 29 | 6.5 | 12.5 | | 9.5 | | 30.8 | 34.6 | | 8.9 | 57 | 22.1 | 30.0 | K |
| 9.0 | | 29.7 | 42.6 | K | 9.0 | | 47.1 | 51.9 | K | 9.5 | | 20.0 | 33.3 | | 9.5 | | 48.6 | 26.7 | | 9.3 | | 30.6 | 57.6 | |
| 9.4 | | 35.8 | 20.1 | | 9.4 | | 58.3 | 51.8 | B | 9.5 | | 20.2 | 53.0 | | 9.5 | 43 | 25.3 | 10.0 | | 9.4 | | 51.7 | 20.7 | |
| 9.5 | 0 | 34.5 | 48.2 | | ~~9.5~~ | 16 | ~~0.5~~ | ~~3.1~~ | | 7.2 | | 35.6 | 0.9 | L | 9.4 | 44 | 24.9 | 54.0 | | 9.2 | 58 | 3.2 | 0.6 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 25.54 | 2.85 | | 10pr. | | 26.10 | 2.95 | | 10pr. | | 26.70 | 3.05 | | 10pr. | | 27.14 | 3.11 | | 10pr. | | 27.80 | 3.19 | |

5001—5031

| | 22ʰ—23ʰ | | +36° | |
|---|---|---|---|---|
| m | | ′ ″ | ′ | |
| 9.5 | 58 | 41.8 | 25.2 | |
| 9.5 | 59 | 17.9 | 23.5 | |
| 6.5 | | 22.8 | 2.2 | K |
| 8.9 | | 40.6 | 10.6 | Kb |
| 9.5 | | 56.7 | 51.1 | |
| 9.2 | 0 | 35.1 | 4.5 | |
| 9.3 | | 53.9 | 29.0 | |
| 9.5 | 2 | 35.1 | 26.9 | |
| 9.5 | | 50.8 | 16.5 | |
| 7.3 | | 57.4 | 54.4 | K |
| 8.0 | 3 | 6.3 | 5.1 | K |
| 7.0 | | 9.8 | 3.7 | K |
| 9.5 | | 13.1 | 20.6 | |
| 9.5 | | 36.1 | 40.6 | B |
| 9.5 | 4 | 6.1 | 32.8 | |
| 9.5 | | 33.2 | 49.3 | |
| 8.9 | | 38.1 | 6.2 | |
| 9.4 | | 41.4 | 12.5 | |
| 9.0 | | 45.3 | 43.1 | |
| 8.0 | | 45.8 | 0.3 | K |
| 6.9 | 5 | 30.6 | 11.1 | K |
| 9.5 | 6 | 15.4 | 49.2 | |
| 8.8 | | 21.6 | 13.2 | K |
| 9.4 | | 29.6 | 59.3 | |
| 9.5 | | 46.6 | 21.1 | |
| 9.4 | 7 | 18.7 | 27.6 | |
| 9.3 | 8 | 3.6 | 57.4 | |
| 9.5 | | 26.4 | 35.8 | |
| 9.5 | | 38.1 | 30.4 | |
| 9.2 | | 54.7 | 43.0 | |
| 9.1 | 9 | 13.5 | 55.7 | |
| | | + | + | |
| 10pr | | 28.35 | 3.24 | |

5032—5062

| | 23ʰ | | +36° | |
|---|---|---|---|---|
| m | | ′ ″ | ′ | |
| 8.5 | 9 | 23.3 | 41.7 | L |
| 8.5 | | 24.8 | 49.2 | L |
| 9.1 | | 35.6 | 3.9 | K |
| 9.5 | | 57.4 | 43.1 | |
| 8.0 | 10 | 14.6 | 57.8 | K |
| 9.5 | | 26.7 | 8.0 | |
| 9.5 | 11 | 0.9 | 30.0 | |
| 9.4 | | 15.1 | 3.9 | |
| 8.6 | | 33.7 | 54.2 | K |
| 9.5 | 12 | 5.6 | 36.2 | |
| 8.8 | | 6.0 | 2.1 | K |
| 9.3 | | 28.4 | 10.5 | |
| 9.1 | | 38.1 | 26.9 | K |
| 9.5 | 13 | 2.4 | 3.2 | |
| 8.8 | | 17.1 | 26.5 | |
| 8.5 | | 33.0 | 0.5 | K |
| 8.5 | | 44.5 | 42.1 | K |
| 9.3 | 14 | 1.5 | 4.8 | B |
| 9.5 | | 5.2 | 21.5 | |
| 9.3 | | 14.9 | 13.9 | |
| 9.5 | | 30.8 | 32.5 | B |
| 9.2 | 15 | 27.6 | 17.0 | a |
| 9.2 | | 59.0 | 26.6 | K |
| 9.0 | 16 | 0.7 | 18.4 | |
| 9.5 | | 4.6 | 50.7 | |
| 9.5 | | 35.3 | 13.6 | |
| 8.8 | | 42.1 | 51.5 | K |
| 9.4 | | 49.1 | 12.1 | |
| 8.5 | | 53.7 | 36.7 | B |
| 8.9 | 17 | 1.0 | 44.9 | K |
| 9.4 | 18 | 2.6 | 19.1 | |
| | | + | + | |
| 10pr | | 28.73 | 3.27 | |

5063—5093

| | 23ʰ | | +36° | |
|---|---|---|---|---|
| m | | ′ ″ | ′ | |
| 9.5 | 18 | 11.3 | 36.3 | |
| 9.5 | | 52.3 | 3.3 | |
| 9.1 | 19 | 16.7 | 38.1 | Bb |
| 8.9 | | 41.1 | 5.6 | |
| 9.1 | 20 | 8.3 | 6.6 | K |
| 9.4 | | 9.5 | 45.3 | B |
| 8.5 | | 28.0 | 14.6 | K |
| 9.5 | 21 | 2.1 | 46.6 | |
| 9.5 | 22 | 44.4 | 38.6 | |
| 9.1 | | 54.6 | 24.0 | b |
| 9.4 | | 55.1 | 7.2 | |
| 9.5 | 23 | 55.6 | 49.6 | |
| 9.5 | 24 | 11.6 | 10.1 | |
| 8.7 | | 52.5 | 56.8 | K |
| 9.4 | 25 | 4.5 | 8.7 | |
| 9.5 | | 39.1 | 55.7 | |
| 9.5 | 26 | 21.0 | 12.5 | |
| 9.5 | | 46.7 | 43.1 | |
| 9.5 | 27 | 7.1 | 34.2 | |
| 7.2 | | 31.9 | 59.3 | K |
| 9.5 | 28 | 15.2 | 12.9 | |
| 9.5 | | 38.3 | 13.1 | |
| 9.4 | | 52.6 | 4.6 | |
| 9.5 | 30 | 6.1 | 14.6 | |
| 8.3 | | 16.4 | 55.4 | K |
| 8.9 | | 28.0 | 34.9 | K |
| 9.5 | | 52.2 | 25.2 | |
| 9.5 | 31 | 12.9 | 57.5 | |
| 9.5 | | 25.5 | 1.3 | |
| 9.5 | | 28.6 | 32.1 | |
| 9.3 | | 40.0 | 50.4 | K |
| | | + | + | |
| 10pr | | 29.24 | 3.30 | |

5094—5124

| | 23ʰ | | +36° | |
|---|---|---|---|---|
| m | | ′ ″ | ′ | |
| 9.2 | 31 | 40.8 | 19.1 | K |
| 9.5 | | 48.6 | 46.3 | |
| 9.1 | 32 | 40.3 | 56.1 | K |
| 9.5 | | 45.5 | 5.0 | |
| 6.5 | | 53.1 | 51.1 | K |
| 9.0 | 33 | 11.7 | 0.2 | K |
| 9.5 | | 28.1 | 2.2 | |
| 9.5 | | 58.6 | 30.4 | |
| 9.0 | 34 | 21.1 | 48.6 | |
| 9.5 | | 36.2 | 23.0 | B |
| 9.5 | 35 | 31.6 | 55.4 | |
| 9.1 | | 34.7 | 0.5 | K |
| 8.5 | | 40.6 | 29.3 | B |
| 9.1 | 36 | 0.6 | 34.0 | |
| 8.8 | | 2.1 | 7.0 | K |
| 9.5 | | 17.9 | 58.1 | |
| 9.3 | | 23.2 | 42.0 | |
| 9.2 | 37 | 32.3 | 43.8 | |
| 9.0 | 38 | 13.6 | 1.4 | B |
| 9.5 | | 35.1 | 59.1 | |
| 8.3 | | 35.9 | 48.0 | K |
| 9.3 | | 39.9 | 28.3 | B |
| 8.7 | | 42.3 | 32.3 | K |
| 7.5 | 39 | 29.1 | 41.7 | L |
| 9.5 | 40 | 31.9 | 43.8 | |
| 9.5 | 41 | 30.6 | 49.7 | |
| 9.4 | 42 | 6.5 | 7.4 | |
| 9.5 | | 16.0 | 3.4 | B |
| 9.5 | 43 | 0.1 | 5.3 | |
| 9.5 | | 33.2 | 23.5 | |
| 9.5 | 44 | 43.2 | 24.5 | |
| | | + | + | |
| 10pr | | 29.70 | 3.32 | |

5125—5155

| | 23ʰ | | +36° | |
|---|---|---|---|---|
| m | | ′ ″ | ′ | |
| 9.4 | 45 | 24.6 | 12.9 | |
| 6.5 | | 39.8 | 8.1 | R |
| 9.4 | 46 | 3.2 | 6.3 | |
| 9.5 | | 49.6 | 49.3 | |
| 9.5 | 47 | 2.7 | 12.2 | |
| 8.5 | | 29.1 | 48.0 | Kb |
| 9.3 | | 40.8 | 57.7 | |
| 9.5 | | 45.4 | 51.0 | |
| 8.9 | | 59.7 | 1.0 | |
| 8.9 | 48 | 27.7 | 53.6 | K |
| 9.4 | | 32.8 | 2.8 | |
| 9.5 | | 42.6 | 46.2 | |
| 9.5 | 49 | 50.0 | 18.3 | |
| 8.6 | 51 | 11.9 | 5.4 | K |
| 9.5 | | 13.0 | 46.8 | |
| 9.5 | | 53.5 | 50.0 | |
| 7.5 | 52 | 16.8 | 59.2 | K |
| 9.0 | | 21.3 | 27.9 | |
| 8.6 | | 45.8 | 3.1 | K |
| 8.4 | 54 | 37.6 | 18.9 | K |
| 9.4 | 55 | 25.3 | 44.1 | |
| 8.2 | 56 | 32.8 | 9.5 | K |
| 9.1 | | 34.5 | 53.9 | |
| 9.0 | 57 | 19.8 | 25.8 | B |
| 9.2 | | 27.3 | 32.0 | |
| 9.5 | | 55.0 | 21.6 | |
| 9.2 | | 55.1 | 0.6 | |
| 9.0 | 58 | 11.3 | 28.2 | |
| 9.4 | | 57.2 | 53.1 | |
| 9.5 | 59 | 41.6 | 26.8 | |
| 9.1 | | 50.5 | 52.1 | K |
| | | + | + | |
| 10pr | | 30.37 | 3.34 | |

5147 a

| | | | | |
|---|---|---|---|---|
| 9.6 | 56 | 49.0 | 16.8 | B |

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵘ | | +37° | | | 2ᵘ | | +37° | | | 2ᵘ | | +37° | | | 2ᵘ—3ᵘ | | +37° | | | 3ᵘ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 2 | 56.0 | 29.3 | | 9.1 | 20 | 28.1 | 20.2 | K | 8.8 | 36 | 37.8 | 55.5 | | 9.5 | 52 | 2.1 | 25.8 | | 9.5 | 6 | 45.0 | 23.7 | |
| 8.9 | 4 | 8.2 | 37.4 | K | 9.2 | | 28.2 | 29.2 | | 9.3 | | 41.3 | 0.3 | | 9.0 | | 25.4 | 14.4 | | 9.4 | | 51.2 | 59.5 | |
| 9.5 | 5 | 0.4 | 4.4 | | 9.0 | | 55.3 | 1.7 | B | 8.8 | | 56.5 | 54.3 | K | 9.3 | | 28.0 | 55.4 | | 9.4 | 7 | 14.7 | 54.6 | |
| 9.0 | | 7.2 | 24.6 | | 9.4 | 21 | 8.1 | 35.1 | | 9.2 | 37 | 3.6 | 48.8 | K | 9.5 | | 57.1 | 35.4 | | 9.3 | | 37.2 | 51.1 | B |
| 8.5 | | 10.2 | 43.8 | K | 8.5 | | 23.1 | 29.9 | K | 9.5 | | 6.6 | 15.1 | | 8.8 | 53 | 19.5 | 8.0 | K | 8.9 | | 41.3 | 4.8 | |
| 8.5 | | 21.5 | 57.7 | K | 9.5 | | 54.7 | 58.4 | | 9.4 | | 12.7 | 1.5 | | 9.2 | | 20.9 | 40.5 | *a* | 9.5 | | 44.3 | 45.9 | |
| 9.4 | | 57.4 | 24.3 | | 8.5 | | 57.6 | 15.4 | K | 8.9 | | 23.2 | 46.3 | K | 9.5 | | 29.4 | 0.1 | B | 9.3 | 8 | 3.4 | 23.3 | |
| 9.2 | | 58.0 | 37.6 | | 9.2 | 22 | 9.5 | 11.3 | | 9.4 | | 34.4 | 42.0 | | 8.5 | | 33.6 | 22.0 | K | 9.3 | | 42.6 | 42.5 | |
| 9.2 | 6 | 8.4 | 1.0 | B | 9.1 | | 23.0 | 52.0 | *b* | 9.0 | | 41.1 | 8.6 | | 9.5 | | 46.2 | 13.0 | | 9.2 | 9 | 4.5 | 48.1 | B |
| 8.9 | | 18.9 | 34.8 | B | 9.2 | | 29.2 | 48.4 | | 9.3 | | 49.0 | 45.2 | B | 9.4 | 54 | 4.5 | 14.5 | | 9.2 | | 10.3 | 11.0 | |
| 9.0 | | 28.0 | 33.0 | | 9.5 | | 37.1 | 11.7 | | 9.2 | 38 | 5.7 | 5.1 | B | 9.4 | | 5.1 | 58.8 | | 7.5 | | 10.7 | 55.6 | B |
| 8.7 | | 43.3 | 42.8 | | 7.0 | | 53.1 | 28.6 | K | 8.3 | | 6.1 | 6.4 | K*b* | 7.0 | | 19.4 | 50.2 | B | 7.9 | | 11.1 | 1.1 | K |
| 9.3 | 8 | 2.4 | 33.8 | K*b* | 9.3 | 23 | 43.4 | 59.9 | K | 9.1 | | 11.3 | 58.3 | | 8.8 | | 30.8 | 35.5 | K | 7.4 | | 12.3 | 24.0 | B |
| 8.6 | | 10.9 | 28.3 | K | 9.1 | | 52.9 | 9.8 | K | 7.0 | | 25.1 | 12.2 | K | 9.3 | | 46.5 | 59.6 | B | 9.2 | | 49.4 | 2.6 | |
| 9.4 | | 19.6 | 44.5 | B | 9.5 | 24 | 1.8 | 5.1 | | 8.2 | | 32.5 | 49.3 | K | 9.4 | | 54.9 | 56.7 | | 9.1 | | 50.3 | 59.2 | |
| 8.8 | | 30.7 | 9.6 | | 9.5 | | 12.1 | 43.0 | | 9.3 | | 33.3 | 41.2 | | 7.0 | | 58.6 | 31.8 | K | 8.2 | | 52.6 | 13.6 | K |
| 9.3 | 9 | 4.3 | 12.2 | B | 9.5 | 25 | 6.5 | 0.6 | | 9.5 | | 43.2 | 17.0 | | 9.2 | 55 | 42.1 | 34.1 | K | 8.9 | 10 | 58.3 | 53.0 | K |
| 8.5 | | 4.9 | 25.3 | K | 9.5 | | 51.5 | 27.2 | *b* | 9.2 | 39 | 18.5 | 16.4 | B | 9.5 | 56 | 14.1 | 29.9 | | 9.2 | 11 | 46.9 | 2.4 | *b* |
| 8.8 | | 4.9 | 32.5 | K | 9.5 | 26 | 40.2 | 54.6 | | 8.9 | | 40.5 | 8.7 | | 9.5 | | 16.1 | 37.1 | | 8.1 | 13 | 22.8 | 53.3 | L |
| 9.1 | | 7.2 | 46.6 | | 9.5 | 27 | 10.5 | 29.2 | B | 8.3 | | 53.1 | 3.4 | K | 9.5 | | 44.6 | 37.8 | | 7.7 | | 34.3 | 7.8 | K |
| 9.3 | | 7.9 | 38.3 | | 9.5 | | 13.6 | 29.3 | B | 9.4 | 40 | 14.4 | 3.6 | | 9.3 | | 46.6 | 50.5 | | 9.3 | 15 | 27.5 | 46.0 | |
| 9.5 | | 24.7 | 48.7 | | 9.2 | | 35.9 | 40.5 | | 9.5 | | 26.6 | 43.6 | | 8.1 | | 48.8 | 12.6 | K | 8.9 | | 37.8 | 15.4 | K |
| 9.5 | | 42.4 | 4.2 | | 9.0 | | 40.1 | 39.5 | | 9.4 | | 26.8 | 9.0 | | 8.0 | | 51.3 | 2.4 | K | 8.9 | | 38.8 | 31.0 | |
| 9.3 | | 50.3 | 5.7 | | 9.4 | | 58.2 | 0.9 | B | 8.5 | 41 | 11.6 | 34.7 | K | 9.5 | 57 | 10.1 | 20.6 | | 9.4 | | 52.0 | 56.3 | |
| 9.5 | 10 | 3.5 | 20.5 | | 9.3 | 28 | 15.8 | 4.1 | *B* | 9.4 | | 23.5 | 50.9 | | 8.0 | 58 | 10.1 | 15.4 | K | 7.8 | | 56.8 | 24.4 | K |
| 9.5 | | 45.2 | 23.2 | | 9.5 | | 22.0 | 7.3 | | 4.8 | | 26.1 | 43.2 | K | 9.5 | | 23.7 | 22.5 | | 9.5 | 16 | 2.8 | 23.4 | B |
| 9.4 | 11 | 4.8 | 16.5 | | 8.9 | 29 | 15.1 | 45.5 | | 9.4 | | 52.6 | 3.4 | | 8.9 | | 45.9 | 20.9 | K | 8.3 | | 25.2 | 15.1 | K |
| 9.5 | | 8.9 | 5.2 | | 6.5 | | 20.7 | 6.9 | K | 9.5 | 42 | 25.1 | 39.3 | | 9.4 | | 50.0 | 58.7 | | 8.0 | | 29.9 | 44.5 | K |
| 9.3 | | 27.1 | 39.8 | | 9.0 | | 22.6 | 19.3 | K | 9.3 | | 55.6 | 21.3 | | 9.5 | | 58.3 | 55.6 | B | 9.4 | | 52.2 | 56.8 | |
| 9.2 | | 29.6 | 1.3 | | 8.8 | | 26.1 | 43.7 | | 9.1 | 43 | 12.5 | 17.5 | | 8.5 | 59 | 28.2 | 48.4 | K | 9.4 | 17 | 27.8 | 45.3 | *B* |
| 9.3 | | 30.1 | 31.9 | B | 6.5 | | 28.1 | 28.5 | K | 9.3 | | 15.0 | 30.0 | B | 9.1 | | 30.0 | 40.1 | | 7.6 | 18 | 5.5 | 32.3 | K |
| 9.5 | | 33.5 | 29.9 | | 9.0 | 30 | 33.1 | 45.0 | K*b* | 8.7 | | 31.2 | 55.7 | | 9.1 | | 49.4 | 20.4 | | 8.8 | 19 | 8.2 | 7.6 | |
| 7.5 | | 49.2 | 42.1 | B | 9.2 | 31 | 22.6 | 43.0 | K | 8.9 | | 36.1 | 12.5 | | 8.7 | | 59.2 | 54.0 | K | 9.5 | | 50.5 | 47.6 | |
| 9.5 | 12 | 10.6 | 57.7 | | 9.4 | | 31.5 | 54.9 | | 9.2 | | 59.0 | 54.5 | *a* | 9.4 | 0 | 23.6 | 32.3 | | 9.5 | 20 | 34.9 | 3.8 | B |
| 9.1 | | 49.1 | 19.5 | K | 9.3 | | 55.3 | 10.6 | | 6.0 | 44 | 34.1 | 45.3 | K*b* | 8.0 | | 52.1 | 48.4 | K | 9.2 | | 35.8 | 55.8 | *b* |
| 7.3 | | 54.1 | 50.8 | K | 8.8 | 32 | 4.9 | 37.6 | | 9.1 | | 38.6 | 37.4 | | 9.3 | 1 | 3.6 | 33.0 | | 9.5 | | 50.2 | 29.7 | |
| 9.0 | 13 | 33.1 | 48.4 | K | 9.1 | | 7.4 | 22.6 | | 9.3 | | 57.2 | 4.1 | | 9.3 | | 39.2 | 24.6 | *B* | 9.3 | 21 | 9.2 | 26.5 | |
| 7.9 | | 33.4 | 2.1 | L | 9.2 | | 16.9 | 14.1 | | 9.3 | 45 | 26.6 | 36.7 | | 9.5 | | 50.0 | 24.4 | | 9.5 | | 15.3 | 43.9 | |
| 9.4 | | 35.0 | 7.0 | | 9.0 | | 33.1 | 35.4 | | 7.8 | | 31.5 | 9.0 | K | 7.5 | 2 | 8.4 | 28.9 | K | 9.0 | 22 | 8.1 | 13.3 | K |
| 8.9 | | 43.9 | 15.5 | | 9.4 | | 39.6 | 13.7 | | 8.3 | 46 | 17.6 | 24.7 | L*b* | 9.0 | | 12.4 | 48.1 | K | 9.2 | | 39.9 | 34.7 | B |
| 9.5 | | 47.5 | 6.7 | | 9.0 | | 41.3 | 34.3 | | 9.1 | | 24.9 | 5.5 | K | 8.0 | | 12.6 | 35.4 | L | 8.7 | | 40.3 | 0.9 | B |
| 9.4 | 14 | 15.1 | 46.6 | | 9.5 | | 52.0 | 13.4 | | 8.2 | | 53.7 | 59.8 | K | 6.6 | | 30.8 | 1.9 | B | 9.0 | | 40.5 | 20.3 | |
| 9.5 | | 20.1 | 49.1 | | 9.5 | 33 | 14.8 | 45.8 | B | 9.3 | 47 | 5.6 | 29.9 | | 8.5 | | 40.2 | 59.3 | K | 6.8 | | 57.8 | 34.4 | K*b* |
| 7.0 | | 26.6 | 36.0 | L | 8.1 | | 16.7 | 59.1 | K | 9.5 | | 5.7 | 52.1 | B | 9.4 | | 47.6 | 8.2 | | 9.4 | 23 | 38.5 | 13.0 | |
| 9.4 | 15 | 5.0 | 9.8 | B | 9.2 | | 20.1 | 14.3 | K | 9.5 | | 23.6 | 6.8 | | 8.9 | 3 | 24.9 | 31.2 | B | 9.5 | | 45.8 | 41.1 | |
| 9.4 | | 30.7 | 14.3 | | 9.0 | | 48.1 | 48.8 | K | 9.5 | | 41.6 | 3.8 | | 9.0 | | 25.1 | 20.2 | | 7.0 | 24 | 15.5 | 32.0 | K |
| 9.4 | | 46.0 | 9.0 | B | 9.5 | 34 | 16.6 | 43.7 | | 9.1 | 48 | 7.6 | 10.1 | K | 9.5 | | 36.6 | 40.5 | | 7.5 | | 20.8 | 18.2 | K |
| 9.0 | | 56.0 | 9.0 | K | 8.1 | | 22.2 | 32.9 | B | 9.5 | | 22.1 | 23.4 | | 9.4 | | 48.4 | 27.5 | | 8.9 | | 39.6 | 57.4 | K |
| 9.0 | | 56.9 | 1.7 | | 8.3 | | 22.3 | 3.0 | K | 9.5 | 49 | 15.6 | 9.3 | | 9.2 | 4 | 26.8 | 59.0 | *b* | 9.0 | | 49.2 | 10.8 | K |
| 9.1 | 16 | 38.3 | 11.1 | B | 9.0 | | 45.9 | 57.3 | K | 9.5 | | 18.1 | 35.8 | | 9.4 | | 44.1 | 42.3 | | 9.5 | | 52.1 | 22.4 | |
| 9.5 | | 41.6 | 39.9 | | 9.0 | 35 | 0.1 | 11.0 | | 7.6 | | 44.0 | 49.0 | R | 8.3 | | 47.9 | 7.1 | K | 9.4 | 25 | 20.9 | 50.6 | B |
| 9.3 | | 44.6 | 52.9 | | 9.5 | | 9.5 | 48.6 | | 9.3 | 50 | 18.2 | 59.8 | | 9.3 | 5 | 16.6 | 39.5 | | 9.5 | | 28.9 | 49.6 | |
| 9.4 | 17 | 12.1 | 46.4 | | 8.3 | | 13.7 | 31.9 | K | 8.1 | | 23.3 | 17.8 | K | 9.4 | | 21.6 | 3.1 | | 9.5 | | 31.0 | 9.0 | |
| 8.8 | | 30.1 | 55.5 | | 8.8 | | 29.9 | 23.7 | K | 9.4 | | 32.6 | 40.5 | | 9.5 | | 34.0 | 59.0 | | 7.5 | | 47.3 | 31.6 | L |
| 8.0 | | 31.6 | 35.7 | L | 9.4 | | 42.1 | 46.4 | B | 7.0 | 51 | 1.1 | 34.0 | K | 9.4 | | 37.1 | 34.7 | | 9.5 | 26 | 35.3 | 59.4 | |
| 9.3 | 18 | 33.0 | 34.7 | | 9.5 | | 47.4 | 27.2 | | 9.0 | | 9.9 | 21.3 | | 9.0 | | 59.4 | 29.5 | | 9.2 | | 46.7 | 36.4 | B |
| 9.0 | 19 | 8.0 | 49.5 | | 9.4 | | 52.5 | 32.4 | B | 9.5 | | 15.2 | 50.3 | | 9.4 | 6 | 12.1 | 0.4 | | 9.0 | 27 | 21.5 | 40.7 | K |
| 9.1 | | 25.2 | 51.0 | B | 9.3 | 36 | 15.6 | 15.8 | | 9.4 | | 15.3 | 44.5 | B | 9.5 | | 16.9 | 36.5 | B | 9.2 | | 30.8 | 52.8 | |
| 9.0 | 20 | 17.4 | 38.2 | | 7.5 | | 18.1 | 27.8 | K | 9.4 | | 48.1 | 8.7 | | 9.5 | | 22.5 | 57.8 | K | 9.5 | 28 | 3.7 | 8.0 | |
| 7.2 | | 22.1 | 35.1 | K | 9.5 | | 34.0 | 35.1 | | 9.5 | | 51.1 | 43.0 | | 9.0 | | 41.2 | 25.7 | B | 8.2 | | 12.9 | 56.9 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *36.29* | *2.81* | | *10 pr.* | | *36.94* | *2.65* | | *10 pr.* | | *37.42* | *2.53* | | *10 pr.* | | *37.96* | *2.37* | | *10 pr.* | | *38.52* | *2.17* | |

**3ᵃ—5ᵃ** **+37°**

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵃ | | +37° | | | 3ᵃ—4ᵃ | | +37° | | | 4ᵃ | | +37° | | | 4ᵃ | | +37° | | | 4ᵃ—5ᵃ | | +37° | |
| m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ | m | | ′ | ″ | ′ |
| 9.4 | 28 | 19.3 | 37.3 | | 9.5 | 52 | 55.5 | 50.9 | | 9.4 | 17 | 48.5 | 57.5 | | 9.5 | 44 | 26.9 | 53.5 | | 9.5 | 56 | 37.3 | 1.7 | |
| 9.0 | | 23.5 | 15.7 | | 8.3 | 53 | 13.4 | 32.2 | B | 9.3 | 18 | 15.3 | 9.6 | | 9.4 | | 44.5 | 15.2 | | 9.5 | 57 | 9.1 | 59.8 | |
| 9.4 | | 44.5 | 34.5 | B | 8.8 | | 19.5 | 32.5 | K | 9.4 | 19 | 18.6 | 18.6 | | 9.5 | | 51.2 | 17.4 | | 9.5 | | 15.2 | 3.8 | |
| 9.5 | 29 | 8.5 | 44.0 | | 9.1 | | 20.5 | 12.6 | K | 9.5 | | 47.5 | 8.0 | | 9.5 | 45 | 8.3 | 58.0 | | 9.4 | | 20.3 | 2.6 | |
| 9.5 | | 10.6 | 51.5 | | 9.5 | | 26.4 | 6.4 | | 9.5 | 20 | 22.7 | 1.0 | | 8.9 | | 10.0 | 23.0 | | 9.3 | | 27.4 | 28.1 | |
| 9.5 | | 39.0 | 0.4 | | 7.0 | | 36.7 | 39.3 | Kb | 9.5 | | 47.2 | 15.9 | | 9.3 | | 36.0 | 15.8 | | 8.2 | | 47.2 | 26.1 | K |
| 9.4 | | 50.2 | 40.0 | B | 7.6 | 54 | 13.5 | 35.2 | K | 9.5 | 21 | 16.4 | 18.8 | | 9.5 | | 36.0 | 1.5 | | 9.5 | | 53.3 | 4.6 | |
| 9.1 | 30 | 15.0 | 18.0 | | 9.5 | | 23.0 | 2.1 | | 9.2 | | 38.8 | 48.8 | b | 9.3 | | 36.0 | 3.7 | | 9.4 | | 58.0 | 11.3 | |
| 9.3 | | 47.3 | 55.8 | | 9.5 | | 30.4 | 5.6 | B | 9.2 | | 42.0 | 57.9 | | 9.3 | 46 | 17.4 | 8.1 | b | 9.5 | 58 | 6.4 | 3.9 | |
| 9.4 | 31 | 30.1 | 57.8 | | 8.1 | | 32.5 | 12.3 | B | 8.0 | | 51.7 | 20.2 | L | 8.8 | | 29.7 | 43.6 | | 9.4 | | 14.2 | 5.6 | |
| 5.7 | | 44.2 | 6.9 | Kb | 9.2 | | 38.7 | 35.2 | B | 9.5 | | 59.5 | 58.9 | | 9.0 | | 37.1 | 54.8 | | 8.8 | | 14.9 | 47.6 | K |
| 9.4 | | 50.5 | 21.6 | | 8.7 | | 57.3 | 9.6 | | 9.3 | 22 | 33.0 | 42.1 | | 9.5 | | 44.1 | 54.5 | | 9.5 | | 36.8 | 11.5 | |
| 8.7 | 32 | 8.4 | 58.1 | | 8.5 | 55 | 24.1 | 3.1 | B | 9.3 | 23 | 24.2 | 38.9 | | 9.4 | | 46.0 | 52.3 | | 8.2 | | 37.2 | 42.8 | K |
| 7.5 | | 18.5 | 6.9 | L | 9.2 | | 28.9 | 10.0 | | 9.5 | | 41.3 | 51.5 | | 9.4 | | 53.2 | 8.6 | | 9.5 | | 43.3 | 4.2 | |
| 9.5 | | 35.8 | 46.7 | | 9.5 | | 53.8 | 55.8 | | 9.5 | 24 | 13.1 | 54.5 | | 9.2 | | 58.1 | 37.0 | | 8.6 | | 51.1 | 25.4 | K |
| 9.5 | 33 | 8.0 | 50.1 | | 7.3 | 56 | 6.0 | 21.5 | L | 9.1 | | 28.0 | 37.4 | Bb | 7.9 | 47 | 9.8 | 37.8 | B | 9.0 | 59 | 13.9 | 39.9 | K |
| 9.5 | | 14.5 | 56.1 | | 8.0 | 57 | 45.5 | 37.7 | L | 9.2 | | 35.3 | 29.6 | | 9.5 | | 13.3 | 52.8 | | 9.5 | | 16.0 | 5.9 | |
| 8.8 | 34 | 24.0 | 16.0 | K | 6.9 | | 57.0 | 41.2 | L | 9.4 | | 44.2 | 17.2 | | 9.5 | | 40.2 | 37.0 | | 9.5 | | 20.8 | 33.0 | |
| 8.2 | | 25.0 | 30.6 | Kb | 8.9 | 58 | 6.0 | 47.0 | | 9.5 | 25 | 19.5 | 17.1 | | 9.5 | 48 | 5.0 | 39.2 | | 9.5 | | 36.9 | 40.0 | |
| 7.5 | | 30.7 | 54.9 | K | 9.0 | | 11.5 | 2.5 | | 9.4 | | 20.7 | 11.3 | | 9.5 | | 17.9 | 58.6 | | 8.3 | | 53.1 | 29.6 | L |
| 8.5 | | 31.2 | 54.9 | K | 6.0 | | 42.0 | 21.2 | L | 7.2 | | 42.0 | 10.8 | K | 9.3 | | 26.5 | 30.3 | | 9.0 | | 54.5 | 25.4 | |
| 8.9 | | 59.7 | 53.3 | K | 5.5 | | 58.0 | 40.1 | Kb | 9.3 | | 58.0 | 0.8 | | 7.0 | | 42.0 | 6.1 | K | 9.5 | 0 | 8.4 | 34.8 | |
| 9.1 | 35 | 24.0 | 7.2 | | 9.5 | 0 | 11.3 | 52.4 | | 9.5 | 26 | 10.1 | 5.2 | | 9.1 | | 55.9 | 45.6 | | 9.5 | | 11.2 | 28.3 | |
| 9.1 | | 31.8 | 48.4 | | 9.5 | | 13.2 | 13.3 | | 9.5 | | 17.5 | 42.5 | | 9.3 | 49 | 8.2 | 45.1 | | 9.5 | | 16.9 | 35.2 | |
| 9.5 | | 38.3 | 29.7 | | 9.4 | | 45.6 | 0.2 | B | 9.5 | | 49.0 | 8.0 | | 5.7 | | 25.2 | 40.2 | K | 8.5 | | 21.3 | 10.5 | K |
| 9.4 | 36 | 48.5 | 3.3 | | 9.3 | | 56.5 | 24.7 | | 9.5 | | 52.6 | 42.9 | | 9.4 | | 40.2 | 48.4 | | 9.5 | | 29.1 | 5.5 | |
| 9.5 | 37 | 16.0 | 30.0 | | 8.3 | 1 | 3.8 | 42.9 | B | 7.2 | 27 | 8.4 | 8.2 | K | 9.3 | | 51.3 | 59.9 | | 6.4 | | 30.2 | 7.0 | K |
| 8.8 | | 30.3 | 38.8 | B | 8.3 | | 13.7 | 40.5 | B | 9.4 | | 23.3 | 19.9 | | 9.4 | 50 | 28.2 | 34.6 | | 9.2 | | 31.0 | 28.8 | |
| 9.4 | 38 | 29.5 | 22.2 | B | 9.5 | | 14.0 | 49.5 | | 9.0 | | 58.5 | 48.4 | Kb | 9.4 | 51 | 0.7 | 21.0 | | 8.6 | | 48.3 | 41.6 | K |
| 7.7 | | 31.1 | 53.6 | K | 9.5 | | 36.5 | 9.1 | | 8.7 | 28 | 11.6 | 6.1 | K | 9.5 | | 13.1 | 13.0 | | 9.0 | | 50.0 | 55.2 | |
| 9.5 | | 53.5 | 57.5 | | 8.8 | | 51.5 | 26.1 | K | 9.5 | | 16.5 | 42.9 | | 9.1 | | 32.9 | 10.5 | | 9.5 | | 58.6 | 48.8 | |
| 9.4 | 39 | 14.5 | 46.0 | | 9.5 | 2 | 8.6 | 23.4 | | 8.0 | | 38.4 | 3.8 | K | 9.4 | | 33.4 | 59.9 | | 9.1 | 1 | 9.2 | 5.5 | |
| 6.5 | 40 | 34.5 | 26.4 | Kb | 9.5 | | 29.5 | 38.0 | | 9.3 | 30 | 6.3 | 49.7 | | 9.4 | | 40.5 | 28.8 | | 9.4 | | 11.3 | 57.4 | |
| 9.5 | | 42.2 | 53.3 | | 8.0 | | 44.0 | 20.9 | K | 6.2 | 31 | 59.9 | 59.4 | K | 8.1 | | 51.3 | 11.3 | K | 8.6 | | 20.2 | 6.9 | K |
| 9.1 | 43 | 26.0 | 49.1 | Kb | 9.0 | | 54.7 | 36.7 | B | 9.5 | 32 | 5.5 | 4.4 | | 9.5 | | 52.0 | 20.2 | | 9.5 | | 25.7 | 56.5 | |
| 9.5 | 44 | 14.2 | 14.3 | | 9.5 | 4 | 2.5 | 0.1 | | 9.4 | | 11.8 | 15.1 | B | 9.5 | 52 | 11.7 | 9.9 | | 7.8 | | 44.5 | 7.1 | K |
| 9.5 | | 19.2 | 19.3 | Bb | 6.0 | | 23.2 | 35.5 | K | 7.8 | | 30.0 | 13.8 | K | 9.3 | | 16.1 | 22.2 | | 8.5 | | 47.9 | 37.2 | |
| 9.5 | | 25.7 | 1.1 | | 9.3 | 5 | 10.3 | 12.6 | B | 9.2 | | 44.3 | 34.2 | b | 9.4 | | 22.3 | 51.5 | | 9.5 | | 57.8 | 16.9 | |
| 9.3 | | 43.6 | 59.8 | | 6.2 | | 15.7 | 10.1 | K | 9.5 | 33 | 33.8 | 54.8 | | 9.3 | | 24.2 | 32.1 | K | 9.2 | 2 | 16.9 | 32.3 | |
| 9.0 | 45 | 22.3 | 45.3 | | 9.0 | | 20.0 | 26.5 | | 9.5 | 34 | 15.3 | 15.1 | | 9.0 | | 24.7 | 10.5 | | 9.5 | | 41.0 | 17.8 | |
| 9.0 | | 49.0 | 47.0 | | 9.0 | | 25.1 | 26.5 | | 9.5 | | 26.3 | 17.0 | | 9.3 | | 26.1 | 1.7 | | 9.5 | | 43.9 | 0.8 | |
| 8.0 | | 55.6 | 53.8 | K | 9.5 | | 43.1 | 54.2 | | 7.0 | | 46.9 | 58.3 | K | 9.4 | | 37.0 | 34.9 | | 8.7 | | 48.5 | 0.7 | K |
| 9.5 | 47 | 29.7 | 32.8 | B | 9.5 | 7 | 18.5 | 52.2 | ♀ | 9.0 | 35 | 6.0 | 21.8 | | 9.5 | | 43.1 | 21.1 | | 9.5 | | 55.3 | 16.0 | |
| 9.1 | 48 | 10.1 | 6.0 | | 9.0 | 8 | 32.5 | 22.7 | | 8.8 | | 48.2 | 27.9 | Kb | 9.5 | | 52.9 | 34.4 | | 8.0 | 3 | 2.2 | 33.8 | B |
| 9.2 | | 39.5 | 20.2 | | 9.2 | | 39.6 | 7.8 | | 9.1 | 36 | 3.1 | 57.4 | | 9.5 | | 54.6 | 58.9 | | 9.5 | | 12.7 | 49.1 | |
| 8.5 | 49 | 14.0 | 15.9 | K | 8.3 | | 44.4 | 12.9 | Kb | 8.5 | 37 | 1.2 | 5.7 | K | 8.8 | 53 | 0.9 | 27.2 | | 9.5 | | 14.4 | 16.5 | |
| 9.5 | | 58.4 | 58.7 | B | 8.5 | 9 | 23.2 | 58.8 | K | 9.2 | | 6.9 | 46.8 | b | 8.4 | | 21.3 | 1.3 | K | 9.5 | | 14.8 | 0.4 | |
| 8.9 | 50 | 1.0 | 2.6 | | 9.4 | | 41.4 | 10.3 | | 8.0 | 39 | 46.4 | 4.8 | K | 9.3 | | 31.2 | 44.8 | | 9.5 | | 16.6 | 44.7 | |
| 9.5 | | 14.0 | 36.3 | | 7.0 | | 51.0 | 38.7 | Lb | 5.5 | 40 | 9.5 | 13.8 | Kb | 9.5 | | 32.4 | 20.4 | | 9.5 | | 21.2 | 48.4 | |
| 9.0 | | 28.3 | 15.7 | K | 9.5 | 10 | 45.9 | 27.5 | | 9.5 | | 26.0 | 57.5 | | 9.4 | | 34.3 | 55.4 | | 9.5 | | 28.7 | 47.2 | |
| 8.8 | | 42.7 | 34.8 | K | 8.9 | 11 | 9.8 | 0.0 | | 9.5 | | 31.3 | 50.0 | | 7.3 | | 50.9 | 3.3 | K | 6.9 | | 30.4 | 10.0 | K |
| 8.9 | | 43.3 | 28.9 | | 7.5 | | 34.9 | 53.8 | K | 9.5 | | 56.9 | 56.2 | | 9.3 | | 55.2 | 30.1 | | 9.4 | | 32.1 | 11.1 | |
| 9.0 | | 53.0 | 41.7 | K | 9.3 | 12 | 40.4 | 26.9 | | 9.1 | | 59.3 | 11.0 | K | 9.4 | | 55.5 | 59.7 | | 8.8 | | 38.6 | 55.4 | |
| 9.3 | 51 | 4.3 | 24.0 | | 7.8 | 13 | 12.7 | 36.9 | K | 8.0 | 41 | 5.7 | 30.0 | K | 9.1 | 54 | 38.2 | 2.2 | | 9.0 | | 52.2 | 43.6 | K |
| 9.5 | | 4.9 | 35.5 | | 9.5 | | 33.6 | 10.3 | | 9.5 | | 7.8 | 42.6 | | 9.4 | 55 | 31.0 | 36.9 | | 9.5 | | 55.4 | 17.6 | |
| 9.5 | | 6.5 | 51.4 | | 9.2 | | 50.2 | 56.9 | | 9.2 | 42 | 3.2 | 54.9 | b | 9.6 | 56 | 14.3 | 3.0 | | 9.5 | 4 | 0.5 | 14.5 | |
| 7.3 | | 29.5 | 57.8 | K | 9.5 | 14 | 5.5 | 9.3 | | 9.2 | | 27.5 | 1.7 | | 9.4 | | 25.8 | 54.3 | | 8.3 | | 9.6 | 1.8 | |
| 8.7 | | 41.2 | 7.3 | | 9.5 | | 31.4 | 46.6 | B | 9.5 | | 41.4 | 15.9 | | 9.4 | | 26.6 | 27.0 | | 9.5 | | 37.0 | 39.7 | |
| 9.0 | 52 | 42.8 | 6.4 | | 9.5 | | 42.1 | 23.0 | | 9.5 | | 46.7 | 34.1 | B | 9.5 | | 27.8 | 9.5 | | 9.5 | | 45.8 | 22.7 | |
| 9.4 | | 42.8 | 41.8 | | 9.1 | 16 | 0.2 | 38.6 | Bb | 9.5 | 43 | 16.0 | 39.4 | | 8.5 | | 36.8 | 0.2 | K | 9.5 | | 51.0 | 56.2 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *39.09* | *1.94* | | *10 pr.* | | *39.65* | *1.65* | | *10 pr.* | | *40.17* | *1.30* | | *10 pr.* | | *40.52* | *0.99* | | *10 pr.* | | *40.64* | *0.86* | |

*1036ᵃ*
*9.5 | 56 22.2 | 2.3*

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵐ | | +37° | | | 5ᵐ | | +37° | | | 5ᵐ | | +37° | | | 5ᵐ | | +37° | | | 5ᵐ | | +37° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.2 | 4 | 51.9 | 20.8 | | 8.6 | 12 | 54.2 | 14.3 | R | 8.4 | 22 | 33.7 | 13.0 | K | 8.3 | 30 | 34.1 | 35.6 | K | 9.5 | 42 | 35.6 | 3.9 | |
| 9.4 | | 57.2 | 58.0 | | 9.2 | | 59.6 | 56.9 | | 8.0 | | 37.6 | 55.5 | K | 7.8 | | 54.1 | 15.1 | B | 9.5 | | 36.9 | 19.2 | |
| 9.2 | | 59.1 | 54.3 | | 9.2 | | 59.9 | 0.3 | | 9.5 | | 40.0 | 7.2 | | 9.5 | 31 | 8.9 | 44.0 | | 9.5 | | 49.0 | 27.6 | |
| 9.5 | 5 | 31.4 | 32.0 | | 9.5 | 13 | 15.4 | 13.0 | | 9.0 | | 52.9 | 55.0 | K | 9.1 | | 33.1 | 59.9 | | 9.4 | 43 | 15.4 | 28.8 | |
| 9.5 | | 32.0 | 14.3 | | 9.3 | | 22.1 | 34.1 | | 8.7 | 23 | 13.1 | 18.7 | | 9.5 | | 55.6 | 22.0 | | 9.4 | | 24.4 | 22.9 | |
| 9.5 | | 48.5 | 3.2 | | 9.4 | | 32.3 | 50.4 | | 9.0 | | 38.6 | 25.7 | | 9.1 | 32 | 1.9 | 7.4 | K | 9.5 | | 29.6 | 17.3 | |
| 9.5 | | 48.9 | 50.9 | | 9.5 | | 45.2 | 30.8 | | 9.5 | | 47.2 | 43.7 | | 8.3 | | 3.1 | 2.3 | K | 6.8 | | 36.2 | 17.7 | K |
| 9.5 | | 51.3 | 20.0 | | 9.4 | | 51.5 | 27.0 | | 9.5 | | 50.9 | 22.0 | | 9.2 | | 11.9 | 39.4 | | 9.5 | | 39.1 | 39.0 | |
| 9.0 | | 59.9 | 12.8 | | 8.1 | | 52.6 | 3.1 | K | 9.5 | 24 | 2.5 | 14.3 | | 9.4 | | 16.7 | 48.4 | | 9.0 | | 47.4 | 58.5 | K |
| 9.2 | 6 | 2.3 | 27.6 | | 9.2 | | 54.4 | 48.0 | | 9.3 | | 4.9 | 47.9 | | 9.4 | | 21.8 | 5.9 | | 9.0 | | 52.7 | 27.6 | Kb |
| 9.0 | | 8.9 | 0.5 | K | 9.3 | 14 | 7.3 | 33.5 | | 9.5 | | 30.2 | 2.5 | | 9.1 | | 38.5 | 11.8 | | 9.5 | 44 | 22.8 | 35.0 | |
| 9.2 | | 9.4 | 44.9 | | 9.4 | | 17.8 | 17.9 | | 9.3 | | 34.1 | 37.3 | | 8.7 | | 53.4 | 54.9 | | 8.9 | | 33.5 | 22.9 | |
| 9.5 | | 39.7 | 1.9 | | 9.3 | | 25.9 | 25.2 | | 9.5 | | 42.7 | 8.5 | | 9.5 | | 57.0 | 28.9 | | 9.5 | | 45.8 | 47.2 | |
| 9.3 | | 44.8 | 55.5 | | 8.5 | | 41.9 | 31.2 | K | 9.4 | | 45.9 | 31.3 | | 9.3 | 33 | 3.9 | 45.9 | | 9.4 | 45 | 2.0 | 3.9 | |
| 8.7 | | 53.9 | 28.1 | | 5.3 | | 48.0 | 14.7 | Kb | 9.1 | | 48.0 | 26.4 | | 9.5 | | 6.3 | 17.7 | | 9.0 | | 35.9 | 4.6 | K |
| 9.5 | 7 | 14.9 | 21.6 | | 9.4 | | 53.3 | 23.6 | | 9.2 | | 48.4 | 40.0 | | 9.3 | | 20.4 | 15.7 | | 9.5 | | 40.8 | 45.4 | |
| 8.8 | | 17.0 | 37.0 | | 8.0 | 15 | 6.1 | 22.1 | K | 9.2 | 25 | 2.4 | 49.8 | | 9.4 | | 43.1 | 18.4 | | 9.5 | | 42.7 | 11.5 | |
| 9.5 | | 17.3 | 45.4 | | 8.4 | | 7.2 | 7.5 | K | 8.8 | | 11.8 | 8.9 | K | 9.5 | | 55.0 | 42.6 | | 9.5 | | 42.7 | 12.9 | |
| 9.2 | | 18.5 | 49.4 | | 9.5 | | 16.9 | 58.9 | | 9.4 | | 12.7 | 44.6 | | 9.5 | 34 | 15.5 | 18.9 | | 9.0 | | 47.5 | 8.4 | |
| 9.4 | | 33.6 | 11.5 | | 9.5 | | 21.4 | 23.4 | | 9.1 | | 14.9 | 29.9 | | 9.5 | | 18.9 | 55.7 | | 8.9 | 46 | 9.8 | 21.7 | |
| 9.5 | | 43.5 | 43.2 | | 9.5 | | 31.5 | 56.2 | | 9.4 | | 16.0 | 38.3 | | 9.5 | | 27.9 | 58.3 | | 9.5 | | 17.2 | 16.8 | |
| 9.0 | | 45.1 | 55.8 | | 7.8 | | 43.4 | 54.8 | K | 7.3 | | 32.9 | 47.9 | K | 9.5 | | 33.5 | 13.2 | | 9.0 | | 26.5 | 37.5 | |
| 8.9 | | 50.7 | 33.0 | | 9.4 | | 44.6 | 23.7 | | 9.5 | | 35.6 | 1.8 | | 9.5 | | 41.5 | 18.5 | | 9.5 | 47 | 6.3 | 31.0 | |
| 9.5 | 8 | 1.3 | 22.8 | | 8.8 | | 58.1 | 49.6 | K | 7.8 | | 37.9 | 55.3 | K | 9.2 | | 42.7 | 7.2 | | 9.0 | | 14.3 | 23.9 | Kb |
| 9.4 | | 14.2 | 4.8 | | 9.5 | 16 | 8.5 | 15.3 | | 9.5 | | 54.0 | 22.0 | | 9.5 | | 54.9 | 40.0 | | 7.2 | | 56.0 | 29.6 | K |
| 9.5 | | 17.6 | 39.8 | | 9.0 | | 14.3 | 13.4 | | 9.5 | 26 | 8.4 | 16.3 | | 8.3 | | 57.1 | 30.6 | L | 9.0 | | 58.8 | 2.4 | |
| 8.0 | | 18.4 | 29.5 | L | 9.4 | | 25.1 | 56.3 | | 8.7 | | 45.1 | 38.0 | | 9.2 | 35 | 36.2 | 33.8 | | 9.0 | | 58.8 | 59.9 | |
| 9.3 | | 33.3 | 5.7 | | 9.4 | | 26.5 | 10.4 | | 9.2 | | 49.5 | 17.5 | | 7.1 | | 53.1 | 35.5 | L | 9.3 | 48 | 15.6 | 13.4 | |
| 8.8 | | 34.9 | 26.6 | | 9.2 | | 29.9 | 53.6 | | 8.2 | | 53.9 | 3.0 | K | 9.5 | | 58.5 | 44.4 | | 9.1 | | 19.5 | 30.8 | |
| 9.0 | | 43.6 | 35.4 | | 9.4 | | 30.2 | 56.3 | | 8.7 | | 54.9 | 43.3 | | 8.8 | | 58.9 | 21.7 | | 9.4 | | 19.9 | 11.6 | |
| 9.1 | | 52.1 | 17.2 | | 9.2 | | 31.1 | 3.7 | | 9.3 | 27 | 0.8 | 3.4 | | 9.5 | 36 | 2.3 | 37.3 | | 9.4 | | 25.9 | 52.6 | |
| 9.5 | | 52.2 | 29.0 | | 9.2 | 17 | 6.9 | 48.0 | | 9.0 | | 20.1 | 57.6 | | 7.1 | | 3.5 | 14.3 | B | 9.5 | | 56.4 | 53.6 | |
| 9.5 | 9 | 3.6 | 21.0 | | 9.5 | | 20.9 | 19.9 | | 9.2 | | 20.5 | 17.0 | | 9.5 | | 14.2 | 25.9 | | 9.1 | | 56.8 | 59.7 | |
| 9.0 | | 6.4 | 1.9 | | 9.5 | | 21.7 | 54.7 | | 9.2 | | 41.3 | 40.5 | | 9.4 | | 24.7 | 32.1 | | 8.4 | | 57.5 | 33.6 | |
| 9.3 | | 11.3 | 36.2 | | 9.4 | | 37.1 | 57.8 | | 9.0 | | 48.5 | 49.3 | | 9.2 | | 25.5 | 51.1 | | 8.4 | 49 | 1.9 | 2.7 | K |
| 8.9 | | 15.5 | 9.6 | K | 8.6 | | 49.9 | 35.5 | | 9.5 | | 49.4 | 21.2 | | 9.4 | | 46.2 | 49.4 | | 9.4 | | 3.3 | 36.5 | |
| 9.5 | | 18.5 | 42.0 | | 9.5 | | 58.6 | 59.9 | | 9.4 | | 49.9 | 5.9 | | 9.1 | | 46.4 | 15.8 | | 9.0 | | 36.0 | 23.4 | |
| 9.5 | | 19.3 | 34.3 | | 9.5 | 18 | 7.3 | 11.6 | | 9.3 | | 49.9 | 1.3 | | 9.4 | 37 | 2.9 | 2.8 | | 9.5 | | 46.6 | 50.3 | |
| 9.2 | | 23.9 | 8.1 | K | 8.5 | | 12.1 | 58.1 | | 9.3 | | 50.2 | 15.7 | | 9.5 | | 6.0 | 31.3 | | 9.3 | | 47.9 | 13.6 | |
| 9.3 | | 30.9 | 27.8 | | 8.5 | | 23.5 | 6.2 | K | 9.3 | 28 | 0.6 | 59.1 | | 9.4 | | 14.1 | 0.0 | | 3.0 | | 50.8 | 12.1 | K |
| 8.4 | | 35.8 | 59.1 | L | 9.4 | | 33.6 | 11.4 | | 9.3 | | 14.9 | 16.2 | | 9.5 | | 23.1 | 54.6 | | 9.5 | 50 | 17.0 | 11.6 | |
| 9.5 | | 47.3 | 40.2 | | 8.3 | 19 | 7.0 | 38.9 | Kb | 7.7 | | 21.3 | 38.9 | K | 9.5 | | 32.4 | 56.5 | | 9.1 | | 34.8 | 37.3 | |
| 8.5 | 10 | 10.2 | 45.0 | L | 8.8 | | 16.3 | 58.8 | | 9.1 | | 25.5 | 36.8 | | 9.1 | | 36.7 | 5.9 | | 9.5 | | 38.5 | 29.1 | |
| 8.4 | | 14.1 | 15.3 | | 9.3 | | 18.1 | 51.1 | | 9.5 | | 28.8 | 22.8 | | 9.5 | | 49.2 | 15.0 | | 9.3 | | 39.7 | 3.4 | |
| 9.5 | | 51.4 | 42.1 | | 8.3 | | 50.2 | 48.6 | K | 9.0 | | 35.2 | 42.8 | K | 9.1 | 38 | 13.6 | 17.7 | b | 8.3 | | 56.5 | 43.2 | K |
| 7.2 | | 52.3 | 17.3 | K | 9.4 | | 51.4 | 10.1 | | 9.3 | | 41.6 | 42.0 | | 8.3 | | 14.4 | 57.4 | B | 9.2 | 51 | 26.9 | 35.8 | |
| 9.5 | | 54.8 | 28.6 | | 9.1 | | 56.9 | 23.7 | | 9.4 | | 46.0 | 46.7 | | 9.5 | | 14.9 | 28.1 | | 9.5 | | 52.5 | 40.0 | |
| 9.5 | | 59.9 | 22.9 | | 8.3 | 20 | 15.0 | 31.4 | L | 9.4 | | 46.4 | 59.0 | | 9.5 | | 25.4 | 41.7 | | 9.2 | | 58.0 | 38.3 | |
| 9.5 | 11 | 0.0 | 8.3 | | 9.5 | | 15.4 | 8.4 | | 9.2 | | 56.1 | 9.9 | | 9.5 | | 40.0 | 49.8 | | 8.6 | 52 | 15.3 | 43.5 | |
| 8.8 | | 11.3 | 19.9 | K | 8.6 | | 19.3 | 12.8 | K | 8.2 | 29 | 3.5 | 39.0 | K | 9.5 | | 57.3 | 5.8 | | 9.2 | | 24.0 | 18.0 | |
| 8.5 | | 16.6 | 58.7 | K | 9.5 | | 30.4 | 23.4 | | 7.6 | | 8.4 | 53.3 | L | 9.0 | 39 | 23.4 | 0.7 | | 8.9 | | 52.8 | 30.6 | |
| 9.5 | | 27.6 | 57.2 | | 9.4 | | 47.9 | 42.0 | | 9.1 | | 8.5 | 47.4 | | 9.5 | | 40.4 | 46.7 | | 9.5 | | 58.6 | 38.6 | |
| 9.5 | | 31.1 | 42.5 | | 9.5 | | 50.8 | 17.6 | | 9.5 | | 19.4 | 3.8 | | 7.8 | 40 | 29.1 | 25.7 | K | 9.5 | 53 | 14.7 | 37.0 | |
| 9.4 | | 43.6 | 43.0 | | 8.5 | | 54.8 | 41.8 | L | 9.5 | | 32.9 | 29.9 | | 8.9 | | 50.7 | 24.2 | | 9.5 | | 29.9 | 28.7 | |
| 9.5 | | 51.4 | 50.1 | | 9.4 | 21 | 43.9 | 56.8 | | 7.0 | | 40.8 | 54.4 | L | 9.5 | 41 | 1.9 | 35.8 | | 9.4 | | 50.0 | 29.8 | |
| 9.5 | | 51.4 | 56.1 | | 9.4 | | 43.9 | 55.3 | | 8.9 | | 46.7 | 5.2 | | 5.0 | | 9.9 | 15.5 | K | 9.5 | | 51.2 | 59.7 | |
| 9.5 | | 55.8 | 47.5 | | 9.5 | | 56.5 | 39.0 | | 7.2 | | 58.3 | 52.6 | L | 9.1 | | 11.0 | 46.6 | | 9.5 | 54 | 8.8 | 18.7 | |
| 9.5 | 12 | 27.9 | 47.9 | | 8.9 | 22 | 8.4 | 16.3 | | 8.8 | 30 | 26.0 | 39.8 | K | 8.7 | | 13.9 | 7.6 | K | 9.3 | | 9.4 | 3.5 | |
| 9.5 | | 30.1 | 13.8 | | 8.0 | | 15.2 | 58.0 | L | 9.4 | | 26.4 | 7.7 | | 9.4 | | 50.4 | 1.3 | | 9.0 | | 12.2 | 11.2 | |
| 7.2 | | 42.0 | 31.8 | L | 9.5 | | 24.9 | 24.5 | | 9.1 | | 31.3 | 51.2 | | 8.0 | 42 | 3.2 | 47.9 | | 9.3 | | 15.7 | 17.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 40.72 | 0.74 | | 10 pr. | | 40.79 | 0.63 | | 10 pr. | | 40.87 | 0.48 | | 10 pr. | | 40.92 | 0.35 | | 10 pr. | | 40.97 | 0.17 | |

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵘ—6ᵘ | | +37° | | | 6ᵘ | | +37° | | | 6ᵘ | | +37° | | | 6ᵘ | | +37° | | | 6ᵘ—7ᵘ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.1 | 54 | 15.9 | 20.0 | | 9.0 | 6 | 56.5 | 58.0 | | 9.2 | 20 | 31.0 | 8.4 | B | 8.6 | 36 | 28.9 | 24.4 | R | 9.2 | 53 | 47.5 | 51.3 | |
| 9.5 | | 21.3 | 59.7 | | 9.4 | 7 | 1.4 | 5.7 | B | 9.5 | 21 | 17.9 | 0.6 | | 8.9 | 37 | 10.9 | 4.3 | B | 8.5 | | 47.7 | 31.6 | |
| 9.5 | | 57.0 | 39.3 | | 9.2 | | 10.9 | 49.7 | | 9.5 | | 24.9 | 0.8 | B | 9.3 | | 39.4 | 11.8 | | 8.7 | | 52.8 | 0.2 | Kb |
| 9.5 | 55 | 0.5 | 27.4 | | 9.5 | | 33.6 | 5.9 | | 6.5 | | 40.4 | 16.2 | K | 9.3 | | 45.2 | 10.8 | B | 9.5 | 54 | 22.2 | 37.7 | |
| 6.7 | | 5.7 | 58.0 | Lb | 9.5 | | 36.8 | 10.7 | | 8.3 | | 41.4 | 31.9 | Kb | 9.4 | | 56.6 | 11.4 | | 7.0 | | 27.8 | 47.6 | K |
| 9.4 | | 23.1 | 21.1 | | 9.5 | 8 | 21.9 | 59.2 | | 9.4 | | 55.9 | 31.1 | | 9.3 | 38 | 35.9 | 55.3 | | 8.7 | | 28.7 | 0.9 | K |
| 8.9 | | 34.0 | 14.6 | | 9.5 | | 27.3 | 43.7 | | 9.5 | 22 | 16.5 | 21.6 | B | 7.1 | 39 | 2.9 | 40.0 | R | 9.5 | | 44.1 | 22.8 | |
| 8.8 | | 34.8 | 24.6 | | 9.4 | | 33.7 | 47.8 | B | 9.5 | | 33.0 | 38.9 | | 7.5 | | 5.0 | 7.8 | K | 8.5 | 55 | 1.3 | 11.2 | |
| 8.8 | | 35.3 | 19.6 | B | 9.5 | | 35.4 | 41.9 | B | 9.5 | | 36.2 | 44.3 | | 9.5 | | 22.4 | 17.2 | | 8.6 | | 1.8 | 58.3 | |
| 9.5 | | 50.2 | 53.0 | | 9.5 | | 55.4 | 18.2 | | 8.6 | 23 | 11.4 | 12.7 | L | 8.5 | | 36.3 | 13.5 | B | 9.3 | | 41.6 | 24.7 | |
| 9.3 | | 51.0 | 39.2 | | 9.1 | 9 | 2.6 | 8.6 | | 8.5 | | 12.0 | 40.4 | K | 8.5 | | 39.5 | 56.0 | | 9.0 | 56 | 17.0 | 53.0 | |
| 9.5 | | 56.8 | 35.5 | | 9.5 | | 7.5 | 49.5 | | 9.1 | | 27.2 | 45.1 | K | 6.5 | | 53.0 | 40.9 | R | 9.2 | | 20.2 | 32.7 | |
| 9.5 | 56 | 4.0 | 10.5 | | 9.5 | | 13.1 | 8.5 | | 9.3 | | 37.9 | 50.8 | | 9.1 | 40 | 9.4 | 11.1 | B | 9.3 | | 39.6 | 48.9 | B |
| 9.1 | | 12.5 | 4.2 | K | 9.2 | | 23.8 | 30.6 | | 9.1 | 24 | 0.8 | 21.0 | | 9.5 | | 14.6 | 26.8 | | 9.3 | | 54.3 | 24.1 | B |
| 9.2 | | 27.8 | 32.4 | | 9.0 | | 29.9 | 32.6 | | 9.5 | | 18.4 | 40.4 | | 9.0 | | 26.9 | 1.5 | K | 9.2 | | 56.4 | 13.3 | K |
| 9.5 | 57 | 13.0 | 56.5 | | 9.2 | | 33.4 | 21.1 | | 8.9 | | 47.3 | 55.1 | | 9.4 | | 27.1 | 14.6 | | 9.5 | 57 | 0.4 | 21.7 | |
| 8.5 | | 17.1 | 10.7 | K | 9.0 | 10 | 3.5 | 15.3 | | 9.3 | | 54.4 | 32.1 | | 9.0 | | 46.0 | 43.3 | | 9.3 | | 11.5 | 26.2 | B |
| 9.1 | | 20.0 | 36.7 | K | 8.4 | | 10.3 | 14.1 | L | 9.0 | 25 | 11.5 | 38.2 | | 8.4 | | 58.5 | 43.7 | | 9.5 | 58 | 17.8 | 17.2 | |
| 9.3 | | 58.6 | 11.6 | | 9.5 | | 13.2 | 16.8 | | 7.2 | | 16.1 | 10.9 | K | 9.5 | 41 | 17.7 | 10.5 | | 9.5 | | 20.6 | 9.8 | |
| 9.0 | 58 | 13.1 | 15.5 | K | 9.2 | | 13.7 | 10.8 | | 6.8 | | 27.4 | 49.9 | S | 9.2 | | 18.1 | 1.4 | K | 6.5 | | 48.8 | 39.7 | K |
| 7.2 | | 14.7 | 59.7 | K | 9.5 | | 15.2 | 25.5 | | 8.6 | | 42.7 | 57.8 | | 9.5 | | 41.6 | 20.9 | | 8.4 | 59 | 3.0 | 45.6 | K |
| 8.2 | | 24.8 | 44.9 | K | 9.3 | | 17.9 | 31.0 | | 9.2 | 26 | 19.2 | 53.7 | | 9.5 | 42 | 27.2 | 14.3 | | 9.5 | | 36.7 | 13.9 | |
| 9.2 | | 35.5 | 58.2 | K | 9.1 | | 37.9 | 45.2 | | 9.3 | | 38.0 | 38.2 | | 9.4 | | 34.4 | 27.6 | | 9.1 | | 50.1 | 27.0 | |
| 8.5 | 59 | 8.6 | 38.5 | K | 9.5 | 11 | 7.5 | 51.6 | | 8.3 | | 38.6 | 25.4 | B | 9.1 | | 30.0 | 34.6 | K | 9.5 | 0 | 7.4 | 27.8 | |
| 9.3 | | 16.2 | 59.2 | | 8.9 | | 8.8 | 25.2 | | 8.7 | | 51.3 | 58.0 | | 9.4 | | 45.2 | 47.6 | | 9.3 | | 20.3 | 30.3 | B |
| 8.9 | | 23.8 | 48.3 | | 7.8 | | 14.5 | 59.9 | L | 8.0 | 27 | 1.0 | 23.3 | B | 8.6 | 43 | 14.0 | 58.3 | B | 9.5 | | 37.3 | 55.1 | |
| 8.3 | | 46.1 | 13.3 | | 9.5 | | 49.4 | 3.5 | | 8.0 | | 1.2 | 1.6 | K | 9.0 | 44 | 7.2 | 44.0 | | 9.5 | | 39.1 | 18.2 | |
| 8.0 | | 58.8 | 35.4 | K | 9.1 | | 51.4 | 30.5 | | 9.3 | | 28.2 | 47.1 | | 9.5 | | 52.0 | 14.2 | | 9.0 | | 45.1 | 37.7 | |
| 8.7 | 0 | 0.0 | 6.8 | K | 9.0 | | 59.5 | 20.9 | | 9.5 | | 53.9 | 57.6 | B | 7.6 | | 52.9 | 7.4 | K | 9.5 | | 55.3 | 36.2 | |
| 9.2 | | 6.1 | 46.6 | | 9.5 | 12 | 13.0 | 9.8 | | 9.2 | 28 | 1.0 | 22.9 | K | 9.3 | 45 | 4.1 | 38.0 | | 8.5 | 1 | 13.6 | 32.4 | L |
| 9.5 | | 42.9 | 2.4 | | 9.5 | | 19.7 | 7.2 | | 9.5 | | 28.8 | 59.9 | | 9.3 | | 15.3 | 55.2 | | 9.4 | | 15.9 | 0.1 | |
| 9.5 | | 46.2 | 55.6 | | 9.5 | | 22.3 | 23.5 | | 9.5 | | 39.8 | 52.7 | | 9.5 | | 58.6 | 7.0 | | 9.2 | | 23.5 | 3.8 | K |
| 9.5 | | 48.3 | 13.1 | | 9.5 | | 32.5 | 2.2 | | 8.0 | | 41.5 | 13.8 | K | 8.7 | 46 | 2.6 | 27.1 | | 9.3 | | 44.6 | 53.5 | K |
| 8.5 | | 58.4 | 43.4 | K | 9.5 | 13 | 30.3 | 41.0 | | 9.1 | 29 | 9.8 | 21.7 | K | 9.5 | | 13.2 | 38.8 | | 9.5 | 2 | 0.0 | 16.8 | |
| 9.2 | 1 | 39.2 | 6.7 | | 9.1 | | 30.4 | 31.9 | K | 9.3 | | 41.5 | 9.6 | | 8.7 | | 13.5 | 33.8 | L | 9.5 | | 17.7 | 1.8 | |
| 9.3 | | 42.0 | 15.6 | | 9.4 | | 40.2 | 38.6 | | 9.5 | | 42.0 | 52.7 | | 8.1 | | 26.9 | 8.0 | K | 9.4 | | 34.2 | 37.2 | |
| 9.2 | | 42.5 | 46.3 | | 9.1 | 14 | 2.8 | 24.8 | | 8.0 | 30 | 19.8 | 52.7 | K | 9.5 | | 53.2 | 19.6 | | 9.5 | 3 | 8.0 | 1.1 | |
| 9.4 | | 48.5 | 57.7 | | 8.8 | | 10.1 | 36.5 | | 8.0 | | 40.4 | 24.4 | Lb | 9.5 | | 57.0 | 10.2 | | 9.2 | | 18.8 | 52.1 | K |
| 9.5 | 2 | 14.7 | 26.7 | | 8.6 | | 11.3 | 42.4 | K | 9.4 | | 48.9 | 11.3 | | 9.5 | 47 | 15.5 | 49.8 | | 9.5 | | 32.8 | 14.3 | |
| 9.4 | | 20.6 | 30.1 | | 9.5 | | 30.2 | 53.2 | | 9.0 | 31 | 21.4 | 13.9 | | 6.9 | | 29.0 | 34.9 | K | 9.5 | | 45.7 | 54.5 | |
| 9.5 | | 55.9 | 39.0 | | 6.8 | | 36.5 | 24.2 | L | 9.5 | | 25.3 | 58.0 | | 9.3 | | 48.0 | 31.6 | K | 9.3 | 4 | 21.9 | 16.2 | |
| 9.5 | 3 | 18.4 | 43.0 | | 9.3 | | 42.4 | 29.5 | | 9.3 | | 26.9 | 17.6 | | 9.5 | | 51.2 | 45.7 | | 9.3 | | 39.6 | 34.7 | B |
| 7.0 | | 38.5 | 11.4 | K | 9.0 | | 59.9 | 16.1 | K | 8.6 | 32 | 3.9 | 45.4 | | 9.4 | 48 | 12.8 | 42.7 | | 9.5 | 5 | 9.1 | 45.1 | |
| 9.3 | | 58.6 | 31.0 | B | 9.5 | 15 | 32.0 | 32.6 | | 9.1 | | 10.5 | 6.6 | K | 9.5 | | 28.9 | 49.6 | | 9.1 | | 10.6 | 32.0 | Bb |
| 9.3 | | 59.4 | 27.0 | | 9.4 | | 46.5 | 55.5 | | 7.8 | | 32.6 | 14.4 | K | 8.4 | | 33.4 | 4.0 | K | 9.5 | | 18.2 | 17.9 | |
| 8.2 | 4 | 2.5 | 0.5 | K | 9.0 | | 50.6 | 47.1 | K | 8.5 | | 33.2 | 50.8 | | 9.4 | | 53.2 | 14.2 | | 9.4 | | 18.4 | 56.5 | |
| 9.3 | | 8.8 | 13.0 | | 9.4 | 16 | 20.2 | 6.2 | | 6.5 | 33 | 23.4 | 16.8 | K | 9.1 | 49 | 37.1 | 20.8 | | 9.4 | | 36.6 | 11.6 | |
| 7.9 | | 9.7 | 21.2 | K | 9.0 | | 32.7 | 34.0 | | 8.0 | | 39.5 | 9.1 | K | 7.5 | | 39.0 | 16.7 | S | 8.7 | | 37.4 | 56.5 | K |
| 8.8 | | 21.2 | 5.5 | K | 8.2 | 17 | 3.5 | 23.1 | K | 9.3 | 34 | 11.4 | 44.7 | K | 7.7 | | 40.6 | 17.0 | | 9.5 | | 56.1 | 17.4 | B |
| 9.5 | | 32.4 | 35.8 | | 9.2 | | 35.4 | 3.7 | B | 9.0 | | 20.9 | 21.6 | K | 9.3 | 50 | 14.2 | 7.8 | | 9.5 | | 59.8 | 38.8 | |
| 9.5 | | 37.3 | 42.9 | B | 9.0 | | 43.6 | 3.8 | B | 7.8 | | 23.1 | 8.2 | K | 9.5 | | 32.6 | 51.0 | | 8.1 | 6 | 7.2 | 1.6 | K |
| 9.4 | | 40.0 | 52.6 | | 9.4 | 18 | 1.1 | 40.5 | | 9.2 | | 27.8 | 5.7 | | 8.6 | | 59.0 | 19.8 | K | 9.2 | | 45.1 | 39.0 | |
| 9.1 | 5 | 3.4 | 11.7 | K | 9.5 | | 5.0 | 19.9 | | 9.5 | | 37.9 | 12.5 | | 9.4 | 51 | 8.3 | 58.3 | | 9.5 | | 54.2 | 59.1 | |
| 9.0 | | 20.8 | 52.4 | | 8.8 | | 31.1 | 15.9 | B | 9.0 | | 42.4 | 39.0 | K | 9.3 | | 19.4 | 25.6 | K | 8.9 | 7 | 2.3 | 28.4 | |
| 8.3 | | 26.9 | 25.8 | | 9.2 | | 29.5 | 22.8 | | 9.5 | 35 | 4.3 | 58.5 | | 9.0 | | 46.7 | 37.7 | K | 9.0 | | 9.1 | 14.0 | |
| 9.5 | | 48.4 | 40.0 | B | 8.3 | | 49.6 | 27.8 | S | 9.1 | | 23.5 | 22.9 | | 9.0 | | 53.0 | 50.2 | K | 9.0 | | 28.8 | 58.3 | |
| 9.0 | 6 | 0.7 | 14.8 | K | 9.5 | 19 | 4.8 | 39.2 | | 8.5 | | 50.9 | 37.3 | | 9.5 | 52 | 19.9 | 9.3 | | 9.5 | | 41.8 | 48.7 | |
| 8.7 | | 4.0 | 47.3 | L | 9.2 | | 21.1 | 52.8 | K | 8.2 | | 53.3 | 55.1 | L | 9.2 | | 21.5 | 54.9 | K | 9.4 | 8 | 29.5 | 3.0 | |
| 7.5 | | 11.3 | 41.9 | L | 9.3 | | 55.4 | 29.9 | | 8.5 | 36 | 17.3 | 25.8 | R | 8.5 | | 49.5 | 34.2 | R | 9.1 | | 30.3 | 16.1 | |
| 8.7 | | 15.9 | 8.4 | K | 8.5 | 20 | 13.9 | 54.4 | K | 8.3 | | 21.4 | 46.3 | L | 8.9 | 53 | 36.9 | 50.2 | L | 9.5 | 9 | 11.2 | 6.4 | |
| 10pr. | | 40.98 | 0.01 | | 10pr. | | 40.96 | 0.18 | | 10pr. | | 40.90 | 0.41 | | 10pr. | | 40.77 | 0.65 | | 10pr. | | 40.61 | 0.89 | |

| 1412ᵃ | | | | |
|---|---|---|---|---|
| 0.6 | 56 | 0.3 | 1.2 | B |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵉ | | +37° | | | 5ᵉ | | +37° | | | 5ᵉ | | +37° | | | 5ᵉ | | +37° | | | 5ᵉ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.2 | 4 | 51.9 | 20.8 | | 8.6 | 12 | 54.2 | 14.3 | R | 8.4 | 22 | 33.7 | 13.0 | K | 8.3 | 30 | 34.1 | 35.6 | K | 9.5 | 42 | 35.6 | 3.9 | |
| 9.4 | | 57.2 | 58.0 | | 9.2 | | 59.6 | 56.9 | | 8.0 | | 37.6 | 55.5 | K | 7.8 | | 54.1 | 15.1 | B | 9.5 | | 36.9 | 19.2 | |
| 9.2 | | 59.1 | 54.3 | | 9.2 | | 59.9 | 0.3 | | 9.5 | | 40.0 | 7.2 | | 9.5 | 31 | 8.9 | 44.0 | | 9.5 | | 49.0 | 27.6 | |
| 9.5 | 5 | 31.4 | 32.0 | | 9.5 | 13 | 15.4 | 13.0 | | 9.0 | | 52.9 | 55.0 | K | 9.1 | | 33.1 | 59.9 | | 9.4 | 43 | 15.4 | 28.8 | |
| 9.5 | | 32.0 | 14.3 | | 9.3 | | 22.1 | 34.1 | | 8.7 | 23 | 13.1 | 18.7 | | 9.5 | | 55.6 | 22.0 | | 9.4 | | 24.4 | 22.9 | |
| 9.5 | | 48.5 | 3.2 | | 9.4 | | 32.3 | 50.4 | | 9.0 | | 38.6 | 25.7 | | 9.1 | 32 | 1.9 | 7.4 | K | 9.5 | | 29.6 | 17.3 | |
| 9.5 | | 48.9 | 50.9 | | 9.5 | | 45.2 | 30.8 | | 9.5 | | 47.2 | 43.7 | | 8.3 | | 3.1 | 2.3 | K | 6.8 | | 36.2 | 17.7 | K |
| 9.5 | | 51.3 | 20.0 | | 9.4 | | 51.5 | 27.0 | | 9.5 | | 50.9 | 22.0 | | 9.2 | | 11.9 | 39.4 | | 9.5 | | 39.1 | 39.0 | |
| 9.0 | | 59.9 | 12.8 | | 8.1 | | 52.6 | 3.1 | K | 9.5 | 24 | 2.5 | 14.3 | | 9.4 | | 16.7 | 48.4 | | 9.0 | | 47.4 | 58.5 | K |
| 9.2 | 6 | 2.3 | 27.6 | | 9.2 | | 54.4 | 48.0 | | 9.3 | | 4.9 | 47.9 | | 9.4 | | 21.8 | 5.9 | | 9.0 | | 52.7 | 27.6 | Kb |
| 9.0 | | 8.9 | 0.5 | K | 9.3 | 14 | 7.3 | 33.5 | | 9.5 | | 30.2 | 2.5 | | 9.1 | | 38.5 | 11.8 | | 9.5 | 44 | 22.8 | 35.0 | |
| 9.2 | | 9.4 | 44.9 | | 9.4 | | 17.8 | 17.9 | | 9.3 | | 34.1 | 37.3 | | 8.7 | | 53.4 | 54.9 | | 8.9 | | 33.5 | 22.9 | |
| 9.5 | | 39.7 | 1.9 | | 9.3 | | 25.9 | 25.2 | | 9.5 | | 42.7 | 8.5 | | 9.5 | | 57.0 | 28.9 | | 9.5 | | 45.8 | 47.2 | |
| 9.3 | | 44.8 | 55.5 | | 8.5 | | 41.9 | 31.2 | K | 9.4 | | 45.9 | 31.3 | | 9.3 | 33 | 3.9 | 45.9 | | 9.4 | 45 | 2.0 | 3.9 | |
| 8.7 | | 53.9 | 28.1 | | 5.3 | | 48.0 | 14.7 | Kb | 9.1 | | 48.0 | 26.4 | | 9.5 | | 6.3 | 17.7 | | 9.0 | | 35.9 | 4.6 | K |
| 9.5 | 7 | 14.9 | 21.6 | | 9.4 | | 53.3 | 23.6 | | 9.2 | | 48.4 | 40.0 | | 9.3 | | 20.4 | 15.7 | | 9.5 | | 40.8 | 45.4 | |
| 8.8 | | 17.0 | 37.0 | | 8.0 | 15 | 6.1 | 22.1 | K | 9.2 | 25 | 2.4 | 49.8 | | 9.4 | | 43.1 | 18.4 | | 9.5 | | 42.7 | 11.5 | |
| 9.5 | | 17.3 | 45.4 | | 8.4 | | 7.2 | 7.5 | K | 8.8 | | 11.8 | 8.9 | K | 9.5 | | 55.0 | 42.6 | | 9.5 | | 42.7 | 12.9 | |
| 9.2 | | 18.5 | 49.4 | | 9.5 | | 16.9 | 58.9 | | 9.4 | | 12.7 | 44.6 | | 9.5 | 34 | 15.5 | 18.9 | | 9.0 | | 47.5 | 8.4 | |
| 9.4 | | 33.6 | 11.5 | | 9.5 | | 21.4 | 23.4 | | 9.1 | | 14.9 | 29.9 | | 9.5 | | 18.9 | 55.7 | | 8.9 | 46 | 9.8 | 21.7 | |
| 9.5 | | 43.5 | 43.2 | | 9.5 | | 31.5 | 56.2 | | 9.4 | | 16.0 | 38.3 | | 9.5 | | 27.9 | 58.3 | | 9.5 | | 17.2 | 16.8 | |
| 9.0 | | 45.1 | 55.8 | | 7.8 | | 43.4 | 54.8 | K | 7.3 | | 32.9 | 47.9 | K | 9.5 | | 33.5 | 13.2 | | 9.0 | | 26.5 | 37.5 | |
| 8.9 | | 50.7 | 33.0 | | 9.4 | | 44.6 | 23.7 | | 9.5 | | 35.6 | 1.8 | | 9.5 | | 41.5 | 18.5 | | 9.5 | 47 | 6.3 | 31.0 | |
| 9.5 | 8 | 1.3 | 22.8 | | 8.8 | | 58.1 | 49.6 | K | 7.8 | | 37.9 | 55.3 | K | 9.2 | | 42.7 | 7.2 | | 9.0 | | 14.3 | 23.9 | Kb |
| 9.4 | | 14.2 | 4.8 | | 9.5 | 16 | 8.5 | 15.3 | | 9.5 | | 54.0 | 22.0 | | 9.5 | | 54.9 | 40.0 | | 7.2 | | 56.0 | 29.6 | K |
| 9.5 | | 17.6 | 39.8 | | 9.0 | | 14.3 | 13.4 | | 9.5 | 26 | 8.4 | 16.3 | | 8.3 | | 57.1 | 30.6 | L | 9.0 | | 58.8 | 2.4 | |
| 8.0 | | 18.4 | 29.5 | L | 9.4 | | 25.1 | 56.3 | | 8.7 | | 45.1 | 38.0 | | 9.2 | 35 | 36.2 | 33.8 | | 9.0 | | 58.8 | 59.9 | |
| 9.3 | | 33.3 | 5.7 | | 9.4 | | 26.5 | 10.4 | | 9.2 | | 49.5 | 17.5 | | 7.1 | | 53.1 | 35.5 | L | 9.3 | 48 | 15.6 | 13.4 | |
| 8.8 | | 34.9 | 26.6 | | 9.2 | | 29.9 | 53.6 | | 8.2 | | 53.9 | 3.0 | K | 9.5 | | 58.5 | 44.4 | | 9.1 | | 19.5 | 30.8 | |
| 9.0 | | 43.6 | 35.4 | | 9.4 | | 30.2 | 56.3 | | 8.7 | | 54.9 | 43.3 | | 8.8 | | 58.9 | 21.7 | | 9.4 | | 19.9 | 11.6 | |
| 9.1 | | 52.1 | 17.2 | | 9.2 | | 31.1 | 3.7 | | 9.3 | 27 | 0.8 | 3.4 | | 9.5 | 36 | 2.3 | 37.3 | | 9.4 | | 25.9 | 52.6 | |
| 9.5 | | 52.2 | 29.0 | | 9.2 | 17 | 6.9 | 48.0 | | 9.0 | | 20.1 | 57.6 | | 7.1 | | 3.5 | 14.3 | B | 9.5 | | 56.4 | 53.6 | |
| 9.5 | 9 | 3.6 | 21.0 | | 9.5 | | 20.9 | 19.9 | | 9.2 | | 20.5 | 17.0 | | 9.5 | | 14.2 | 25.9 | | 9.1 | | 56.8 | 59.7 | |
| 9.0 | | 6.4 | 1.9 | | 9.5 | | 21.7 | 54.7 | | 9.2 | | 41.3 | 40.5 | | 9.4 | | 24.7 | 32.1 | | 8.4 | | 57.5 | 33.6 | |
| 9.3 | | 11.3 | 36.2 | | 9.4 | | 37.1 | 57.8 | | 9.0 | | 48.5 | 49.3 | | 9.2 | | 25.5 | 51.1 | | 8.4 | 49 | 1.9 | 2.7 | K |
| 8.9 | | 15.5 | 9.6 | K | 8.6 | | 49.9 | 35.5 | | 9.5 | | 49.4 | 21.2 | | 9.4 | | 46.2 | 49.4 | | 9.4 | | 3.3 | 36.5 | |
| 9.5 | | 18.5 | 42.0 | | 9.5 | | 58.6 | 59.9 | | 9.4 | | 49.9 | 5.9 | | 9.1 | | 46.4 | 15.8 | | 9.0 | | 36.0 | 23.4 | |
| 9.5 | | 19.3 | 34.3 | | 9.5 | 18 | 7.3 | 11.6 | | 9.3 | | 49.9 | 1.3 | | 9.4 | 37 | 2.9 | 2.8 | | 9.5 | | 46.6 | 50.3 | |
| 9.2 | | 23.9 | 8.1 | K | 8.5 | | 12.1 | 58.1 | | 9.3 | | 50.2 | 15.7 | | 9.5 | | 6.0 | 31.3 | | 9.3 | | 47.9 | 13.6 | |
| 9.3 | | 30.9 | 27.8 | | 8.5 | | 23.5 | 6.2 | K | 9.3 | 28 | 0.6 | 59.1 | | 9.4 | | 14.1 | 0.0 | | 3.0 | | 50.8 | 12.1 | K |
| 8.4 | | 35.8 | 59.1 | L | 9.4 | | 33.6 | 11.4 | | 9.3 | | 14.9 | 16.2 | | 9.5 | | 23.1 | 54.6 | | 9.5 | 50 | 17.0 | 11.6 | |
| 9.5 | | 47.3 | 40.2 | | 8.3 | 19 | 7.0 | 38.9 | Kb | 7.7 | | 21.3 | 38.9 | K | 9.5 | | 32.4 | 56.5 | | 9.1 | | 34.8 | 37.3 | |
| 8.5 | 10 | 10.2 | 45.0 | L | 8.8 | | 16.3 | 58.8 | | 9.1 | | 25.5 | 36.8 | | 9.1 | | 36.7 | 5.9 | | 9.5 | | 38.5 | 29.1 | |
| 8.4 | | 14.1 | 15.3 | | 9.3 | | 18.1 | 51.1 | | 9.5 | | 28.8 | 22.8 | | 9.5 | | 49.2 | 15.0 | | 9.3 | | 39.7 | 3.4 | |
| 9.5 | | 51.4 | 42.1 | | 8.3 | | 50.2 | 48.6 | K | 9.0 | | 35.2 | 42.8 | K | 9.1 | 38 | 13.6 | 17.7 | b | 8.3 | | 56.5 | 43.2 | K |
| 7.2 | | 52.3 | 17.3 | K | 9.4 | | 51.4 | 10.1 | | 9.3 | | 41.6 | 42.0 | | 8.3 | | 14.4 | 57.4 | B | 9.2 | 51 | 26.9 | 35.8 | |
| 9.5 | | 54.8 | 28.6 | | 9.1 | | 56.9 | 23.7 | | 9.4 | | 46.0 | 46.7 | | 9.5 | | 14.9 | 28.1 | | 9.5 | | 52.5 | 40.0 | |
| 9.5 | | 59.9 | 22.9 | | 8.3 | 20 | 15.0 | 31.4 | L | 9.4 | | 46.4 | 59.0 | | 9.5 | | 25.4 | 41.7 | | 9.2 | | 58.0 | 38.3 | |
| 9.5 | 11 | 0.0 | 8.3 | | 9.5 | | 15.4 | 8.4 | | 9.2 | | 56.1 | 9.9 | | 9.5 | | 40.0 | 49.8 | | 8.6 | 52 | 15.3 | 43.5 | |
| 8.8 | | 11.3 | 19.9 | K | 8.6 | | 19.3 | 12.8 | K | 8.2 | 29 | 3.5 | 39.0 | K | 9.5 | | 57.3 | 5.8 | | 9.2 | | 24.0 | 18.0 | |
| 8.5 | | 16.6 | 58.7 | K | 9.5 | | 30.4 | 23.4 | | 7.6 | | 8.4 | 53.3 | L | 9.0 | 39 | 23.4 | 0.7 | | 8.9 | | 52.8 | 30.6 | |
| 9.5 | | 27.6 | 57.2 | | 9.4 | | 47.9 | 42.0 | | 9.1 | | 8.5 | 47.4 | | 9.5 | | 40.4 | 46.7 | | 9.5 | | 58.6 | 38.6 | |
| 9.5 | | 31.1 | 42.5 | | 9.5 | | 50.8 | 17.6 | | 9.5 | | 19.4 | 3.8 | | 7.8 | 40 | 29.1 | 25.7 | K | 9.5 | 53 | 14.7 | 37.0 | |
| 9.4 | | 43.6 | 43.0 | | 8.5 | | 54.8 | 41.8 | L | 9.5 | | 32.9 | 29.9 | | 8.9 | | 50.7 | 24.2 | | 9.5 | | 29.9 | 28.7 | |
| 9.5 | | 51.4 | 50.1 | | 9.4 | 21 | 43.9 | 56.8 | | 7.0 | | 40.8 | 54.4 | L | 9.5 | 41 | 1.9 | 35.8 | | 9.4 | | 50.0 | 29.8 | |
| 9.5 | | 51.4 | 56.1 | | 9.4 | | 43.9 | 55.3 | | 8.9 | | 46.7 | 5.2 | | 5.0 | | 9.9 | 15.5 | K | 9.5 | | 51.2 | 59.7 | |
| 9.5 | | 55.8 | 47.5 | | 9.5 | | 56.5 | 39.0 | | 7.2 | | 58.3 | 52.6 | L | 9.1 | | 11.0 | 46.6 | | 9.5 | 54 | 8.8 | 18.7 | |
| 9.5 | 12 | 27.9 | 47.9 | | 8.9 | 22 | 8.4 | 16.3 | | 8.8 | 30 | 26.0 | 39.8 | K | 8.7 | | 13.9 | 7.6 | K | 9.3 | | 9.4 | 3.5 | |
| 9.5 | | 30.1 | 13.8 | | 8.0 | | 15.2 | 58.0 | L | 9.4 | | 26.4 | 7.7 | | 9.4 | | 50.4 | 1.3 | | 9.0 | | 12.2 | 11.2 | |
| 7.2 | | 42.0 | 31.8 | L | 9.5 | | 24.9 | 24.5 | | 9.1 | | 31.3 | 51.2 | | 8.0 | 42 | 3.2 | 47.9 | | 9.3 | | 15.7 | 17.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 40.72 | 0.74 | | 10 pr. | | 40.79 | 0.63 | | 10 pr. | | 40.87 | 0.48 | | 10 pr. | | 40.92 | 0.35 | | 10 pr. | | 40.97 | 0.17 | |

1401—1460

| | 5ᵐ—6ᵐ | | +37° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.1 | 54 | 15.9 | 20.0 | |
| 9.5 | | 21.3 | 59.7 | |
| 9.5 | | 57.0 | 39.3 | |
| 9.5 | 55 | 0.5 | 27.4 | |
| 6.7 | | 5.7 | 58.0 | Lb |
| 9.4 | | 23.1 | 21.1 | |
| 8.9 | | 34.0 | 14.6 | |
| 8.8 | | 34.8 | 24.6 | |
| 8.8 | | 35.3 | 19.6 | B |
| 9.5 | | 50.2 | 53.0 | |
| 9.3 | | 51.0 | 39.2 | |
| 9.5 | | 56.8 | 35.5 | |
| 9.5 | 56 | 4.0 | 10.5 | |
| 9.1 | | 12.5 | 4.2 | K |
| 9.2 | | 27.8 | 32.4 | |
| 9.5 | 57 | 13.0 | 56.5 | |
| 8.5 | | 17.1 | 10.7 | K |
| 9.1 | | 20.0 | 36.7 | K |
| 9.3 | | 58.6 | 11.6 | |
| 9.0 | 58 | 13.1 | 15.5 | K |
| 7.2 | | 14.7 | 59.7 | K |
| 8.2 | | 24.8 | 44.9 | K |
| 9.2 | | 35.5 | 58.2 | K |
| 8.5 | 59 | 8.6 | 38.5 | K |
| 9.3 | | 16.2 | 59.2 | |
| 8.9 | | 23.8 | 48.3 | |
| 8.3 | | 46.1 | 13.3 | |
| 8.0 | | 58.8 | 35.4 | K |
| 8.7 | 0 | 0.0 | 6.8 | K |
| 9.2 | | 6.1 | 46.6 | |
| 9.5 | | 42.9 | 2.4 | |
| 9.5 | | 46.2 | 55.6 | |
| 9.5 | | 48.3 | 13.1 | |
| 8.5 | | 58.4 | 43.4 | K |
| 9.2 | 1 | 39.2 | 6.7 | |
| 9.3 | | 42.0 | 15.6 | |
| 9.2 | | 42.5 | 46.3 | |
| 9.4 | | 48.5 | 57.7 | |
| 9.5 | 2 | 14.7 | 26.7 | |
| 9.4 | | 20.6 | 30.1 | |
| 9.5 | | 55.9 | 39.0 | |
| 9.5 | 3 | 18.4 | 43.0 | |
| 7.0 | | 38.5 | 11.4 | K |
| 9.3 | | 58.6 | 31.0 | B |
| 9.3 | | 59.4 | 27.0 | |
| 8.2 | 4 | 2.5 | 0.5 | K |
| 9.3 | | 8.8 | 13.0 | |
| 7.9 | | 9.7 | 21.2 | K |
| 8.8 | | 21.2 | 5.5 | K |
| 9.5 | | 32.4 | 35.8 | |
| 9.5 | | 37.3 | 42.9 | B |
| 9.4 | | 40.0 | 52.6 | |
| 9.1 | 5 | 3.4 | 11.7 | K |
| 9.0 | | 20.8 | 52.4 | |
| 8.3 | | 26.9 | 25.8 | |
| 9.5 | | 48.4 | 40.0 | B |
| 9.0 | 6 | 0.7 | 14.8 | K |
| 8.7 | | 4.0 | 47.3 | L |
| 7.5 | | 11.3 | 41.9 | L |
| 8.7 | | 15.9 | 8.4 | K |
| 10 pr. | | 40.98 | 0.01 | |

1461—1520

| | 6ᵐ | | +37° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.0 | 6 | 56.5 | 58.0 | |
| 9.4 | 7 | 1.4 | 5.7 | B |
| 9.2 | | 10.9 | 49.7 | |
| 9.5 | | 33.6 | 5.9 | |
| 9.5 | | 36.8 | 10.7 | |
| 9.5 | 8 | 21.9 | 59.2 | |
| 9.5 | | 27.3 | 43.7 | |
| 9.4 | | 33.7 | 47.8 | B |
| 9.5 | | 35.4 | 41.9 | B |
| 9.5 | | 55.4 | 18.2 | |
| 9.1 | 9 | 2.6 | 8.6 | |
| 9.5 | | 7.5 | 49.5 | |
| 9.5 | | 13.1 | 8.5 | |
| 9.2 | | 23.8 | 30.6 | |
| 9.0 | | 29.9 | 32.6 | |
| 9.2 | | 33.4 | 21.1 | |
| 9.0 | 10 | 3.5 | 15.3 | |
| 8.4 | | 10.3 | 14.1 | L |
| 9.5 | | 13.2 | 16.8 | |
| 9.2 | | 13.7 | 10.8 | |
| 9.5 | | 15.2 | 25.5 | |
| 9.3 | | 17.9 | 31.0 | |
| 9.1 | | 37.9 | 45.2 | |
| 9.5 | 11 | 7.5 | 51.6 | |
| 8.9 | | 8.8 | 25.2 | |
| 7.8 | | 14.5 | 59.9 | L |
| 9.5 | | 49.4 | 3.5 | |
| 9.1 | | 51.4 | 30.5 | |
| 9.0 | | 59.5 | 20.9 | |
| 9.5 | 12 | 13.0 | 9.8 | |
| 9.5 | | 19.7 | 7.2 | |
| 9.5 | | 22.3 | 23.5 | |
| 9.5 | | 32.5 | 2.2 | |
| 9.5 | 13 | 30.3 | 41.0 | |
| 9.1 | | 30.4 | 31.9 | K |
| 9.4 | | 40.2 | 38.6 | |
| 9.1 | 14 | 2.8 | 24.8 | |
| 8.8 | | 10.1 | 36.5 | |
| 8.6 | | 11.3 | 42.4 | K |
| 9.5 | | 30.2 | 53.2 | |
| 6.8 | | 36.5 | 24.2 | L |
| 9.3 | | 42.4 | 29.5 | |
| 9.0 | | 59.9 | 16.1 | K |
| 9.5 | 15 | 32.0 | 32.6 | |
| 9.4 | | 46.5 | 55.5 | |
| 9.0 | | 50.6 | 47.1 | K |
| 9.4 | 16 | 20.2 | 6.2 | |
| 9.0 | | 32.7 | 34.0 | |
| 8.2 | 17 | 3.5 | 23.1 | K |
| 9.2 | | 35.4 | 3.7 | B |
| 9.0 | | 43.6 | 3.8 | B |
| 9.4 | 18 | 1.1 | 40.5 | |
| 9.5 | | 5.0 | 19.9 | |
| 8.8 | | 31.1 | 15.9 | B |
| 9.2 | | 29.5 | 22.8 | |
| 8.3 | | 49.6 | 27.8 | S |
| 9.5 | 19 | 4.8 | 39.2 | |
| 9.2 | | 21.1 | 52.8 | K |
| 9.3 | | 55.4 | 29.9 | |
| 8.5 | 20 | 13.9 | 54.4 | K |
| 10 pr. | | 40.96 | 0.18 | |

1521—1580

| | 6ᵐ | | +37° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.2 | 20 | 31.0 | 8.4 | B |
| 9.5 | 21 | 17.9 | 0.6 | |
| 9.5 | | 24.9 | 0.8 | B |
| 6.5 | | 40.4 | 16.2 | K |
| 8.3 | | 41.4 | 31.9 | Kb |
| 9.4 | | 55.9 | 31.1 | |
| 9.5 | 22 | 16.5 | 21.6 | B |
| 9.5 | | 33.0 | 38.9 | |
| 9.5 | | 36.2 | 44.3 | |
| 8.6 | 23 | 11.4 | 12.7 | L |
| 8.5 | | 12.0 | 40.4 | K |
| 9.1 | | 27.2 | 45.1 | K |
| 9.3 | | 37.9 | 50.8 | |
| 9.1 | 24 | 0.8 | 21.0 | |
| 9.5 | | 18.4 | 40.4 | |
| 8.9 | | 47.3 | 55.1 | |
| 9.3 | | 54.4 | 32.1 | |
| 9.0 | 25 | 11.5 | 38.2 | |
| 7.2 | | 16.1 | 10.9 | K |
| 6.8 | | 27.4 | 49.9 | S |
| 8.6 | | 42.7 | 57.8 | |
| 9.2 | 26 | 19.2 | 53.7 | |
| 9.3 | | 38.0 | 38.2 | |
| 8.3 | | 38.6 | 25.4 | B |
| 8.7 | | 51.3 | 58.0 | |
| 8.0 | 27 | 1.0 | 23.3 | B |
| 8.0 | | 1.2 | 1.6 | K |
| 9.3 | | 28.2 | 47.1 | |
| 9.5 | | 53.9 | 57.6 | B |
| 9.2 | 28 | 1.0 | 22.9 | K |
| 9.5 | | 28.8 | 59.9 | |
| 9.5 | | 39.8 | 52.7 | |
| 8.0 | | 41.5 | 13.8 | K |
| 9.1 | 29 | 9.8 | 21.7 | K |
| 9.3 | | 41.5 | 9.6 | |
| 9.5 | | 42.0 | 52.7 | |
| 8.0 | 30 | 19.8 | 52.7 | K |
| 8.0 | | 40.4 | 24.4 | Lb |
| 9.4 | | 48.9 | 11.3 | |
| 9.0 | 31 | 21.4 | 13.9 | |
| 9.5 | | 25.3 | 58.0 | |
| 9.3 | | 26.9 | 17.6 | |
| 8.6 | 32 | 3.9 | 45.4 | |
| 9.1 | | 10.5 | 6.6 | K |
| 7.8 | | 32.6 | 14.4 | K |
| 8.5 | | 33.2 | 50.8 | |
| 6.5 | 33 | 23.4 | 16.8 | K |
| 8.0 | | 39.5 | 9.1 | K |
| 9.3 | 34 | 11.4 | 44.7 | K |
| 9.0 | | 20.9 | 21.6 | K |
| 7.8 | | 23.1 | 8.2 | K |
| 9.2 | | 27.8 | 5.7 | |
| 9.5 | | 37.9 | 12.5 | |
| 9.0 | | 42.4 | 39.0 | K |
| 9.5 | 35 | 4.3 | 58.5 | |
| 9.1 | | 23.5 | 22.9 | |
| 8.5 | | 50.9 | 37.3 | |
| 8.2 | | 53.3 | 55.1 | L |
| 8.5 | 36 | 17.3 | 25.8 | R |
| 8.3 | | 21.4 | 46.3 | L |
| 10 pr. | | 40.90 | 0.41 | |

1581—1640

| | 6ᵐ | | +37° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 8.6 | 36 | 28.9 | 24.4 | R |
| 8.9 | 37 | 10.9 | 4.3 | B |
| 9.3 | | 39.4 | 11.8 | |
| 9.3 | | 45.2 | 10.8 | B |
| 9.4 | | 56.6 | 11.4 | |
| 9.3 | 38 | 35.9 | 55.3 | |
| 7.1 | 39 | 2.9 | 40.0 | R |
| 7.5 | | 5.0 | 7.8 | K |
| 9.5 | | 22.4 | 17.2 | |
| 8.5 | | 36.3 | 13.5 | B |
| 8.5 | | 39.5 | 56.0 | |
| 6.5 | | 53.0 | 40.9 | R |
| 9.1 | 40 | 9.4 | 11.1 | B |
| 9.5 | | 14.6 | 26.8 | |
| 9.0 | | 26.9 | 1.5 | K |
| 9.4 | | 27.1 | 14.6 | |
| 9.0 | | 46.0 | 43.3 | |
| 8.4 | | 58.5 | 43.7 | |
| 9.5 | 41 | 17.7 | 10.5 | |
| 9.2 | | 18.1 | 1.4 | K |
| 9.5 | | 41.6 | 20.9 | |
| 9.5 | 42 | 27.2 | 14.3 | |
| 9.4 | | 34.4 | 27.6 | |
| 9.1 | | 30.0 | 34.6 | K |
| 9.4 | | 45.2 | 47.6 | |
| 8.6 | 43 | 14.0 | 58.3 | B |
| 9.0 | 44 | 7.2 | 44.0 | |
| 9.5 | | 52.0 | 14.2 | |
| 7.6 | | 52.9 | 7.4 | K |
| 9.3 | 45 | 4.1 | 38.0 | |
| 9.3 | | 15.3 | 55.2 | |
| 9.5 | | 58.6 | 7.0 | |
| 8.7 | 46 | 2.6 | 27.1 | |
| 9.5 | | 13.2 | 38.8 | |
| 8.7 | | 13.5 | 33.8 | L |
| 8.1 | | 26.9 | 8.0 | K |
| 9.5 | | 53.2 | 19.6 | |
| 9.5 | | 57.0 | 10.2 | |
| 9.5 | 47 | 15.5 | 49.8 | |
| 6.9 | | 29.0 | 34.9 | K |
| 9.3 | | 48.0 | 31.6 | K |
| 9.5 | | 51.2 | 45.7 | |
| 9.4 | 48 | 12.8 | 42.7 | |
| 9.5 | | 28.9 | 49.6 | |
| 8.4 | | 33.4 | 4.0 | K |
| 9.4 | | 53.2 | 14.2 | |
| 9.1 | 49 | 37.1 | 20.8 | |
| 7.5 | | 39.0 | 16.7 | S |
| 7.7 | | 40.6 | 17.0 | |
| 9.3 | 50 | 14.2 | 7.8 | |
| 9.5 | | 32.6 | 51.0 | |
| 8.6 | | 59.0 | 19.8 | K |
| 9.4 | 51 | 8.3 | 58.3 | |
| 9.3 | | 19.4 | 25.6 | K |
| 9.0 | | 46.7 | 37.7 | K |
| 9.0 | | 53.0 | 50.2 | K |
| 9.5 | 52 | 19.9 | 9.3 | |
| 9.2 | | 21.5 | 54.9 | K |
| 8.5 | | 49.5 | 34.2 | R |
| 8.9 | 53 | 36.9 | 50.2 | L |
| 10 pr. | | 40.77 | 0.65 | |

1641—1700

| | 6ᵐ—7ᵐ | | +37° | |
|---|---|---|---|---|
| m | ′ | ″ | ′ | |
| 9.2 | 53 | 47.5 | 51.3 | |
| 8.5 | | 47.7 | 31.6 | |
| 8.7 | | 52.8 | 0.2 | Kb |
| 9.5 | 54 | 22.2 | 37.7 | |
| 7.0 | | 27.8 | 47.6 | K |
| 8.7 | | 28.7 | 0.9 | K |
| 9.5 | | 44.1 | 22.8 | |
| 8.5 | 55 | 1.3 | 11.2 | |
| 8.6 | | 1.8 | 58.3 | |
| 9.3 | | 41.6 | 24.7 | |
| 9.0 | 56 | 17.0 | 53.0 | |
| 9.2 | | 20.2 | 32.7 | |
| 9.3 | | 39.6 | 48.9 | B |
| 9.3 | | 54.3 | 24.1 | B |
| 9.2 | | 56.4 | 13.3 | K |
| 9.5 | 57 | 0.4 | 21.7 | |
| 9.3 | | 11.5 | 26.2 | B |
| 9.5 | 58 | 17.8 | 17.2 | |
| 9.5 | | 20.6 | 9.8 | |
| 6.5 | | 48.8 | 39.7 | K |
| 8.4 | 59 | 3.0 | 45.6 | K |
| 9.5 | | 36.7 | 13.9 | |
| 9.1 | | 50.1 | 27.0 | |
| 9.5 | 0 | 7.4 | 27.8 | |
| 9.3 | | 20.3 | 30.3 | B |
| 9.5 | | 37.3 | 55.1 | |
| 9.5 | | 39.1 | 18.2 | |
| 9.0 | | 45.1 | 37.7 | |
| 9.5 | | 55.3 | 36.2 | |
| 8.5 | 1 | 13.6 | 32.4 | L |
| 9.4 | | 15.9 | 0.1 | |
| 9.2 | | 23.5 | 3.8 | K |
| 9.3 | | 44.6 | 53.5 | K |
| 9.5 | 2 | 0.0 | 16.8 | |
| 9.5 | | 17.7 | 1.8 | |
| 9.4 | | 34.2 | 37.2 | |
| 9.5 | 3 | 8.0 | 1.1 | |
| 9.2 | | 18.8 | 52.1 | K |
| 9.5 | | 32.8 | 14.3 | |
| 9.5 | | 45.7 | 54.5 | |
| 9.3 | 4 | 21.9 | 16.2 | |
| 9.3 | | 39.6 | 34.7 | B |
| 9.5 | 5 | 9.1 | 45.1 | |
| 9.1 | | 10.6 | 32.0 | Bb |
| 9.5 | | 18.2 | 17.9 | |
| 9.4 | | 18.4 | 56.5 | |
| 9.4 | | 36.6 | 11.6 | |
| 8.7 | | 37.4 | 56.5 | K |
| 9.5 | | 56.1 | 17.4 | B |
| 9.5 | | 59.8 | 38.8 | |
| 8.1 | 6 | 7.2 | 1.6 | K |
| 9.2 | | 45.1 | 39.0 | |
| 9.5 | | 54.2 | 59.1 | |
| 8.9 | 7 | 2.3 | 28.4 | |
| 9.0 | | 9.1 | 14.0 | |
| 9.0 | | 28.8 | 58.3 | |
| 9.5 | | 41.8 | 48.7 | |
| 9.4 | 8 | 29.5 | 3.0 | |
| 9.1 | | 30.3 | 16.1 | |
| 9.5 | 9 | 11.2 | 6.4 | |
| 10 pr. | | 40.61 | 0.89 | |

1412ᵃ

| | | | | |
|---|---|---|---|---|
| 0.6 | 56 | 0.3 | 1.2 | B |

1701—1760

| m | 7ᵘ | | +37° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.4 | 9 | 21.1 | 32.4 | |
| 8.8 | | 50.4 | 43.7 | |
| 9.5 | 10 | 1.8 | 46.2 | |
| 9.4 | | 30.2 | 25.8 | |
| 9.5 | 11 | 34.8 | 41.0 | |
| 7.1 | | 43.4 | 56.0 | K |
| 5.3 | 12 | 22.1 | 2.0 | Kb |
| 9.4 | | 38.6 | 16.2 | |
| 9.5 | | 47.7 | 12.5 | |
| 9.5 | 13 | 23.6 | 9.5 | |
| 9.4 | | 44.9 | 48.6 | |
| 9.5 | 14 | 0.0 | 41.0 | B |
| 9.4 | 15 | 18.1 | 29.5 | |
| 9.2 | | 47.2 | 18.0 | K |
| 9.3 | 16 | 2.2 | 15.8 | B |
| 9.5 | | 35.2 | 28.7 | |
| 9.1 | | 37.4 | 17.9 | Kb |
| 8.3 | 17 | 35.5 | 53.6 | K |
| 9.1 | 18 | 1.4 | 5.7 | K |
| 8.9 | | 13.5 | 1.7 | K |
| 8.9 | | 28.9 | 27.9 | B |
| 9.0 | | 44.6 | 41.1 | |
| 9.4 | | 59.5 | 34.0 | |
| 9.2 | 19 | 42.7 | 13.2 | K |
| 8.0 | 20 | 3.1 | 26.4 | K |
| 9.5 | | 26.7 | 1.1 | |
| 9.5 | | 33.1 | 52.9 | |
| 9.5 | | 40.3 | 17.9 | B |
| 8.5 | | 41.9 | 4.4 | K |
| 9.5 | 21 | 3.2 | 45.6 | |
| 8.5 | | 7.0 | 41.4 | K |
| 9.4 | | 15.5 | 38.7 | |
| 9.5 | | 25.5 | 1.3 | |
| 9.4 | | 32.4 | 56.3 | Kb |
| 9.5 | 22 | 0.6 | 34.1 | |
| 9.3 | | 1.0 | 3.1 | |
| 8.8 | | 50.4 | 38.0 | |
| 7.8 | 23 | 20.4 | 19.3 | K |
| 9.5 | | 30.5 | 52.0 | |
| 6.5 | | 42.2 | 30.1 | K |
| 8.5 | | 42.9 | 38.3 | K |
| 9.2 | 24 | 19.5 | 9.8 | b |
| 9.4 | 26 | 26.4 | 10.0 | |
| 9.5 | | 52.3 | 22.4 | |
| 9.1 | 27 | 46.1 | 11.4 | |
| 9.3 | 28 | 4.3 | 57.3 | |
| 8.1 | | 15.8 | 6.3 | K |
| 9.5 | | 43.9 | 3.0 | |
| 9.1 | 29 | 37.8 | 48.9 | b |
| 9.1 | | 48.9 | 18.2 | K |
| 9.5 | 30 | 6.5 | 27.7 | |
| 9.5 | | 38.7 | 43.1 | |
| 9.3 | 31 | 20.0 | 42.3 | K |
| 9.4 | | 30.0 | 6.9 | |
| 9.2 | | 48.1 | 46.9 | B |
| 7.6 | 32 | 0.8 | 45.7 | B |
| 9.4 | | 20.4 | 15.4 | |
| 9.4 | | 32.0 | 9.3 | |
| 7.7 | | 47.0 | 25.7 | K |
| 9.0 | | 49.4 | 7.8 | K |

| | + | — |
|---|---|---|
| 10pr. | 40.34 | 1.16 |

1761—1820

| m | 7ᵘ | | +37° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.3 | 33 | 16.3 | 2.6 | |
| 9.4 | | 58.6 | 3.0 | |
| 9.5 | 34 | 26.5 | 55.2 | |
| 9.5 | | 32.8 | 6.3 | |
| 9.5 | | 50.9 | 35.7 | |
| 9.2 | | 55.7 | 2.4 | K |
| 9.2 | 35 | 0.1 | 14.9 | |
| 9.3 | 36 | 3.7 | 3.1 | |
| 5.3 | | 58.4 | 51.9 | K |
| 9.4 | 37 | 9.5 | 21.8 | |
| 9.5 | | 25.5 | 31.4 | |
| 8.7 | 38 | 9.8 | 45.6 | |
| 9.2 | | 9.9 | 19.5 | |
| 9.5 | | 22.3 | 51.9 | |
| 8.8 | | 55.6 | 3.5 | K |
| 9.4 | 39 | 11.1 | 2.4 | |
| 9.5 | | 32.7 | 26.6 | |
| 8.3 | | 43.4 | 28.4 | K |
| 8.2 | | 53.3 | 59.5 | K |
| 9.4 | 40 | 21.4 | 14.5 | |
| 7.7 | 41 | 28.5 | 35.0 | K |
| 8.7 | | 30.9 | 9.3 | |
| 9.5 | | 37.4 | 52.5 | |
| 6.8 | | 37.9 | 27.0 | K |
| 9.5 | 42 | 0.7 | 16.3 | |
| 9.3 | | 10.6 | 6.8 | |
| 9.3 | 43 | 0.3 | 36.2 | |
| 9.3 | | 21.9 | 0.9 | |
| 9.4 | | 28.3 | 4.7 | B |
| 9.2 | | 44.8 | 54.0 | K |
| 9.2 | | 54.0 | 48.1 | |
| 8.9 | 44 | 5.4 | 2.4 | K |
| 9.5 | | 6.6 | 24.2 | |
| 9.5 | | 17.9 | 23.3 | |
| 7.3 | | 36.4 | 6.9 | K |
| 9.4 | | 43.5 | 39.3 | B |
| 9.3 | | 48.7 | 9.0 | |
| 9.4 | | 50.8 | 37.1 | |
| 7.8 | 45 | 34.2 | 34.2 | K |
| 8.0 | | 54.6 | 20.7 | K |
| 9.1 | 46 | 7.4 | 39.6 | |
| 9.1 | | 40.5 | 3.4 | |
| 8.9 | | 58.7 | 46.4 | |
| 8.3 | 47 | 10.5 | 16.7 | K |
| 8.7 | | 24.3 | 50.8 | |
| 9.5 | | 35.1 | 0.0 | |
| 9.2 | 48 | 27.6 | 34.5 | R |
| 9.4 | | 35.7 | 46.1 | |
| 9.2 | | 38.9 | 17.2 | |
| 9.4 | | 50.5 | 26.8 | B |
| 9.5 | 49 | 2.6 | 22.8 | |
| 9.0 | | 24.8 | 58.0 | |
| 8.0 | | 58.7 | 29.2 | K |
| 9.5 | 51 | 23.6 | 16.0 | |
| 9.5 | 52 | 3.7 | 45.4 | |
| 9.5 | | 34.2 | 0.5 | |
| 9.4 | 53 | 3.9 | 19.3 | |
| 8.8 | | 43.4 | 46.4 | |
| 6.5 | | 52.7 | 32.6 | K |
| 9.3 | 55 | 16.5 | 41.9 | |

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|---|---|---|
| 10pr. | 39.94 | 1.46 |

1821—1880

| m | 7ᵘ—8ᵘ | | +37° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.2 | 55 | 28.1 | 6.9 | K |
| 8.8 | 56 | 22.7 | 17.4 | Kb |
| 9.5 | 57 | 37.8 | 46.1 | |
| 9.0 | 58 | 15.4 | 52.0 | K |
| 8.7 | 59 | 16.7 | 37.2 | |
| 9.1 | | 32.7 | 53.0 | |
| 8.8 | | 37.5 | 38.2 | |
| 8.5 | | 49.3 | 59.6 | Lb |
| 9.2 | 0 | 17.9 | 24.6 | |
| 9.1 | | 57.4 | 58.0 | |
| 8.1 | | 58.5 | 45.4 | K |
| 8.9 | 1 | 16.0 | 3.7 | K |
| 9.4 | | 42.8 | 53.3 | |
| 8.9 | | 57.7 | 12.8 | K |
| 9.5 | 3 | 4.8 | 29.7 | |
| 9.3 | | 19.6 | 22.5 | |
| 9.2 | | 35.2 | 30.9 | |
| 9.5 | | 36.1 | 23.5 | B |
| 8.7 | | 57.0 | 37.9 | K |
| 9.4 | 6 | 4.5 | 57.0 | B |
| 8.9 | | 29.0 | 52.8 | L |
| 9.5 | 7 | 0.5 | 14.5 | |
| 9.2 | | 4.1 | 43.8 | K |
| 9.5 | | 11.5 | 2.2 | B |
| 9.5 | | 37.0 | 25.5 | |
| 9.0 | 8 | 5.6 | 44.4 | K |
| 9.4 | | 17.9 | 2.4 | |
| 7.8 | | 42.0 | 36.9 | K |
| 7.3 | | 54.8 | 30.4 | K |
| 9.5 | 10 | 0.3 | 51.8 | |
| 9.5 | | 24.6 | 52.4 | |
| 9.5 | 11 | 34.0 | 43.4 | |
| 9.4 | 12 | 48.1 | 1.0 | |
| 9.5 | 13 | 25.4 | 0.5 | |
| 9.5 | 14 | 4.4 | 10.8 | |
| 7.3 | 15 | 58.0 | 51.9 | K |
| 7.5 | 16 | 36.2 | 26.5 | L |
| 8.4 | | 52.7 | 9.1 | B |
| 8.0 | 17 | 24.9 | 6.5 | K |
| 9.3 | 18 | 0.0 | 44.0 | K |
| 9.2 | | 20.8 | 58.3 | K |
| 9.5 | | 36.0 | 20.0 | |
| 9.4 | | 45.8 | 26.9 | |
| 7.5 | | 57.1 | 29.2 | B |
| 9.1 | 19 | 45.3 | 4.5 | K |
| 9.3 | 20 | 2.8 | 38.9 | Kb |
| 9.0 | | 17.0 | 42.9 | K |
| 8.0 | | 32.7 | 33.4 | K |
| 9.5 | 21 | 30.0 | 20.0 | |
| 6.5 | | 56.7 | 45.3 | K |
| 9.3 | 22 | 30.5 | 11.4 | |
| 9.3 | | 54.2 | 16.0 | |
| 9.0 | 23 | 3.5 | 58.3 | S |
| 9.2 | | 5.6 | 21.8 | B |
| 9.5 | | 28.7 | 4.5 | |
| 9.0 | | 40.1 | 34.5 | |
| 8.6 | 24 | 18.1 | 35.4 | |
| 9.5 | | 50.5 | 48.4 | |
| 9.5 | 25 | 17.0 | 10.8 | |
| 9.2 | | 20.5 | 41.0 | |

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|---|---|---|
| 10pr. | 39.37 | 1.80 |

1881—1940

| m | 8ᵘ | | +37° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.5 | 26 | 35.1 | 0.7 | |
| 9.5 | 27 | 4.1 | 26.4 | B |
| 9.5 | | 25.3 | 51.8 | |
| 9.3 | | 53.7 | 3.3 | |
| 7.5 | 28 | 58.0 | 31.8 | K |
| 9.5 | | 59.2 | 41.0 | |
| 9.5 | 29 | 18.0 | 44.5 | |
| 9.5 | | 44.8 | 33.6 | B |
| 9.1 | 30 | 55.7 | 11.8 | |
| 9.4 | 31 | 19.6 | 4.3 | |
| 8.5 | 32 | 15.8 | 44.0 | B |
| 9.5 | | 56.3 | 23.5 | |
| 8.1 | 33 | 0.2 | 1.2 | K |
| 9.5 | | 8.1 | 59.2 | |
| 9.2 | | 10.4 | 27.5 | B |
| 9.1 | | 27.4 | 15.8 | |
| 9.4 | 34 | 12.5 | 10.0 | |
| 7.2 | | 17.9 | 13.7 | K |
| 7.0 | | 54.0 | 26.1 | K |
| 8.0 | 35 | 29.8 | 36.1 | K |
| 9.4 | | 35.6 | 53.4 | |
| 8.1 | | 40.2 | 4.1 | K |
| 7.0 | 36 | 19.7 | 48.5 | Kb |
| 8.7 | | 53.2 | 53.3 | K |
| 9.5 | | 55.7 | 26.1 | |
| 9.4 | | 56.7 | 23.3 | B |
| 9.4 | 37 | 28.9 | 11.0 | |
| 9.3 | | 33.7 | 51.3 | B |
| 9.5 | 38 | 16.5 | 6.7 | |
| 9.1 | 39 | 7.2 | 27.0 | K |
| 9.5 | | 12.5 | 43.9 | |
| 9.5 | 40 | 11.3 | 2.8 | |
| 9.1 | | 15.0 | 21.0 | K |
| 9.3 | | 42.8 | 21.5 | |
| 9.3 | 41 | 11.9 | 34.9 | |
| 7.8 | | 23.9 | 25.6 | K |
| 9.5 | | 49.7 | 24.6 | |
| 9.4 | 43 | 54.0 | 44.4 | |
| 6.9 | | 58.9 | 35.9 | K |
| 9.0 | 44 | 28.5 | 57.9 | |
| 9.2 | | 42.6 | 42.2 | K |
| 9.5 | | 59.1 | 37.0 | |
| 9.0 | 45 | 32.4 | 20.3 | |
| 9.0 | 46 | 0.0 | 39.7 | K |
| 9.5 | | 17.3 | 43.0 | |
| 9.4 | | 44.0 | 22.8 | |
| 7.7 | | 57.3 | 0.2 | K |
| 9.5 | 47 | 41.8 | 28.6 | Rb |
| 7.9 | | 48.3 | 48.6 | K |
| 9.1 | 48 | 15.9 | 45.6 | K |
| 9.2 | | 47.4 | 59.5 | |
| 9.5 | 49 | 17.6 | 40.2 | |
| 9.1 | | 23.3 | 14.7 | K |
| 9.1 | 50 | 45.2 | 25.7 | |
| 9.0 | 51 | 9.1 | 19.7 | K |
| 9.5 | | 37.5 | 20.3 | |
| 9.5 | 52 | 2.7 | 1.9 | |
| 8.3 | | 11.3 | 28.3 | K |
| 9.5 | | 14.5 | 19.8 | |
| 9.5 | | 46.4 | 57.3 | B |

| | + | — |
|---|---|---|
| 10pr. | 38.60 | 2.14 |

1941—2000

| m | 8ᵘ—9ᵘ | | +37° | |
|---|---|---|---|---|
| | ′ | ″ | ′ | |
| 9.0 | 52 | 57.3 | 40.8 | K |
| 9.0 | 54 | 37.4 | 23.7 | R |
| 8.0 | 58 | 36.3 | 40.1 | Lb |
| 9.5 | 59 | 20.1 | 10.8 | |
| 9.4 | | 20.6 | 7.8 | B |
| 9.2 | | 23.3 | 20.7 | K |
| 9.5 | 0 | 12.5 | 2.6 | |
| 8.6 | 2 | 22.0 | 20.8 | |
| 9.3 | 3 | 0.6 | 42.1 | |
| 8.9 | | 16.8 | 0.6 | K |
| 9.3 | | 26.9 | 12.2 | |
| 9.4 | | 30.8 | 26.4 | B |
| 9.0 | | 31.8 | 58.6 | |
| 9.5 | 4 | 5.4 | 9.3 | |
| 8.5 | | 32.3 | 37.1 | K |
| 8.0 | 6 | 3.6 | 40.2 | K |
| 8.2 | | 12.3 | 17.1 | K |
| 9.4 | 7 | 12.7 | 52.1 | |
| 8.1 | | 47.0 | 39.1 | K |
| 9.2 | 8 | 16.3 | 9.2 | |
| 9.5 | | 42.7 | 29.6 | |
| 9.4 | 9 | 2.3 | 57.0 | |
| 9.5 | | 23.5 | 47.1 | |
| 9.0 | | 40.0 | 49.6 | |
| 4.2 | | 49.4 | 25.7 | K |
| 9.1 | 10 | 8.3 | 5.8 | |
| 8.8 | | 32.5 | 35.7 | |
| 8.8 | | 45.3 | 44.8 | |
| 9.4 | 11 | 49.6 | 35.2 | |
| 8.6 | | 56.5 | 19.4 | S |
| 8.8 | 12 | 20.3 | 50.9 | K |
| 9.2 | | 23.4 | 10.3 | |
| 9.5 | | 46.1 | 1.3 | |
| 9.4 | 13 | 55.2 | 12.9 | |
| 9.5 | 14 | 14.0 | 6.4 | |
| 9.5 | 15 | 3.0 | 18.9 | |
| 9.2 | | 24.3 | 20.0 | |
| 7.0 | | 24.5 | 13.2 | L |
| 9.3 | | 44.0 | 19.5 | |
| 9.5 | 16 | 17.3 | 57.7 | B |
| 8.5 | | 19.1 | 52.1 | K |
| 8.4 | | 27.5 | 6.5 | K |
| 9.5 | 17 | 36.1 | 30.7 | |
| 7.3 | | 43.5 | 5.8 | K |
| 9.5 | 18 | 8.4 | 8.6 | |
| 9.2 | | 13.1 | 53.1 | b |
| 9.0 | | 20.1 | 6.1 | B |
| 9.4 | | 21.6 | 6.8 | |
| 8.9 | 19 | 59.9 | 17.7 | K |
| 9.5 | 20 | 40.8 | 48.4 | B |
| 9.4 | 21 | 21.1 | 32.6 | |
| 6.8 | 22 | 47.6 | 4.5 | K |
| 8.8 | | 59.8 | 48.0 | K |
| 9.5 | 23 | 9.0 | 44.6 | |
| 8.2 | | 28.6 | 54.0 | K |
| 9.2 | 24 | 16.5 | 1.9 | |
| 8.0 | | 20.4 | 17.8 | K |
| 6.8 | | 36.0 | 7.8 | K |
| 9.0 | | 49.6 | 59.5 | |
| 9.1 | | 51.8 | 12.1 | |

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|---|---|---|
| 10pr. | 37.58 | 2.48 |

1851ᵃ

| | | | | |
|---|---|---|---|---|
| 9.5 | 11 | 20.3 | 44.5 | b |

**9ᵘ—12ᵘ** **+37°**

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9ᵘ—10ᵘ | | +37° | | | 10ᵘ | | +37° | | | 10ᵘ—11ᵘ | | +37° | | | 11ᵘ | | +37° | | | 11ᵘ—12ᵘ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 24 | 57.5 | 36.6 | | 8.4 | 3 | 59.9 | 23.4 | Kb | 9.0 | 40 | 16.7 | 59.8 | | 8.5 | 20 | 22.9 | 7.0 | | 9.4 | 55 | 13.5 | 43.5 | |
| 9.3 | | 58.5 | 17.6 | B | 8.7 | 5 | 3.7 | 3.8 | K | 9.4 | | 21.9 | 4.2 | | 8.2 | 21 | 29.5 | 41.8 | K | 8.3 | | 25.5 | 36.6 | K |
| 8.4 | 25 | 8.1 | 4.5 | K | 9.5 | 6 | 23.6 | 51.7 | B | 9.3 | | 43.0 | 10.9 | | 9.5 | 22 | 10.7 | 54.0 | | 9.5 | | 43.8 | 18.2 | |
| 4.8 | | 19.6 | 2.8 | K | 9.0 | | 48.1 | 41.8 | Bb | 8.8 | | 46.7 | 56.3 | B | 9.3 | | 24.3 | 23.2 | B | 8.8 | | 49.0 | 31.6 | K |
| 9.0 | 26 | 11.8 | 36.7 | | 9.0 | 10 | 49.6 | 32.3 | K | 9.5 | 41 | 13.0 | 23.1 | | 9.3 | | 30.6 | 27.2 | | 9.0 | 56 | 41.5 | 55.5 | |
| 9.0 | | 30.5 | 31.6 | | 9.4 | 11 | 14.8 | 12.4 | | 9.5 | | 23.9 | 9.3 | | 9.4 | | 37.3 | 25.7 | | 8.3 | 57 | 2.3 | 9.4 | K |
| 9.1 | | 40.6 | 31.6 | | 9.5 | | 31.5 | 52.8 | | 8.3 | 43 | 19.0 | 34.2 | L | 9.4 | | 41.3 | 10.7 | B | 9.4 | 58 | 18.4 | 4.6 | |
| 9.3 | 28 | 53.1 | 0.2 | | 9.4 | | 39.4 | 7.6 | | 9.4 | | 44.0 | 19.9 | | 9.5 | | 41.8 | 29.6 | | 9.4 | | 48.7 | 1.3 | |
| 8.8 | | 56.1 | 15.5 | K | 9.4 | | 39.5 | 32.4 | | 9.5 | | 48.6 | 28.5 | | 9.4 | 23 | 6.2 | 35.1 | | 8.9 | 59 | 16.4 | 35.1 | K |
| 9.5 | 29 | 54.0 | 51.1 | | 9.1 | 13 | 14.0 | 15.6 | K | 8.8 | 44 | 52.1 | 25.5 | K | 8.0 | | 26.4 | 2.4 | K | 8.5 | | 57.7 | 49.5 | K |
| 9.1 | 30 | 44.6 | 24.3 | b | 9.5 | 14 | 29.4 | 33.4 | | 9.4 | | 57.9 | 50.8 | | 9.5 | | 55.4 | 54.0 | | 9.5 | 0 | 22.0 | 13.8 | |
| 9.5 | 32 | 16.3 | 46.5 | | 9.3 | | 39.3 | 6.0 | b | 8.5 | 45 | 49.0 | 58.3 | | 6.5 | 24 | 27.8 | 2.3 | K | 9.2 | | 28.3 | 51.0 | K |
| 7.3 | | 54.1 | 56.0 | K | 9.5 | 15 | 40.4 | 32.9 | | 7.0 | 46 | 36.4 | 31.9 | L | 8.3 | 25 | 43.6 | 33.6 | K | 9.1 | 3 | 27.4 | 57.7 | |
| 9.5 | 33 | 9.5 | 23.8 | | 9.3 | 16 | 23.2 | 32.5 | | 9.0 | 47 | 37.0 | 40.2 | | 9.5 | | 52.0 | 50.0 | | 8.5 | 4 | 51.9 | 47.3 | K |
| 9.3 | 34 | 1.6 | 32.7 | | 8.5 | | 57.3 | 46.8 | K | 9.4 | 48 | 18.4 | 38.4 | | 7.2 | 26 | 13.6 | 37.6 | K | 8.2 | 5 | 11.6 | 4.8 | Kb |
| 7.5 | | 12.8 | 47.5 | K | 8.8 | 17 | 5.9 | 31.1 | K | 9.1 | | 31.0 | 38.0 | | 9.5 | | 39.5 | 42.0 | | 9.3 | 6 | 13.0 | 38.4 | |
| 9.5 | | 26.2 | 4.7 | | 9.5 | | 49.5 | 11.2 | | 8.8 | | 50.1 | 56.8 | K | 9.5 | 27 | 58.2 | 18.2 | | 8.3 | | 26.4 | 32.8 | K |
| 9.5 | 36 | 20.3 | 5.8 | Bb | 8.3 | 18 | 37.0 | 9.6 | K | 9.5 | 50 | 6.1 | 16.8 | | 9.5 | 29 | 14.6 | 42.5 | | 9.2 | | 40.8 | 43.2 | B |
| 8.5 | 38 | 50.8 | 58.1 | Kb | 9.2 | 19 | 2.4 | 50.9 | | 8.3 | | 19.0 | 48.3 | K | 9.3 | | 18.8 | 56.0 | b | 9.4 | | 44.3 | 44.6 | |
| 9.2 | 39 | 36.1 | 12.2 | | 4.0 | | 28.9 | 26.4 | K | 8.5 | 51 | 23.7 | 18.1 | K | 8.1 | | 33.1 | 1.2 | B | 9.5 | | 48.5 | 56.7 | |
| 8.0 | 40 | 23.5 | 11.4 | K | 9.5 | | 45.1 | 9.8 | | 9.5 | 52 | 7.4 | 5.8 | | 9.5 | 30 | 1.8 | 45.1 | B | 8.9 | 8 | 3.4 | 49.7 | |
| 6.3 | | 40.6 | 25.6 | K | 8.6 | 20 | 17.0 | 30.9 | K | 8.3 | | 53.2 | 18.5 | K | 9.5 | | 7.5 | 11.8 | | 9.5 | | 22.3 | 8.4 | |
| 7.2 | 42 | 25.3 | 10.1 | K | 9.0 | | 42.9 | 55.8 | | 9.0 | | 55.2 | 26.6 | | 9.5 | | 13.7 | 3.9 | B | 9.4 | 10 | 43.0 | 41.7 | |
| 9.1 | | 40.8 | 0.4 | K | 9.2 | 21 | 3.3 | 28.4 | K | 9.5 | 53 | 14.5 | 6.5 | | 9.5 | 32 | 20.8 | 47.5 | | 9.3 | 11 | 28.9 | 47.3 | b |
| 9.3 | | 56.2 | 16.2 | | 9.4 | | 20.0 | 33.9 | | 6.8 | | 39.9 | 27.4 | K | 8.2 | | 33.5 | 16.7 | Kb | 9.3 | 13 | 17.9 | 56.9 | Bb |
| 9.5 | 45 | 46.1 | 17.2 | | 9.2 | | 52.3 | 21.0 | K | 8.0 | 54 | 3.7 | 45.6 | B | 9.5 | | 35.1 | 58.0 | | 9.3 | 14 | 13.0 | 35.1 | |
| 8.5 | 47 | 1.1 | 53.0 | Kb | 8.0 | 22 | 10.8 | 46.6 | B | 9.5 | | 11.2 | 56.1 | B | 9.4 | | 39.2 | 51.0 | | 9.4 | | 25.9 | 14.1 | |
| 9.2 | | 41.8 | 16.6 | K | 7.0 | | 13.9 | 0.3 | K | 9.4 | | 16.3 | 49.5 | | 8.9 | 34 | 38.5 | 33.1 | K | 9.5 | | 26.7 | 50.3 | |
| 8.5 | 48 | 3.5 | 27.2 | | 9.1 | | 27.3 | 13.2 | K | 9.3 | | 19.8 | 2.5 | | 9.1 | 35 | 33.2 | 38.5 | | 9.5 | 15 | 26.4 | 53.8 | |
| 9.5 | | 18.6 | 54.0 | | 9.0 | | 50.2 | 52.9 | | 9.3 | | 35.1 | 56.3 | B | 9.4 | 36 | 38.4 | 0.7 | | 9.3 | 16 | 19.0 | 27.6 | K |
| 9.1 | 50 | 14.8 | 48.1 | K | 8.9 | 23 | 0.2 | 20.2 | Kb | 7.7 | | 35.4 | 7.5 | K | 9.1 | 37 | 28.8 | 49.0 | b | 9.0 | | 56.5 | 8.4 | |
| 9.2 | | 29.5 | 8.3 | | 9.5 | | 16.0 | 41.2 | | 9.1 | 56 | 4.0 | 50.4 | | 8.2 | 38 | 17.4 | 5.9 | K | 9.5 | | 57.4 | 49.0 | |
| 9.3 | | 56.0 | 15.3 | | 9.3 | | 31.4 | 51.8 | | 8.5 | 58 | 31.0 | 29.1 | K | 9.1 | 39 | 13.5 | 3.5 | | 9.0 | 18 | 2.9 | 6.6 | B |
| 9.5 | | 56.1 | 19.8 | | 9.1 | 24 | 21.4 | 8.4 | B | 8.6 | | 35.7 | 58.3 | | 9.4 | | 37.8 | 37.6 | | 9.4 | | 36.1 | 44.5 | |
| 8.9 | 51 | 12.5 | 48.6 | | 9.0 | 25 | 9.1 | 20.8 | K | 7.8 | 59 | 1.0 | 30.9 | K | 8.0 | 41 | 6.5 | 17.7 | K | 9.5 | | 59.7 | 9.7 | |
| 9.5 | | 41.2 | 4.2 | B | 9.5 | | 22.1 | 21.4 | | 8.2 | | 19.9 | 23.0 | L | 8.0 | | 33.5 | 55.4 | K | 7.8 | 19 | 17.3 | 54.4 | K |
| 9.2 | 52 | 38.1 | 47.6 | K | 9.4 | | 46.9 | 1.4 | | 7.8 | | 36.1 | 33.9 | K | 8.5 | 42 | 21.3 | 32.1 | K | 9.5 | | 37.4 | 35.0 | |
| 7.8 | | 53.1 | 13.1 | K | 9.0 | 27 | 25.0 | 0.9 | K | 8.0 | 0 | 15.1 | 14.7 | L | 9.1 | | 24.4 | 0.8 | | 7.1 | 20 | 2.7 | 10.2 | K |
| 9.3 | | 59.4 | 24.7 | | 8.1 | | 35.7 | 41.0 | B | 9.3 | | 39.2 | 10.9 | B | 9.0 | 43 | 26.8 | 42.0 | L | 8.7 | 21 | 1.4 | 29.1 | K |
| 9.3 | 53 | 41.6 | 20.8 | | 6.3 | 28 | 2.0 | 4.8 | Kb | 9.5 | | 52.0 | 44.0 | | 7.6 | | 33.5 | 58.1 | K | 9.3 | | 9.8 | 40.0 | |
| 8.9 | | 48.5 | 42.6 | K | 9.5 | | 38.0 | 23.9 | | 9.3 | 1 | 3.9 | 16.2 | | 9.3 | | 54.7 | 40.1 | B | 9.2 | | 14.1 | 59.4 | |
| 8.5 | 54 | 26.4 | 32.9 | B | 8.2 | | 45.4 | 57.7 | K | 5.9 | | 20.0 | 6.5 | K | 8.5 | 44 | 2.1 | 22.7 | Lb | 9.1 | | 54.2 | 12.9 | |
| 8.7 | | 33.5 | 10.9 | | 9.5 | | 48.0 | 17.4 | | 9.5 | | 32.4 | 30.9 | | 9.4 | | 22.6 | 34.7 | B | 9.2 | 22 | 31.5 | 12.0 | |
| 9.5 | 55 | 6.3 | 10.2 | | 8.9 | 29 | 46.1 | 13.0 | K | 9.5 | 2 | 46.7 | 2.6 | B | 9.3 | 45 | 48.7 | 5.0 | | 8.5 | 23 | 16.7 | 52.7 | K |
| 9.5 | | 28.6 | 24.9 | | 9.5 | | 52.5 | 56.3 | | 9.5 | | 46.8 | 46.7 | | 8.3 | | 49.2 | 33.1 | Kb | 9.5 | | 28.8 | 26.7 | |
| 9.1 | 56 | 58.0 | 47.2 | | 9.3 | 30 | 21.2 | 51.8 | | 9.4 | 3 | 52.4 | 54.1 | | 9.4 | 46 | 8.2 | 36.6 | | 9.4 | | 37.8 | 27.7 | B |
| 9.4 | 57 | 5.5 | 52.7 | | 9.3 | | 21.8 | 19.9 | | 7.3 | 4 | 16.7 | 40.8 | K | 9.5 | | 37.5 | 34.6 | | 9.5 | 24 | 50.9 | 22.1 | |
| 9.5 | | 5.8 | 10.5 | | 9.2 | | 41.0 | 58.1 | B | 9.5 | | 44.3 | 39.7 | | 9.5 | 47 | 6.2 | 57.5 | | 9.3 | 25 | 22.3 | 20.0 | |
| 9.3 | | 25.6 | 54.0 | K | 8.8 | 31 | 18.3 | 17.0 | K | 9.2 | 5 | 35.1 | 54.6 | K | 9.3 | | 24.3 | 46.0 | | 8.3 | | 23.9 | 51.8 | K |
| 9.4 | 58 | 58.7 | 2.4 | | 9.0 | 33 | 13.1 | 49.7 | K | 9.0 | 7 | 50.6 | 10.5 | | 6.5 | | 43.9 | 35.1 | K | 9.3 | | 54.0 | 23.0 | K |
| 9.0 | 59 | 49.4 | 59.1 | K | 9.2 | | 29.6 | 59.3 | | 9.1 | 8 | 7.3 | 43.2 | Kb | 8.0 | 48 | 43.5 | 3.6 | K | 9.5 | 26 | 5.3 | 6.3 | |
| 9.3 | 0 | 36.0 | 20.3 | | 8.3 | 34 | 9.1 | 17.4 | K | 8.5 | 10 | 4.7 | 40.8 | K | 9.3 | 49 | 28.6 | 9.5 | | 9.2 | | 33.8 | 2.4 | |
| 8.8 | | 37.3 | 3.8 | K | 8.9 | | 14.0 | 49.8 | | 9.0 | 11 | 14.0 | 10.5 | | 9.0 | 50 | 2.3 | 57.9 | K | 8.2 | 27 | 36.9 | 6.5 | |
| 9.4 | | 57.5 | 15.0 | | 9.5 | | 32.0 | 54.7 | | 9.1 | 13 | 42.7 | 34.3 | | 9.5 | 51 | 39.2 | 43.0 | | 9.5 | | 46.6 | 19.2 | B |
| 9.5 | 1 | 6.5 | 23.3 | | 9.5 | | 53.8 | 15.5 | | 9.0 | 14 | 2.9 | 29.8 | | 9.5 | | 43.8 | 51.0 | | 8.2 | | 47.4 | 24.2 | K |
| 9.5 | | 20.9 | 27.9 | | 9.3 | 36 | 45.2 | 36.8 | b | 9.0 | | 13.4 | 53.3 | K | 9.4 | | 48.5 | 57.9 | | 9.1 | | 49.5 | 12.5 | |
| 9.5 | | 26.8 | 10.2 | | 9.5 | 38 | 0.4 | 0.9 | | 9.0 | | 13.9 | 52.9 | K | 9.5 | 52 | 16.0 | 21.2 | | 7.6 | | 54.1 | 7.3 | K |
| 7.2 | 2 | 21.9 | 11.2 | K | 9.2 | 39 | 17.5 | 5.8 | b | 8.7 | 16 | 49.6 | 50.7 | K | 7.8 | | 42.2 | 32.1 | K | 7.0 | 28 | 5.5 | 13.5 | B |
| 9.1 | 3 | 12.7 | 9.7 | K | 9.5 | | 21.4 | 43.4 | | 8.5 | 17 | 42.6 | 38.3 | K | 8.3 | | 48.5 | 32.1 | K | 7.9 | | 14.3 | 8.4 | B |
| 9.5 | | 42.4 | 12.5 | | 9.1 | | 33.5 | 40.4 | | 9.4 | 20 | 1.9 | 19.4 | | 9.5 | 54 | 45.4 | 1.6 | | 8.2 | | 55.0 | 3.6 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 36.26 | 2.81 | | 10pr. | | 34.94 | 3.05 | | 10pr. | | 33.61 | 3.21 | | 10pr. | | 31.74 | 3.32 | | 10pr. | | 29.97 | 3.33 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ | | +37° | | | 17ᵘ—18ᵘ | | +37° | | | 18ᵘ | | +37° | | | 18ᵘ | | +37° | | | 18ᵘ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 26 | 16.8 | 22.7 | | 9.3 | 46 | 6.1 | 11.3 | | 9.4 | 2 | 20.5 | 21.0 | | 9.4 | 15 | 9.7 | 9.5 | | 7.6 | 25 | 12.4 | 7.3 | K |
| 9.5 | 27 | 45.7 | 41.6 | | 9.4 | | 6.2 | 18.3 | | 9.3 | | 25.4 | 1.8 | | 9.5 | | 19.4 | 24.6 | | 9.5 | | 20.3 | 54.0 | |
| 9.3 | | 46.5 | 33.3 | | 9.0 | | 24.0 | 33.8 | | 9.0 | | 35.0 | 29.5 | | 9.2 | | 24.2 | 11.8 | | 9.5 | | 40.1 | 48.6 | |
| 9.0 | 28 | 1.5 | 28.9 | K | 9.1 | | 48.5 | 16.8 | | 9.5 | | 40.7 | 48.0 | | 8.4 | | 25.9 | 33.8 | K | 9.5 | 26 | 0.2 | 52.3 | |
| 9.5 | | 56.1 | 14.2 | | 8.8 | 47 | 45.5 | 19.7 | | 8.8 | 3 | 2.0 | 2.9 | | 9.5 | | 39.3 | 28.6 | | 9.4 | | 8.0 | 59.3 | |
| 9.5 | 29 | 3.2 | 6.5 | | 9.4 | | 45.6 | 26.0 | | 9.1 | | 4.0 | 25.5 | | 8.9 | | 58.4 | 50.6 | K | 9.5 | | 13.7 | 42.3 | B |
| 9.3 | | 22.8 | 21.3 | | 9.0 | | 46.0 | 13.5 | | 9.5 | | 8.9 | 35.9 | | 9.1 | 16 | 11.9 | 22.0 | | 9.1 | | 31.3 | 14.0 | |
| 6.5 | 30 | 44.2 | 24.0 | K | 8.5 | | 57.7 | 42.9 | | 9.5 | | 11.6 | 41.9 | | 9.0 | | 16.6 | 33.3 | | 8.5 | | 33.1 | 8.3 | |
| 9.4 | 31 | 13.3 | 52.5 | | 8.3 | 48 | 1.5 | 36.7 | | 9.2 | | 58.5 | 13.0 | | 9.3 | | 17.7 | 48.4 | | 9.4 | 27 | 3.9 | 2.0 | |
| 9.5 | | 46.5 | 50.2 | | 9.4 | | 2.8 | 4.4 | | 9.5 | 4 | 10.0 | 13.1 | | 9.5 | | 22.9 | 0.3 | | 9.3 | | 15.5 | 21.4 | |
| 9.2 | 32 | 35.5 | 13.1 | K | 9.3 | | 19.0 | 19.7 | | 8.8 | | 20.6 | 43.3 | | 9.0 | | 40.1 | 58.3 | | 9.4 | | 18.0 | 58.5 | |
| 9.5 | | 45.5 | 4.2 | | 9.5 | | 34.0 | 27.5 | | 9.5 | | 39.0 | 33.6 | | 9.3 | | 44.1 | 27.2 | | 9.5 | | 24.4 | 19.4 | |
| 9.5 | | 53.7 | 57.2 | | 9.1 | | 50.9 | 56.4 | K | 9.0 | 5 | 7.0 | 45.7 | K | 9.3 | | 50.0 | 46.9 | | 9.5 | | 24.7 | 27.8 | |
| 9.5 | | 55.5 | 24.8 | | 9.5 | 49 | 0.5 | 4.8 | | 9.5 | | 17.5 | 26.8 | | 9.5 | | 56.8 | 46.9 | | 9.3 | | 25.0 | 3.3 | |
| 9.1 | | 59.5 | 13.1 | K | 9.3 | | 13.0 | 30.9 | | 9.5 | | 25.3 | 24.8 | | 9.0 | | 58.3 | 22.4 | | 8.5 | | 37.0 | 41.4 | |
| 8.3 | 33 | 6.5 | 1.4 | | 9.5 | | 27.4 | 6.2 | | 9.5 | | 33.8 | 21.4 | | 9.5 | 17 | 3.7 | 19.7 | | 7.8 | | 54.9 | 19.6 | L |
| 9.5 | | 7.1 | 51.6 | | 9.5 | | 37.8 | 55.6 | | 9.1 | | 33.8 | 54.3 | | 8.8 | | 4.1 | 39.2 | | 9.2 | 28 | 4.6 | 38.0 | B |
| 9.4 | | 11.0 | 45.9 | | 9.5 | | 57.0 | 27.9 | | 9.5 | | 58.5 | 9.3 | | 9.5 | | 18.9 | 59.2 | | 9.5 | | 7.7 | 37.2 | |
| 9.5 | | 37.3 | 9.5 | | 9.0 | | 59.5 | 13.1 | | 8.3 | 6 | 45.6 | 39.9 | | 8.9 | | 29.0 | 51.5 | | 9.3 | | 24.3 | 52.3 | |
| 9.3 | | 39.3 | 48.4 | | 9.5 | 50 | 27.5 | 49.0 | | 8.5 | | 49.0 | 21.2 | Kb | 8.2 | | 29.6 | 11.0 | Kb | 9.5 | | 57.0 | 59.5 | |
| 9.2 | | 42.8 | 58.2 | | 9.5 | 51 | 16.0 | 45.0 | | 7.7 | | 52.6 | 51.0 | L | 9.5 | | 34.4 | 17.9 | | 8.8 | | 58.2 | 8.6 | |
| 9.5 | | 51.5 | 38.9 | | 3.5 | | 18.2 | 15.9 | K | 9.4 | 7 | 8.0 | 13.1 | | 9.5 | | 59.5 | 44.6 | | 9.5 | 29 | 0.8 | 32.3 | |
| 9.3 | 34 | 1.6 | 56.8 | | 9.0 | | 18.5 | 38.9 | | 8.5 | | 31.0 | 37.7 | K | 9.5 | 18 | 14.3 | 27.1 | | 9.4 | | 26.0 | 2.7 | |
| 9.5 | | 18.0 | 8.9 | | 9.4 | | 31.6 | 25.5 | | 9.4 | | 35.3 | 54.9 | | 9.5 | | 28.0 | 56.0 | | 9.1 | | 28.5 | 31.5 | |
| 9.4 | | 43.9 | 1.0 | | 9.5 | | 52.5 | 38.4 | | 9.0 | | 37.0 | 28.9 | | 9.5 | | 40.9 | 17.0 | | 9.3 | | 51.1 | 11.0 | |
| 8.4 | | 45.0 | 19.2 | K | 9.5 | | 52.9 | 30.7 | | 9.5 | | 52.5 | 11.3 | | 9.4 | | 48.7 | 39.7 | | 9.5 | | 51.1 | 4.6 | |
| 9.3 | | 45.5 | 39.6 | | 9.2 | 52 | 8.3 | 5.8 | | 9.5 | 8 | 25.0 | 35.0 | | 9.4 | | 56.3 | 42.2 | | 9.2 | 30 | 3.8 | 33.7 | |
| 9.5 | 35 | 1.6 | 4.8 | | 6.5 | | 15.2 | 47.0 | | 9.5 | | 39.5 | 39.6 | | 8.8 | 19 | 4.2 | 13.0 | K | 9.5 | | 5.1 | 46.0 | |
| 8.6 | | 43.8 | 56.5 | L | 9.5 | | 16.5 | 52.9 | | 9.3 | | 47.0 | 15.6 | | 8.0 | | 19.4 | 37.5 | K | 8.5 | | 13.4 | 14.9 | K |
| 7.3 | 36 | 32.5 | 55.7 | K | 9.5 | 53 | 14.4 | 5.6 | | 9.4 | | 55.0 | 39.8 | | 9.5 | | 51.8 | 39.4 | | 9.3 | | 18.2 | 0.5 | |
| 8.7 | 37 | 8.8 | 58.6 | | 8.5 | | 35.8 | 53.2 | | 8.5 | | 58.9 | 6.4 | | 9.5 | | 52.1 | 44.7 | | 9.3 | | 19.5 | 5.1 | |
| 9.1 | | 36.5 | 59.1 | | 9.5 | 54 | 27.5 | 11.7 | | 9.5 | 9 | 31.3 | 23.0 | | 9.5 | 20 | 46.9 | 20.8 | | 8.2 | | 21.0 | 59.8 | B |
| 9.5 | 38 | 6.3 | 47.0 | | 9.5 | | 45.0 | 47.5 | | 9.5 | | 36.4 | 34.3 | | 9.1 | | 52.8 | 39.6 | b | 8.0 | | 44.0 | 33.0 | B |
| 7.5 | | 7.2 | 38.4 | Kb | 9.5 | | 54.6 | 14.1 | | 9.4 | | 48.5 | 34.3 | | 9.5 | | 53.0 | 2.2 | | 9.3 | | 52.8 | 40.7 | |
| 9.0 | 39 | 7.7 | 37.1 | K | 9.3 | 55 | 9.5 | 20.0 | | 9.5 | | 57.7 | 7.6 | | 9.5 | | 57.2 | 49.0 | | 9.5 | 31 | 12.1 | 59.7 | |
| 9.4 | | 30.9 | 1.5 | b | 9.3 | 56 | 16.0 | 27.1 | b | 7.5 | | 58.0 | 21.7 | K | 9.4 | | 57.8 | 34.2 | | 7.0 | | 15.6 | 55.5 | L |
| 9.5 | | 39.0 | 11.7 | | 9.5 | 57 | 35.1 | 57.4 | | 9.2 | 10 | 2.0 | 11.6 | B | 9.5 | | 58.3 | 53.0 | | 9.2 | | 57.9 | 33.5 | |
| 9.4 | | 54.0 | 22.0 | | 9.5 | | 51.4 | 54.0 | | 9.5 | | 45.2 | 54.0 | | 9.5 | 21 | 30.7 | 47.5 | | 8.0 | 32 | 2.4 | 17.8 | K |
| 8.7 | | 55.5 | 41.2 | K | 9.0 | 58 | 0.2 | 10.8 | | 9.5 | | 47.8 | 2.2 | | 9.0 | | 37.1 | 29.8 | | 9.5 | | 10.3 | 0.1 | |
| 7.5 | | 56.9 | 55.6 | K | 9.5 | | 1.0 | 43.3 | | 9.1 | | 47.9 | 20.6 | | 7.9 | | 53.8 | 21.7 | K | 7.0 | | 34.0 | 39.4 | K |
| 9.1 | 40 | 5.5 | 43.2 | | 8.5 | | 18.9 | 50.0 | K | 8.3 | 11 | 1.0 | 34.0 | K | 9.1 | 22 | 9.2 | 9.6 | b | 9.1 | | 39.5 | 58.8 | |
| 9.4 | | 24.4 | 2.8 | | 9.5 | | 26.0 | 13.8 | | 9.2 | | 29.8 | 8.6 | | 9.4 | | 14.3 | 53.1 | | 9.0 | | 45.7 | 59.0 | |
| 9.5 | | 53.5 | 14.2 | | 9.3 | | 29.1 | 51.3 | | 9.2 | | 35.0 | 18.2 | | 9.4 | | 17.5 | 18.8 | | 8.0 | | 59.4 | 18.6 | K |
| 9.3 | 41 | 50.0 | 11.0 | | 9.5 | | 42.5 | 30.7 | | 9.1 | | 47.5 | 34.8 | | 9.5 | | 33.6 | 23.4 | | 9.3 | 33 | 1.8 | 54.9 | |
| 9.5 | 42 | 4.5 | 53.2 | | 9.2 | 59 | 8.0 | 10.4 | | 8.5 | | 56.0 | 27.5 | K | 9.4 | | 39.7 | 9.0 | | 9.4 | | 3.8 | 49.8 | |
| 9.5 | | 8.9 | 0.6 | | 8.8 | | 14.1 | 8.8 | | 9.5 | 12 | 5.1 | 25.8 | | 9.5 | | 50.8 | 20.8 | | 9.3 | | 5.3 | 13.5 | |
| 9.0 | | 14.5 | 27.5 | b | 9.5 | | 38.0 | 24.4 | | 9.5 | | 33.6 | 44.0 | | 9.5 | 23 | 4.0 | 3.3 | | 9.2 | | 8.7 | 34.2 | |
| 9.3 | 43 | 33.4 | 13.8 | | 7.8 | | 55.2 | 49.5 | K | 8.8 | | 38.8 | 58.1 | K | 9.4 | | 9.4 | 32.0 | | 9.0 | | 17.4 | 11.0 | K |
| 7.0 | | 58.8 | 5.8 | K | 9.0 | 0 | 0.2 | 42.6 | K | 9.4 | | 53.7 | 33.1 | | 9.5 | | 39.5 | 35.5 | | 9.4 | | 36.0 | 41.9 | |
| 9.5 | 44 | 9.5 | 2.9 | | 9.5 | | 12.2 | 13.5 | | 8.4 | | 59.1 | 55.1 | Kb | 7.5 | | 42.2 | 9.6 | K | 9.5 | 34 | 11.3 | 37.7 | |
| 9.5 | | 18.5 | 26.1 | | 9.5 | | 24.3 | 55.5 | | 9.5 | 13 | 0.5 | 25.5 | | 9.4 | 24 | 3.6 | 6.6 | | 9.4 | | 16.0 | 3.1 | |
| 9.3 | 45 | 4.5 | 34.2 | | 8.8 | | 41.0 | 26.5 | | 9.3 | | 42.6 | 4.2 | | 9.5 | | 4.5 | 51.6 | | 8.9 | | 16.7 | 11.7 | K |
| 9.0 | | 6.7 | 47.8 | | 8.7 | 1 | 12.5 | 16.9 | | 9.3 | | 44.0 | 28.2 | | 9.4 | | 4.7 | 19.7 | | 7.7 | | 33.8 | 23.5 | K |
| 9.1 | | 6.7 | 20.1 | b | 9.4 | | 13.4 | 5.8 | | 9.5 | | 59.0 | 23.5 | | 9.2 | | 6.9 | 48.3 | | 8.7 | | 36.7 | 41.5 | |
| 9.2 | | 10.5 | 32.3 | | 7.5 | | 14.0 | 46.4 | K | 8.0 | 14 | 8.4 | 35.1 | L | 9.5 | | 30.2 | 30.2 | B | 9.3 | | 40.2 | 47.6 | |
| 9.5 | | 21.0 | 14.5 | | 9.1 | | 23.9 | 12.3 | | 9.3 | | 14.3 | 1.8 | | 9.5 | | 40.1 | 24.3 | | 7.5 | | 46.3 | 51.8 | L |
| 9.2 | | 41.4 | 43.7 | | 8.8 | | 33.5 | 41.2 | K | 9.5 | | 15.9 | 27.5 | | 9.3 | | 46.3 | 48.8 | | 8.5 | | 49.1 | 35.3 | |
| 9.0 | | 52.6 | 0.4 | K | 8.9 | | 42.9 | 10.8 | | 8.4 | | 21.6 | 54.2 | | 9.2 | | 48.9 | 1.2 | | 9.0 | | 53.5 | 40.0 | |
| 9.5 | 46 | 0.3 | 6.8 | | 8.0 | | 56.0 | 47.1 | K | 8.7 | | 42.5 | 25.8 | K | 8.7 | | 54.0 | 57.5 | | 9.2 | | 56.9 | 58.6 | |
| 8.0 | | 0.3 | 46.1 | S | 9.1 | 2 | 18.0 | 44.3 | | 9.4 | | 53.9 | 54.2 | | 8.8 | 25 | 0.9 | 4.1 | K | 9.0 | 35 | 1.3 | 12.3 | K |
| | | + | — | | | | + | — | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 20.52 | 0.34 | | 10pr. | | 20.47 | 0.10 | | 10pr. | | 20.47 | 0.13 | | 10pr. | | 20.50 | 0.29 | | 10pr. | | 20.55 | 0.44 | |

| 2931ᵃ | | | | |
|---|---|---|---|---|
| 9.4 | 37 | 18.4 | 18.7 | B |

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ʰ | | +37° | | | 18ʰ | | +37° | | | 18ʰ—19ʰ | | +37° | | | 19ʰ | | +37° | | | 19ʰ | | +37° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.7 | 35 | 16.8 | 34.5 | K | 9.3 | 46 | 50.9 | 7.3 | | 9.5 | 57 | 57.5 | 48.8 | | 9.5 | 8 | 53.1 | 53.8 | | 9.5 | 19 | 4.5 | 34.0 | |
| 9.5 | | 29.4 | 19.2 | | 7.5 | 47 | 0.5 | 20.9 | K | 8.2 | 58 | 9.6 | 8.5 | K | 9.5 | 9 | 9.7 | 1.2 | | 9.5 | | 6.3 | 58.9 | |
| 9.5 | | 35.6 | 26.9 | | 9.0 | | 8.0 | 2.1 | K | 9.4 | | 25.1 | 18.6 | | 9.4 | | 14.5 | 50.5 | | 9.5 | | 10.5 | 31.6 | |
| 9.4 | | 59.6 | 5.4 | | 9.4 | | 9.9 | 57.4 | | 8.6 | | 36.3 | 59.2 | K | 8.0 | | 17.3 | 23.6 | B | 9.5 | | 16.7 | 41.2 | |
| 8.5 | 36 | 8.2 | 9.1 | K | 9.4 | | 12.2 | 46.8 | | 9.5 | | 43.8 | 18.9 | | 9.1 | | 32.6 | 17.2 | | 9.5 | | 20.0 | 51.7 | |
| 9.3 | | 37.5 | 22.6 | | 9.5 | | 32.0 | 39.2 | | 9.5 | | 48.5 | 42.9 | | 8.8 | | 40.4 | 27.5 | | 9.3 | | 21.1 | 50.2 | B |
| 9.5 | | 44.4 | 47.1 | | 7.9 | | 57.7 | 8.7 | K | 9.5 | 59 | 22.2 | 38.5 | | 8.2 | | 48.8 | 43.7 | | 9.2 | | 34.2 | 29.6 | |
| 9.5 | | 48.8 | 4.6 | | 9.2 | 48 | 10.2 | 40.3 | | 7.4 | | 24.1 | 53.6 | K | 9.5 | | 51.9 | 46.2 | | 9.5 | | 36.8 | 25.2 | |
| 9.5 | | 51.5 | 20.3 | | 8.7 | | 11.4 | 46.6 | | 9.4 | | 26.5 | 51.4 | | 9.2 | 10 | 0.3 | 53.0 | | 9.5 | | 37.1 | 55.3 | |
| 8.9 | | 56.0 | 58.6 | K | 8.1 | | 22.4 | 25.5 | K | 9.4 | | 26.9 | 11.6 | | 8.7 | | 1.4 | 47.7 | | 9.1 | | 40.3 | 59.0 | |
| 9.4 | 37 | 5.3 | 9.5 | | 8.2 | | 22.5 | 17.7 | K | 9.1 | | 27.1 | 1.3 | | 9.3 | | 25.4 | 12.8 | B | 9.5 | 20 | 5.2 | 58.1 | |
| 9.2 | | 47.5 | 12.5 | | 9.2 | | 39.8 | 40.8 | | 8.9 | | 39.7 | 4.2 | | 9.5 | | 31.9 | 45.8 | | 9.4 | | 12.5 | 32.6 | |
| 8.2 | | 49.4 | 18.7 | K | 7.9 | | 40.2 | 48.6 | B | 8.8 | | 59.5 | 17.2 | | 9.2 | | 32.7 | 55.8 | | 9.5 | | 14.1 | 17.0 | |
| 9.5 | 38 | 3.0 | 57.7 | | 9.5 | | 45.1 | 50.4 | | 9.5 | 0 | 7.7 | 41.2 | | 7.5 | | 43.7 | 2.7 | K | 9.5 | | 31.9 | 10.3 | |
| 8.5 | | 6.8 | 34.2 | | 9.4 | | 53.0 | 30.1 | | 8.8 | | 22.0 | 50.6 | | 9.1 | | 46.2 | 56.0 | | 9.5 | | 46.3 | 25.9 | |
| 9.5 | | 12.2 | 27.4 | | 7.7 | | 56.3 | 11.9 | K | 9.5 | | 36.5 | 30.8 | | 9.2 | 11 | 2.9 | 24.0 | | 9.5 | 21 | 2.2 | 23.4 | |
| 9.5 | | 29.0 | 35.2 | | 9.5 | 49 | 5.2 | 32.0 | | 9.5 | | 59.9 | 48.4 | | 9.0 | | 7.7 | 7.9 | K | 9.4 | | 6.3 | 45.8 | |
| 9.5 | | 51.8 | 13.5 | | 9.1 | | 16.2 | 6.9 | K | 9.5 | 1 | 0.6 | 1.4 | | 4.6 | | 21.1 | 52.8 | K | 9.5 | | 8.1 | 55.0 | |
| 8.7 | 39 | 22.0 | 54.3 | K | 8.9 | | 25.7 | 7.7 | K | 9.2 | | 18.4 | 43.6 | | 9.1 | | 29.1 | 53.3 | | 9.5 | | 23.4 | 44.8 | |
| 9.0 | | 22.2 | 11.1 | | 9.4 | 50 | 12.9 | 47.8 | | 9.0 | | 23.8 | 42.1 | B | 9.5 | | 47.2 | 58.7 | | 9.3 | | 46.2 | 21.6 | |
| 9.0 | | 24.1 | 0.4 | | 9.1 | | 16.3 | 24.1 | K | 7.3 | | 24.9 | 9.9 | K | 9.5 | | 48.6 | 8.1 | | 9.1 | | 50.9 | 10.8 | |
| 4.5 | | 46.7 | 27.7 | S | 8.6 | | 18.5 | 51.8 | | 9.4 | | 27.6 | 36.0 | | 9.4 | 12 | 27.9 | 30.6 | | 8.3 | | 59.5 | 16.7 | |
| 5.5 | | 48.6 | 26.8 | L | 9.3 | | 36.0 | 29.3 | | 9.1 | | 31.2 | 22.7 | | 8.0 | | 29.2 | 21.3 | L | 8.8 | 22 | 21.0 | 51.8 | |
| 9.5 | | 48.8 | 0.8 | | 8.8 | | 41.5 | 55.0 | | 9.5 | 2 | 20.7 | 33.6 | B | 9.2 | | 47.2 | 52.9 | | 9.0 | | 28.4 | 14.9 | |
| 9.4 | 40 | 1.4 | 36.5 | | 8.8 | | 46.2 | 43.9 | | 9.4 | | 43.3 | 15.9 | | 9.0 | | 59.5 | 54.1 | B | 6.4 | | 31.7 | 38.9 | K |
| 9.3 | | 11.3 | 47.6 | | 9.2 | | 48.2 | 22.9 | K | 9.1 | | 51.2 | 18.7 | | 9.5 | 13 | 5.2 | 21.4 | | 9.5 | | 32.3 | 27.5 | |
| 9.5 | | 22.9 | 24.7 | | 9.5 | 51 | 5.5 | 3.8 | | 8.9 | 3 | 12.6 | 45.9 | | 9.2 | | 11.0 | 25.4 | Bb | 9.5 | | 40.9 | 47.4 | |
| 8.1 | | 25.5 | 5.5 | B | 9.5 | | 5.5 | 46.3 | | 9.5 | | 22.7 | 5.9 | | 9.3 | | 17.9 | 6.7 | | 9.5 | | 53.9 | 45.4 | |
| 9.0 | | 29.9 | 26.3 | B | 9.4 | | 7.6 | 53.0 | | 9.0 | | 31.4 | 42.0 | | 9.5 | | 20.1 | 7.2 | | 9.4 | 23 | 0.4 | 11.0 | |
| 9.5 | | 36.4 | 6.3 | | 9.2 | | 25.4 | 58.3 | | 8.5 | | 32.2 | 40.8 | S | 7.5 | | 44.1 | 19.1 | L | 9.2 | | 0.9 | 48.5 | |
| 9.2 | | 47.3 | 58.6 | | 9.4 | | 59.6 | 58.5 | | 9.3 | 4 | 0.8 | 6.8 | | 9.0 | | 52.8 | 8.6 | | 9.4 | | 6.5 | 33.8 | |
| 9.5 | 41 | 3.4 | 14.7 | | 9.5 | | 59.7 | 20.7 | | 9.5 | | 8.2 | 51.6 | | 9.4 | | 53.0 | 2.9 | | 9.1 | | 10.7 | 38.2 | |
| 9.5 | | 7.7 | 58.2 | | 9.5 | 52 | 2.7 | 40.6 | | 9.5 | | 8.6 | 35.3 | | 6.2 | | 53.9 | 11.0 | L | 9.0 | | 13.5 | 34.3 | |
| 9.5 | | 57.9 | 47.4 | B | 9.5 | | 3.5 | 48.8 | | 9.5 | | 9.5 | 4.0 | | 9.0 | 14 | 21.9 | 45.6 | | 9.5 | | 22.5 | 57.7 | |
| 9.5 | 42 | 2.5 | 58.9 | | 9.5 | | 41.1 | 5.7 | | 8.3 | | 20.2 | 23.2 | K | 9.5 | | 23.2 | 23.4 | | 9.4 | | 33.0 | 50.8 | |
| 9.5 | | 33.3 | 36.4 | B | 8.6 | 53 | 6.0 | 41.4 | | 9.2 | | 30.5 | 32.0 | | 9.5 | | 24.5 | 16.5 | | 9.5 | | 44.6 | 36.5 | |
| 8.0 | | 37.1 | 5.0 | K | 9.4 | | 30.2 | 21.9 | | 6.5 | | 44.5 | 33.7 | K | 6.2 | | 33.1 | 3.9 | K | 9.5 | 24 | 0.3 | 13.9 | |
| 9.5 | | 42.2 | 47.3 | | 9.5 | | 46.0 | 19.7 | | 9.4 | | 48.0 | 13.2 | | 9.5 | | 48.8 | 43.6 | | 9.5 | | 0.8 | 8.4 | |
| 7.8 | 43 | 24.0 | 39.7 | K | 9.0 | | 54.1 | 55.2 | | 8.0 | 5 | 11.0 | 50.7 | K | *9.4 | 15 | 19.4 | 2.0 | | 9.0 | | 6.5 | 1.9 | |
| 9.5 | | 31.3 | 52.3 | | 9.5 | 54 | 0.5 | 2.7 | | 8.6 | | 23.6 | 34.3 | K | 9.2 | | 37.9 | 12.7 | | 9.3 | | 17.8 | 42.9 | |
| 9.4 | | 34.1 | 55.0 | | 8.8 | | 2.1 | 3.9 | | 9.2 | | 33.3 | 11.3 | | 9.5 | | 44.2 | 23.5 | | 9.5 | | 28.4 | 28.9 | |
| 9.5 | | 40.2 | 4.1 | | 9.4 | | 23.3 | 11.5 | | 9.2 | | 44.9 | 11.5 | | 9.1 | | 46.9 | 6.6 | B | 9.4 | | 38.6 | 0.3 | |
| 9.5 | 44 | 8.4 | 35.2 | | 9.5 | | 40.1 | 4.5 | | 9.5 | | 51.1 | 54.2 | | 9.4 | | 55.3 | 24.7 | | 9.5 | | 49.5 | 0.9 | |
| 9.5 | | 12.3 | 39.2 | B | 9.4 | | 59.6 | 36.8 | | 8.8 | | 56.6 | 5.3 | | 9.3 | 16 | 4.7 | 40.0 | | 9.5 | 25 | 2.3 | 24.1 | |
| 9.5 | | 12.9 | 35.9 | | 9.5 | 55 | 0.0 | 33.6 | | 9.4 | 6 | 10.3 | 43.2 | | 9.3 | | 14.0 | 15.8 | | 9.5 | | 8.1 | 16.7 | |
| 9.0 | | 37.9 | 35.4 | K | 8.8 | | 0.9 | 10.9 | Kb | 9.5 | | 14.2 | 17.3 | | 9.4 | | 43.7 | 41.2 | | 9.4 | | 14.7 | 39.0 | |
| 9.3 | | 38.2 | 11.5 | | 7.7 | | 22.9 | 47.7 | L | 9.5 | | 26.5 | 17.9 | | 9.0 | | 49.1 | 18.2 | | 9.5 | | 33.9 | 41.2 | |
| 9.5 | | 50.4 | 19.4 | | 9.4 | | 59.4 | 41.2 | | 9.5 | | 39.3 | 20.5 | | 9.3 | | 59.0 | 0.2 | | 9.4 | | 35.2 | 38.5 | |
| 9.2 | 45 | 7.1 | 44.6 | | 9.5 | 56 | 1.8 | 23.2 | | 9.5 | 7 | 2.3 | 24.3 | | 8.8 | 17 | 10.8 | 41.5 | | 9.5 | | 42.7 | 21.4 | |
| 9.3 | | 16.3 | 51.2 | | *8.4 | | 18.2 | 6.8 | K | 9.5 | | 5.9 | 45.5 | | 8.4 | | 12.6 | 36.7 | L | 8.9 | | 47.9 | 12.8 | |
| 9.4 | | 17.3 | 13.9 | | 9.5 | | 28.5 | 17.5 | | 9.2 | | 12.4 | 28.8 | | 8.9 | | 31.2 | 3.7 | B | 9.5 | | 51.2 | 56.0 | |
| 9.3 | | 18.5 | 32.3 | | 9.5 | | 32.7 | 38.2 | | 9.1 | | 22.3 | 26.6 | b | 6.7 | | 35.1 | 18.5 | K | 9.3 | 26 | 10.0 | 50.6 | |
| 9.5 | | 27.5 | 57.7 | | 9.5 | | 35.7 | 38.7 | | 9.2 | | 55.7 | 45.4 | | 9.5 | | 41.0 | 8.9 | | 9.0 | | 24.9 | 11.8 | |
| 8.7 | | 32.4 | 48.7 | B | 9.5 | 57 | 6.4 | 48.4 | | 9.2 | | 56.6 | 36.8 | | 9.2 | | 59.2 | 53.6 | | 9.1 | | 26.2 | 21.7 | Kb |
| 9.5 | | 45.9 | 7.7 | | 7.8 | | 9.6 | 36.0 | K | 9.1 | | 57.7 | 40.5 | | 9.5 | 18 | 5.7 | 6.0 | | 8.0 | | 39.8 | 42.7 | K |
| 9.5 | 46 | 4.3 | 38.3 | | 9.5 | | 13.1 | 5.5 | | 9.4 | 8 | 9.5 | 1.2 | | 9.5 | | 27.2 | 23.5 | | 9.2 | | 46.1 | 54.8 | |
| 9.2 | | 23.2 | 15.6 | B | 9.5 | | 30.5 | 26.6 | | 9.4 | | 13.4 | 29.1 | | 9.5 | | 37.6 | 53.6 | B | 9.4 | 27 | 8.0 | 13.3 | |
| 9.5 | | 25.5 | 20.2 | | 8.1 | | 42.2 | 55.7 | Kb | 9.5 | | 31.4 | 27.9 | | 9.5 | | 41.8 | 59.1 | | 9.5 | | 8.3 | 24.1 | |
| 9.5 | | 36.7 | 28.8 | | 9.5 | | 48.3 | 26.3 | | 8.2 | | 35.5 | 32.0 | K | 8.5 | | 53.0 | 16.3 | K | 9.1 | | 36.6 | 16.7 | |
| 9.5 | | 37.8 | 58.1 | | 9.5 | | 56.0 | 16.2 | | 9.3 | | 42.5 | 51.3 | K | 7.8 | | 54.0 | 50.6 | K | 9.5 | | 37.3 | 32.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | 20.62 | | 0.59 | | 10pr. | 20.72 | | 0.75 | | 10pr. | 20.86 | | 0.92 | | 10pr. | 20.99 | | 1.06 | | 10pr. | 21.13 | | 1.18 | |
| | | | | | 3309 a var | 56 | 12 | 18.7 | | | | | | | 3418 a var | 14 | 59.8 | 36.4 | | | | | | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ | | +37° | | | 17ᵘ—18ᵘ | | +37° | | | 18ᵘ | | +37° | | | 18ᵘ | | +37° | | | 18ᵘ | | +37° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 9.5 | 26 | 16.8 | 22.7 | | 9.3 | 46 | 6.1 | 11.3 | | 9.4 | 2 | 20.5 | 21.0 | | 9.4 | 15 | 9.7 | 9.5 | | 7.6 | 25 | 12.4 | 7.3 | K |
| 9.5 | 27 | 45.7 | 41.6 | | 9.4 | | 6.2 | 18.3 | | 9.3 | | 25.4 | 1.8 | | 9.5 | | 19.4 | 24.6 | | 9.5 | | 20.3 | 54.0 | |
| 9.3 | | 46.5 | 33.3 | | 9.0 | | 24.0 | 33.8 | | 9.0 | | 35.0 | 29.5 | | 9.2 | | 24.2 | 11.8 | | 9.5 | | 40.1 | 48.6 | |
| 9.0 | 28 | 1.5 | 28.9 | K | 9.1 | | 48.5 | 16.8 | | 9.5 | | 40.7 | 48.0 | | 8.4 | | 25.9 | 33.8 | K | 9.5 | 26 | 0.2 | 52.3 | |
| 9.5 | | 56.1 | 14.2 | | 8.8 | 47 | 45.5 | 19.7 | | 8.8 | 3 | 2.0 | 2.9 | | 9.5 | | 39.3 | 28.6 | | 9.4 | | 8.0 | 59.3 | |
| 9.5 | 29 | 3.2 | 6.5 | | 9.4 | | 45.6 | 26.0 | | 9.1 | | 4.0 | 25.5 | | 8.9 | | 58.4 | 50.6 | K | 9.5 | | 13.7 | 42.3 | B |
| 9.3 | | 22.8 | 21.3 | | 9.0 | | 46.0 | 13.5 | | 9.5 | | 8.9 | 35.9 | | 9.1 | 16 | 11.9 | 22.0 | | 9.1 | | 31.3 | 14.0 | |
| 6.5 | 30 | 44.2 | 24.0 | K | 8.5 | | 57.7 | 42.9 | | 9.5 | | 11.6 | 41.9 | | 9.0 | | 16.6 | 33.3 | | 8.5 | | 33.1 | 8.3 | |
| 9.4 | 31 | 13.3 | 52.5 | | 8.3 | 48 | 1.5 | 36.7 | | 9.2 | | 58.5 | 13.0 | | 9.3 | | 17.7 | 48.4 | | 9.4 | 27 | 3.9 | 2.0 | |
| 9.5 | | 46.5 | 50.2 | | 9.4 | | 2.8 | 4.4 | | 9.5 | 4 | 10.0 | 13.1 | | 9.5 | | 22.9 | 0.3 | | 9.3 | | 15.5 | 21.4 | |
| 9.2 | 32 | 35.5 | 13.1 | K | 9.3 | | 19.0 | 19.7 | | 8.8 | | 20.6 | 43.3 | | 9.0 | | 40.1 | 58.3 | | 9.4 | | 18.0 | 58.5 | |
| 9.5 | | 45.5 | 4.2 | | 9.5 | | 34.0 | 27.5 | | 9.5 | | 39.0 | 33.6 | | 9.3 | | 44.1 | 27.2 | | 9.5 | | 24.4 | 19.4 | |
| 9.5 | | 53.7 | 57.2 | | 9.1 | | 50.9 | 56.4 | K | 9.0 | 5 | 7.0 | 45.7 | K | 9.3 | | 50.0 | 46.9 | | 9.5 | | 24.7 | 27.8 | |
| 9.5 | | 55.5 | 24.8 | | 9.5 | 49 | 0.5 | 4.8 | | 9.5 | | 17.5 | 26.8 | | 9.5 | | 56.8 | 46.9 | | 9.3 | | 25.0 | 3.3 | |
| 9.1 | | 59.5 | 13.1 | K | 9.3 | | 13.0 | 30.9 | | 9.5 | | 25.3 | 24.8 | | 9.0 | | 58.3 | 22.4 | | 8.5 | | 37.0 | 41.4 | |
| 8.3 | 33 | 6.5 | 1.4 | | 9.5 | | 27.4 | 6.2 | | 9.5 | | 33.8 | 21.4 | | 9.5 | 17 | 3.7 | 19.7 | | 7.8 | | 54.9 | 19.6 | L |
| 9.5 | | 7.1 | 51.6 | | 9.5 | | 37.8 | 55.6 | | 9.1 | | 33.8 | 54.3 | | 8.8 | | 4.1 | 39.2 | | 9.2 | 28 | 4.6 | 38.0 | B |
| 9.4 | | 11.0 | 45.9 | | 9.5 | | 57.0 | 27.9 | | 9.5 | | 58.5 | 9.3 | | 9.5 | | 18.9 | 59.2 | | 9.5 | | 7.7 | 37.2 | |
| 9.5 | | 37.3 | 9.5 | | 9.0 | | 59.5 | 13.1 | | 8.3 | 6 | 45.6 | 39.9 | | 8.9 | | 29.0 | 51.5 | | 9.3 | | 24.3 | 52.3 | |
| 9.3 | | 39.3 | 48.4 | | 9.5 | 50 | 27.5 | 49.0 | | 8.5 | | 49.0 | 21.2 | Kb | 8.2 | | 29.6 | 11.0 | Kb | 9.5 | | 57.0 | 59.5 | |
| 9.2 | | 42.8 | 58.2 | | 9.5 | 51 | 16.0 | 45.0 | | 7.7 | | 52.6 | 51.0 | L | 9.5 | | 34.4 | 17.9 | | 8.8 | | 58.2 | 8.6 | |
| 9.5 | | 51.5 | 38.9 | | 3.5 | | 18.2 | 15.9 | K | 9.4 | 7 | 8.0 | 13.1 | | 9.5 | | 59.5 | 44.6 | | 9.5 | 29 | 0.8 | 32.3 | |
| 9.3 | 34 | 1.6 | 56.8 | | 9.0 | | 18.5 | 38.9 | K | 8.5 | | 31.0 | 37.7 | K | 9.5 | 18 | 14.3 | 27.1 | | 9.4 | | 26.0 | 2.7 | |
| 9.5 | | 18.0 | 8.9 | | 9.4 | | 31.6 | 25.5 | | 9.4 | | 35.3 | 54.9 | | 9.5 | | 28.0 | 56.0 | | 9.1 | | 28.5 | 31.5 | |
| 9.4 | | 43.9 | 1.0 | | 9.5 | | 52.5 | 38.4 | | 9.0 | | 37.0 | 28.9 | | 9.5 | | 40.9 | 17.0 | | 9.3 | | 51.1 | 11.0 | |
| 8.4 | | 45.0 | 19.2 | K | 9.5 | | 52.9 | 30.7 | | 9.5 | | 52.5 | 11.3 | | 9.4 | | 48.7 | 39.7 | | 9.5 | | 51.1 | 4.6 | |
| 9.3 | | 45.5 | 39.6 | | 9.2 | 52 | 8.3 | 5.8 | | 9.5 | 8 | 25.0 | 35.0 | | 9.4 | | 56.3 | 42.2 | | 9.2 | 30 | 3.8 | 33.7 | |
| 9.5 | 35 | 1.6 | 4.8 | | 6.5 | | 15.2 | 47.0 | | 9.5 | | 39.5 | 39.6 | | 8.8 | 19 | 4.2 | 13.0 | K | 9.5 | | 5.1 | 46.0 | |
| 8.6 | | 43.8 | 56.5 | L | 9.5 | | 16.5 | 52.9 | | 9.3 | | 47.0 | 15.6 | | 8.0 | | 19.4 | 37.5 | K | 8.5 | | 13.4 | 14.9 | K |
| 7.3 | 36 | 32.5 | 55.7 | K | 9.5 | 53 | 14.4 | 5.6 | | 9.4 | | 55.0 | 39.8 | | 9.5 | | 51.8 | 39.4 | | 9.3 | | 18.2 | 0.5 | |
| 8.7 | 37 | 8.8 | 58.6 | | 8.5 | | 35.8 | 53.2 | | 8.5 | | 58.9 | 6.4 | | 9.5 | | 52.1 | 44.7 | | 9.3 | | 19.5 | 5.1 | |
| 9.1 | | 36.5 | 59.1 | | 9.5 | 54 | 27.5 | 11.7 | | 9.5 | 9 | 31.3 | 23.0 | | 9.5 | 20 | 46.9 | 20.8 | | 8.2 | | 21.0 | 59.8 | B |
| 9.5 | 38 | 6.3 | 47.0 | | 9.5 | | 45.0 | 47.5 | | 9.5 | | 36.4 | 34.3 | | 9.1 | | 52.8 | 39.6 | b | 8.0 | | 44.0 | 33.0 | B |
| 7.5 | | 7.2 | 38.4 | Kb | 9.5 | | 54.6 | 14.1 | | 9.4 | | 48.5 | 34.3 | | 9.5 | | 53.0 | 2.2 | | 9.3 | | 52.8 | 40.7 | |
| 9.0 | 39 | 7.7 | 37.1 | K | 9.3 | 55 | 9.5 | 20.0 | | 9.5 | | 57.7 | 7.6 | | 9.5 | | 57.2 | 49.0 | | 9.5 | 31 | 12.1 | 59.7 | |
| 9.4 | | 30.9 | 1.5 | b | 9.3 | 56 | 16.0 | 27.1 | b | 7.5 | | 58.0 | 21.7 | K | 9.4 | | 57.8 | 34.2 | | 7.0 | | 15.6 | 55.5 | L |
| 9.5 | | 39.0 | 11.7 | | 9.5 | 57 | 35.1 | 57.4 | | 9.2 | 10 | 2.0 | 11.6 | B | 9.5 | | 58.3 | 53.0 | | 9.2 | | 57.9 | 33.5 | |
| 9.4 | | 54.0 | 22.0 | | 9.5 | | 51.4 | 54.0 | | 9.5 | | 45.2 | 54.0 | | 9.5 | 21 | 30.7 | 47.5 | | 8.0 | 32 | 2.4 | 17.8 | K |
| 8.7 | | 55.5 | 41.2 | K | 9.0 | 58 | 0.2 | 10.8 | | 9.5 | | 47.8 | 2.2 | | 9.0 | | 37.1 | 29.8 | | 9.5 | | 10.3 | 0.1 | |
| 7.5 | | 56.9 | 55.6 | K | 9.5 | | 1.0 | 43.3 | | 9.1 | | 47.9 | 20.6 | | 7.9 | | 53.8 | 21.7 | K | 7.0 | | 34.0 | 39.4 | K |
| 9.1 | 40 | 5.5 | 43.2 | | 8.5 | | 18.9 | 50.0 | K | 8.3 | 11 | 1.0 | 34.0 | K | 9.1 | 22 | 9.2 | 9.6 | b | 9.1 | | 39.5 | 58.8 | |
| 9.4 | | 24.4 | 2.8 | | 9.5 | | 26.0 | 13.8 | | 9.2 | | 29.8 | 8.6 | | 9.4 | | 14.3 | 53.1 | | 9.0 | | 45.7 | 59.0 | |
| 9.5 | | 53.5 | 14.2 | | 9.3 | | 29.1 | 51.3 | | 9.2 | | 35.0 | 18.2 | | 9.4 | | 17.5 | 18.8 | | 8.0 | | 59.4 | 18.6 | K |
| 9.3 | 41 | 50.0 | 11.0 | | 9.5 | | 42.5 | 30.7 | | 9.1 | | 47.5 | 34.8 | | 9.5 | | 33.6 | 23.4 | | 9.3 | 33 | 1.8 | 54.9 | |
| 9.5 | 42 | 4.5 | 53.2 | | 9.2 | 59 | 8.0 | 10.4 | | 8.5 | | 56.0 | 27.5 | K | 9.4 | | 39.7 | 9.0 | | 9.4 | | 3.8 | 49.8 | |
| 9.5 | | 8.9 | 0.6 | | 8.8 | | 14.1 | 8.8 | | 9.5 | 12 | 5.1 | 25.8 | | 9.5 | | 50.8 | 20.8 | | 9.3 | | 5.3 | 13.5 | |
| 9.0 | | 14.5 | 27.5 | b | 9.5 | | 38.0 | 24.4 | | 9.5 | | 33.6 | 44.0 | | 9.5 | 23 | 4.0 | 3.3 | | 9.2 | | 8.7 | 34.2 | |
| 9.3 | 43 | 33.4 | 13.8 | | 7.8 | | 55.2 | 49.5 | K | 8.8 | | 38.8 | 58.1 | K | 9.4 | | 9.4 | 32.0 | | 9.0 | | 17.4 | 11.0 | K |
| 7.0 | | 58.8 | 5.8 | K | 9.0 | 0 | 0.2 | 42.6 | K | 9.4 | | 53.7 | 33.1 | | 9.5 | | 39.5 | 35.5 | | 9.4 | | 36.0 | 41.9 | |
| 9.5 | 44 | 9.5 | 2.9 | | 9.5 | | 12.2 | 13.5 | | 8.4 | | 59.1 | 55.1 | Kb | 7.5 | | 42.2 | 9.6 | K | 9.5 | 34 | 11.3 | 37.7 | |
| 9.5 | | 18.5 | 26.1 | | 9.5 | | 24.3 | 55.5 | | 9.5 | 13 | 0.5 | 25.5 | | 9.4 | 24 | 3.6 | 6.6 | | 9.4 | | 16.0 | 3.1 | |
| 9.3 | 45 | 4.5 | 34.2 | | 8.8 | | 41.0 | 26.5 | | 9.3 | | 42.6 | 4.2 | | 9.5 | | 4.5 | 51.6 | | 8.9 | | 16.7 | 11.7 | K |
| 9.0 | | 6.7 | 47.8 | | 8.7 | 1 | 12.5 | 16.9 | | 9.3 | | 44.0 | 28.2 | | 9.4 | | 4.7 | 19.7 | | 7.7 | | 33.8 | 23.5 | K |
| 9.1 | | 6.7 | 20.1 | b | 9.4 | | 13.4 | 5.8 | | 9.5 | | 59.0 | 23.5 | | 9.2 | | 6.9 | 48.3 | | 8.7 | | 36.7 | 41.5 | |
| 9.2 | | 10.5 | 32.3 | | 7.5 | | 14.0 | 46.4 | K | 8.0 | 14 | 8.4 | 35.1 | L | 9.5 | | 30.2 | 30.2 | B | 9.3 | | 40.2 | 47.6 | |
| 9.5 | | 21.0 | 14.5 | | 9.1 | | 23.9 | 12.3 | | 9.3 | | 14.3 | 1.8 | | 9.5 | | 40.1 | 24.3 | | 7.5 | | 46.3 | 51.8 | L |
| 9.2 | | 41.4 | 43.7 | | 8.8 | | 33.5 | 41.2 | K | 9.5 | | 15.9 | 27.5 | | 9.3 | | 46.3 | 48.8 | | 8.5 | | 49.1 | 35.3 | |
| 9.0 | | 52.6 | 0.4 | K | 8.9 | | 42.9 | 10.8 | K | 8.4 | | 21.6 | 54.2 | | 9.2 | | 48.9 | 1.2 | | 9.0 | | 53.5 | 40.0 | |
| 9.5 | 46 | 0.3 | 6.8 | | 8.0 | | 56.0 | 47.1 | K | 8.7 | | 42.5 | 25.8 | K | 8.7 | | 54.0 | 57.5 | | 9.2 | | 56.9 | 58.6 | |
| 8.0 | | 0.3 | 46.1 | S | 9.1 | 2 | 18.0 | 44.3 | | 9.4 | | 53.9 | 54.2 | | 8.8 | 25 | 0.9 | 4.1 | K | 9.0 | 35 | 1.3 | 12.3 | K |
| | | + | — | | | | + | — | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 20.52 | 0.34 | | 10pr. | | 20.47 | 0.10 | | 10pr. | | 20.47 | 0.13 | | 10pr. | | 20.50 | 0.29 | | 10pr. | | 20.55 | 0.44 | |

| 2931ᵃ | | | | |
|---|---|---|---|---|
| 9.4 | 37 | 18.4 | 18.7 | B |

3201—3260

| | 18ᵘ | +37° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.7 | 35 16.8 | 34.5 | K |
| 9.5 | 29.4 | 19.2 | |
| 9.5 | 35.6 | 26.9 | |
| 9.4 | 59.6 | 5.4 | |
| 8.5 | 36 8.2 | 9.1 | K |
| 9.3 | 37.5 | 22.6 | |
| 9.5 | 44.4 | 47.1 | |
| 9.5 | 48.8 | 4.6 | |
| 9.5 | 51.5 | 20.3 | |
| 8.9 | 56.0 | 58.6 | K |
| 9.4 | 37 5.3 | 9.5 | |
| 9.2 | 47.5 | 12.5 | |
| 8.2 | 49.4 | 18.7 | K |
| 9.5 | 38 3.0 | 57.7 | |
| 8.5 | 6.8 | 34.2 | |
| 9.5 | 12.2 | 27.4 | |
| 9.5 | 29.0 | 35.2 | |
| 9.5 | 51.8 | 13.5 | |
| 8.7 | 39 22.0 | 54.3 | K |
| 9.0 | 22.2 | 11.1 | |
| 9.0 | 24.1 | 0.4 | |
| 4.5 | 46.7 | 27.7 | S |
| 5.5 | 48.6 | 26.8 | L |
| 9.5 | 48.8 | 0.8 | |
| 9.4 | 40 1.4 | 36.5 | |
| 9.3 | 11.3 | 47.6 | |
| 9.5 | 22.9 | 24.7 | |
| 8.1 | 25.5 | 5.5 | B |
| 9.0 | 29.9 | 26.3 | B |
| 9.5 | 36.4 | 6.3 | |
| 9.2 | 47.3 | 58.6 | |
| 9.5 | 41 3.4 | 14.7 | |
| 9.5 | 7.7 | 58.2 | |
| 9.5 | 57.9 | 47.4 | B |
| 9.5 | 42 2.5 | 58.9 | |
| 9.5 | 33.3 | 36.4 | B |
| 8.0 | 37.1 | 5.0 | K |
| 9.5 | 42.2 | 47.3 | |
| 7.8 | 43 24.0 | 39.7 | K |
| 9.5 | 31.3 | 52.3 | |
| 9.4 | 34.1 | 55.0 | |
| 9.5 | 40.2 | 4.1 | |
| 9.5 | 44 8.4 | 35.2 | |
| 9.5 | 12.3 | 39.2 | B |
| 9.5 | 12.9 | 35.9 | |
| 9.0 | 37.9 | 35.4 | K |
| 9.3 | 38.2 | 11.5 | |
| 9.5 | 50.4 | 19.4 | |
| 9.2 | 45 7.1 | 44.6 | |
| 9.3 | 16.3 | 51.2 | |
| 9.4 | 17.3 | 13.9 | |
| 9.3 | 18.5 | 32.3 | |
| 9.5 | 27.5 | 57.7 | |
| 8.7 | 32.4 | 48.7 | B |
| 9.5 | 45.9 | 7.7 | |
| 9.5 | 46 4.3 | 38.3 | |
| 9.2 | 23.2 | 15.6 | B |
| 9.5 | 25.5 | 20.2 | |
| 9.5 | 36.7 | 28.8 | |
| 9.5 | 37.8 | 58.1 | |
| | + | + | |
| 10pr. | 20.62 | 0.59 | |

3261—3320

| | 18ᵘ | +37° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 46 50.9 | 7.3 | |
| 7.5 | 47 0.5 | 20.9 | K |
| 9.0 | 8.0 | 2.1 | K |
| 9.4 | 9.9 | 57.4 | |
| 9.4 | 12.2 | 46.8 | |
| 9.5 | 32.0 | 39.2 | |
| 7.9 | 57.7 | 8.7 | K |
| 9.2 | 48 10.2 | 40.3 | |
| 8.7 | 11.4 | 46.6 | |
| 8.1 | 22.4 | 25.5 | K |
| 8.2 | 22.5 | 17.7 | K |
| 9.2 | 39.8 | 40.8 | |
| 7.9 | 40.2 | 48.6 | B |
| 9.5 | 45.1 | 50.4 | |
| 9.4 | 53.0 | 30.1 | |
| 7.7 | 56.3 | 11.9 | K |
| 9.5 | 49 5.2 | 32.0 | |
| 9.1 | 16.2 | 6.9 | K |
| 8.9 | 25.7 | 7.7 | K |
| 9.4 | 50 12.9 | 47.8 | |
| 9.1 | 16.3 | 24.1 | K |
| 8.6 | 18.5 | 51.8 | |
| 9.3 | 36.0 | 29.3 | |
| 8.8 | 41.5 | 55.0 | |
| 8.8 | 46.2 | 43.9 | |
| 9.2 | 48.2 | 22.9 | K |
| 9.5 | 51 5.5 | 3.8 | |
| 9.5 | 5.5 | 46.3 | |
| 9.4 | 7.6 | 53.0 | |
| 9.2 | 25.4 | 58.3 | |
| 9.4 | 59.6 | 58.5 | |
| 9.5 | 59.7 | 20.7 | |
| 9.5 | 52 2.7 | 40.6 | |
| 9.5 | 3.5 | 48.8 | |
| 9.5 | 41.1 | 5.7 | |
| 8.6 | 53 6.0 | 41.4 | |
| 9.4 | 30.2 | 21.9 | |
| 9.5 | 46.0 | 19.7 | |
| 9.0 | 54.1 | 55.2 | |
| 9.5 | 54 0.5 | 2.7 | |
| 8.8 | 2.1 | 3.9 | |
| 9.4 | 23.3 | 11.5 | |
| 9.5 | 40.1 | 4.5 | |
| 9.4 | 59.6 | 36.8 | |
| 9.5 | 55 0.0 | 33.6 | |
| 8.8 | 0.9 | 10.9 | Kb |
| 7.7 | 22.9 | 47.7 | L |
| 9.4 | 59.4 | 41.2 | |
| 9.5 | 56 1.8 | 23.2 | |
| *8.4 | 18.2 | 6.8 | K |
| 9.5 | 28.5 | 17.5 | |
| 9.5 | 32.7 | 38.2 | |
| 9.5 | 35.7 | 38.7 | |
| 9.5 | 57 6.4 | 48.4 | |
| 7.8 | 9.6 | 36.0 | K |
| 9.5 | 13.1 | 5.5 | |
| 9.5 | 30.5 | 26.6 | |
| 8.1 | 42.2 | 55.7 | Kb |
| 9.5 | 48.3 | 26.3 | |
| 9.5 | 56.0 | 16.2 | |
| | + | + | |
| 10pr. | 20.72 | 0.75 | |

3321—3380

| | 18ᵘ—19ᵘ | +37° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 57 57.5 | 48.8 | |
| 8.2 | 58 9.6 | 8.5 | K |
| 9.4 | 25.1 | 18.6 | |
| 8.6 | 36.3 | 59.2 | K |
| 9.5 | 43.8 | 18.9 | |
| 9.5 | 48.5 | 42.9 | |
| 9.5 | 59 22.2 | 38.5 | |
| 7.4 | 24.1 | 53.6 | K |
| 9.4 | 26.5 | 51.4 | |
| 9.4 | 26.9 | 11.6 | |
| 9.1 | 27.1 | 1.3 | |
| 8.9 | 39.7 | 4.2 | |
| 8.8 | 59.5 | 17.2 | |
| 9.5 | 0 7.7 | 41.2 | |
| 8.8 | 22.0 | 50.6 | |
| 9.5 | 36.5 | 30.8 | |
| 9.5 | 59.9 | 48.4 | |
| 9.5 | 1 0.6 | 1.4 | |
| 9.2 | 18.4 | 43.6 | |
| 9.0 | 23.8 | 42.1 | B |
| 7.3 | 24.9 | 9.9 | K |
| 9.4 | 27.6 | 36.0 | |
| 9.1 | 31.2 | 22.7 | |
| 9.5 | 2 20.7 | 33.6 | B |
| 9.4 | 43.3 | 15.9 | |
| 9.1 | 51.2 | 18.7 | |
| 8.9 | 3 12.6 | 45.9 | |
| 9.5 | 22.7 | 5.9 | |
| 9.0 | 31.4 | 42.0 | |
| 8.5 | 32.2 | 40.8 | S |
| 9.3 | 4 0.8 | 6.8 | |
| 9.5 | 8.2 | 51.6 | |
| 9.5 | 8.6 | 35.3 | |
| 9.5 | 9.5 | 4.0 | |
| 8.3 | 20.2 | 23.2 | K |
| 9.2 | 30.5 | 32.0 | |
| 6.5 | 44.5 | 33.7 | K |
| 9.4 | 48.0 | 13.2 | |
| 8.0 | 5 11.0 | 50.7 | K |
| 8.6 | 23.6 | 34.3 | K |
| 9.2 | 33.3 | 11.3 | |
| 9.2 | 44.9 | 11.5 | |
| 9.5 | 51.1 | 54.2 | |
| 8.8 | 56.6 | 5.3 | |
| 9.4 | 6 10.3 | 43.2 | |
| 9.5 | 14.2 | 17.3 | |
| 9.5 | 26.5 | 17.9 | |
| 9.5 | 49.3 | 20.5 | |
| 9.5 | 7 2.3 | 24.3 | |
| 9.5 | 5.9 | 45.5 | |
| 9.2 | 12.4 | 28.8 | |
| 9.1 | 22.3 | 26.6 | b |
| 9.2 | 55.7 | 45.4 | |
| 9.2 | 56.6 | 36.8 | |
| 9.1 | 57.7 | 40.5 | |
| 9.4 | 8 9.5 | 1.2 | |
| 9.4 | 13.4 | 29.1 | |
| 9.5 | 31.4 | 27.9 | |
| 8.2 | 35.5 | 32.0 | K |
| 9.3 | 42.5 | 51.3 | |
| | + | + | |
| 10pr. | 20.86 | 0.92 | |

3381—3440

| | 19ᵘ | +37° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 8 53.1 | 53.8 | |
| 9.5 | 9 9.7 | 1.2 | |
| 9.4 | 14.5 | 50.5 | |
| 8.0 | 17.3 | 23.6 | B |
| 9.1 | 32.6 | 17.2 | |
| 8.8 | 40.4 | 27.5 | |
| 8.2 | 48.8 | 43.7 | |
| 9.5 | 51.9 | 46.2 | |
| 9.2 | 10 0.3 | 53.0 | |
| 8.7 | 1.4 | 47.7 | |
| 9.3 | 25.4 | 12.8 | B |
| 9.5 | 31.9 | 45.8 | |
| 9.2 | 32.7 | 55.8 | |
| 7.5 | 43.7 | 2.7 | K |
| 9.1 | 46.2 | 56.0 | |
| 9.2 | 11 2.9 | 24.0 | |
| 9.0 | 7.7 | 7.9 | K |
| 4.6 | 21.1 | 52.8 | K |
| 9.1 | 29.1 | 53.3 | |
| 9.5 | 47.2 | 58.7 | |
| 9.5 | 48.6 | 8.1 | |
| 9.4 | 12 27.9 | 30.6 | |
| 8.0 | 29.2 | 21.3 | L |
| 9.2 | 47.2 | 52.9 | |
| 9.0 | 59.5 | 54.1 | B |
| 9.5 | 13 5.2 | 21.4 | |
| 9.2 | 11.0 | 25.4 | Bb |
| 9.3 | 17.9 | 6.7 | |
| 9.5 | 20.1 | 7.2 | |
| 7.5 | 44.1 | 19.1 | L |
| 9.0 | 52.8 | 8.6 | |
| 9.4 | 53.0 | 2.9 | |
| 6.2 | 53.9 | 11.0 | L |
| 9.0 | 14 21.9 | 45.6 | |
| 9.5 | 23.2 | 23.4 | |
| 9.5 | 24.5 | 16.5 | |
| 6.2 | 33.1 | 3.9 | K |
| 9.5 | 48.8 | 43.6 | |
| *9.4 | 15 19.4 | 2.0 | |
| 9.2 | 37.9 | 12.7 | |
| 9.5 | 44.2 | 23.5 | |
| 9.1 | 46.9 | 6.6 | B |
| 9.4 | 55.3 | 24.7 | |
| 9.3 | 16 4.7 | 40.0 | |
| 9.3 | 14.0 | 15.8 | |
| 9.4 | 43.7 | 41.2 | |
| 9.0 | 49.1 | 18.2 | |
| 9.3 | 59.0 | 0.2 | |
| 8.8 | 17 10.8 | 41.5 | |
| 8.4 | 12.6 | 36.7 | L |
| 8.9 | 31.2 | 3.7 | B |
| 6.7 | 35.1 | 18.5 | K |
| 9.5 | 41.0 | 8.9 | |
| 9.2 | 59.2 | 53.6 | |
| 9.5 | 18 5.7 | 6.0 | |
| 9.5 | 27.2 | 23.5 | |
| 9.5 | 37.6 | 53.6 | B |
| 9.5 | 41.8 | 59.1 | |
| 8.5 | 53.0 | 16.3 | K |
| 7.8 | 54.0 | 50.6 | K |
| | + | + | |
| 10pr. | 20.99 | 1.06 | |

3441—3500

| | 19ᵘ | +37° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 19 4.5 | 34.0 | |
| 9.5 | 6.3 | 58.9 | |
| 9.5 | 10.5 | 31.6 | |
| 9.5 | 16.7 | 41.2 | |
| 9.5 | 20.0 | 51.7 | |
| 9.3 | 21.1 | 50.2 | B |
| 9.2 | 34.2 | 29.6 | |
| 9.5 | 36.8 | 25.2 | |
| 9.5 | 37.1 | 55.3 | |
| 9.1 | 40.3 | 59.0 | |
| 9.5 | 20 5.2 | 58.1 | |
| 9.4 | 12.5 | 32.6 | |
| 9.5 | 14.1 | 17.0 | |
| 9.5 | 31.9 | 10.3 | |
| 9.5 | 46.3 | 25.9 | |
| 9.5 | 21 2.2 | 23.4 | |
| 9.4 | 6.3 | 45.8 | |
| 9.5 | 8.1 | 55.0 | |
| 9.5 | 23.4 | 44.8 | |
| 9.3 | 46.2 | 21.6 | |
| 9.1 | 50.9 | 10.8 | |
| 8.3 | 59.5 | 16.7 | |
| 8.8 | 22 21.0 | 51.8 | |
| 9.0 | 28.4 | 14.9 | |
| 6.4 | 31.7 | 38.9 | K |
| 9.5 | 32.3 | 27.5 | |
| 9.5 | 40.9 | 47.4 | |
| 9.5 | 53.9 | 45.4 | |
| 9.4 | 23 0.4 | 11.0 | |
| 9.2 | 0.9 | 48.5 | |
| 9.4 | 6.5 | 33.8 | |
| 9.1 | 10.7 | 38.2 | |
| 9.0 | 13.5 | 34.3 | |
| 9.5 | 22.5 | 57.7 | |
| 9.4 | 33.0 | 50.8 | |
| 9.5 | 44.6 | 36.5 | |
| 9.5 | 24 0.3 | 13.9 | |
| 9.5 | 0.8 | 8.4 | |
| 9.0 | 6.5 | 1.9 | |
| 9.3 | 17.8 | 42.9 | |
| 9.5 | 28.4 | 28.9 | |
| 9.4 | 38.6 | 0.3 | |
| 9.5 | 49.5 | 0.9 | |
| 9.5 | 25 2.3 | 24.1 | |
| 9.5 | 8.1 | 16.7 | |
| 9.4 | 14.7 | 39.0 | |
| 9.5 | 33.9 | 41.2 | |
| 9.4 | 35.2 | 38.5 | |
| 9.5 | 42.7 | 21.4 | |
| 8.9 | 47.9 | 12.8 | |
| 9.5 | 51.2 | 56.0 | |
| 9.3 | 26 10.0 | 50.6 | |
| 9.0 | 24.9 | 11.8 | |
| 9.1 | 26.2 | 21.7 | Kb |
| 8.0 | 39.8 | 42.7 | K |
| 9.2 | 46.1 | 54.8 | |
| 9.4 | 27 8.0 | 13.3 | |
| 9.5 | 8.3 | 24.1 | |
| 9.1 | 36.6 | 16.7 | |
| 9.5 | 37.3 | 32.9 | |
| | + | + | |
| 10pr. | 21.13 | 1.18 | |

| 3309ᵃ var | 56 | 12 | 18.7 |
|---|---|---|---|

| 3418ᵃ var | 11 | 59.8 | 36.4 |
|---|---|---|---|

| m | 4101—4160 20ʰ | +37° | | m | 4161—4220 20ʰ—21ʰ | +37° | | m | 4221—4280 21ʰ | +37° | | m | 4281—4340 21ʰ | +37° | | m | 4341—4400 21ʰ | +37° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.9 | 48′ 57.6 | 44.2 | | 9.5 | 57′ 51.5 | 41.2 | | 9.5 | 6′ 36.2 | 34.2 | | 9.0 | 15′ 47.4 | 0.6 | | 9.4 | 26′ 42.8 | 25.1 | |
| 9.5 | 49 14.8 | 1.0 | | 9.5 | 58 1.7 | 46.8 | | 7.5 | 47.1 | 58.3 | L | 9.5 | 16 25.3 | 38.5 | | 9.5 | 43.8 | 50.0 | |
| 9.5 | 16.8 | 5.9 | | 9.2 | 19.3 | 12.7 | K | 9.5 | 7 27.9 | 5.7 | | 9.2 | 38.9 | 40.0 | K | 9.5 | 27 0.1 | 32.5 | - |
| 9.1 | 21.0 | 30.7 | | 9.5 | 23.2 | 35.9 | | 9.5 | 29.0 | 23.7 | | 8.8 | 45.0 | 6.5 | K | 9.2 | 11.6 | 20.2 | |
| 9.5 | 32.5 | 29.2 | | 9.5 | 26.5 | 41.1 | | 9.5 | 30.5 | 26.9 | | 9.0 | 50.9 | 3.3 | | 9.4 | 13.9 | 27.5 | |
| 9.5 | 42.8 | 48.5 | | 9.1 | 36.4 | 14.4 | | 9.5 | 32.5 | 27.2 | | 9.5 | 54.6 | 28.0 | | 8.0 | 42.9 | 52.9 | K |
| 9.3 | 59.2 | 34.9 | | 9.5 | 37.5 | 18.9 | | 9.1 | 33.1 | 33.0 | | 9.5 | 17 7.0 | 56.0 | | 8.9 | 46.3 | 49.7 | K |
| 8.9 | 50 1.9 | 52.9 | | 9.4 | 39.4 | 52.4 | | 8.5 | 37.4 | 39.4 | | 8.3 | 10.5 | 41.4 | K | 9.5 | 47.2 | 36.2 | |
| 8.8 | 4.3 | 11.7 | | 9.3 | 59 16.5 | 34.7 | | 7.8 | 42.0 | 48.0 | L | 9.5 | 27.2 | 35.7 | | 9.1 | 50.8 | 56.9 | |
| 9.5 | 41.9 | 3.0 | | 8.5 | 18.5 | 42.6 | K | 9.5 | 44.7 | 59.8 | | 9.5 | 36.9 | 0.0 | | 9.0 | 55.0 | 29.3 | K |
| 8.0 | 53.1 | 31.7 | K | 9.4 | 22.3 | 58.6 | | 8.8 | 57.2 | 57.6 | B | 9.4 | 50.6 | 44.9 | | 9.1 | 59.6 | 19.2 | |
| 8.7 | 51 12.0 | 53.4 | | 8.3 | 44.9 | 3.4 | | 9.0 | 8 5.8 | 50.0 | | 9.4 | 52.3 | 37.5 | | 9.5 | 28 11.8 | 0.4 | |
| 9.2 | 14.8 | 50.4 | | 8.8 | 0 4.0 | 54.2 | R | 8.9 | 13.0 | 54.0 | | 9.0 | 18 2.3 | 58.8 | Kb | 8.8 | 28.6 | 59.5 | |
| 9.1 | 18.0 | 59.0 | | 8.9 | 23.8 | 49.8 | | 9.5 | 18.3 | 28.6 | | 9.4 | 17.9 | 3.4 | | 9.5 | 28.8 | 50.8 | |
| 8.5 | 19.8 | 0.4 | K | 9.0 | 33.6 | 45.1 | | 7.3 | 20.2 | 10.5 | K | 7.8 | 22.6 | 2.2 | K | 9.3 | 29.0 | 54.8 | |
| 9.3 | 21.3 | 12.4 | | 8.7 | 36.2 | 10.9 | K | 9.5 | 28.9 | 0.4 | | 8.8 | 29.0 | 5.3 | K | 9.4 | 39.0 | 1.2 | |
| 8.2 | 26.3 | 11.7 | K | 9.5 | 52.2 | 34.9 | | 9.4 | 53.5 | 23.5 | | 9.5 | 41.2 | 56.2 | | 8.8 | 48.6 | 46.1 | K |
| 9.5 | 30.8 | 50.7 | | 7.5 | 52.9 | 27.5 | L | 9.3 | 55.2 | 35.4 | | 9.5 | 49.9 | 2.8 | | 9.3 | 51.7 | 21.4 | |
| 9.5 | 59.1 | 58.4 | | 8.6 | 1 14.9 | 57.4 | K | 9.4 | 58.5 | 42.6 | | 9.1 | 19 2.4 | 39.9 | | 5.0 | 51.9 | 53.0 | Kb |
| 9.5 | 52 1.9 | 49.2 | | 7.7 | 27.6 | 43.9 | K | 4.0 | 59.8 | 25.3 | K | 9.2 | 7.1 | 8.5 | K | 9.5 | 29 8.0 | 40.9 | |
| 9.5 | 9.0 | 59.8 | | 9.0 | 28.3 | 12.3 | | 9.4 | 9 21.0 | 4.8 | | 9.0 | 9.5 | 43.5 | | 9.5 | 12.9 | 27.6 | |
| 9.4 | 20.0 | 54.9 | | 9.4 | 35.6 | 20.2 | | 9.5 | 35.6 | 43.8 | | 9.3 | 13.9 | 57.4 | | 9.5 | 17.6 | 20.4 | |
| 9.3 | 22.5 | 41.5 | | 9.5 | 38.0 | 54.8 | | 9.4 | 36.0 | 54.4 | | 9.3 | 36.5 | 42.3 | | 9.3 | 19.2 | 1.0 | |
| 9.3 | 22.7 | 47.7 | | 9.5 | 50.7 | 7.7 | | 9.1 | 10 0.5 | 43.5 | | 9.3 | 50.1 | 7.7 | | 9.2 | 36.1 | 33.6 | |
| 9.4 | 40.7 | 23.3 | | 9.0 | 2 1.3 | 38.2 | K | 8.5 | 1.4 | 51.9 | | 9.2 | 56.6 | 58.3 | | 8.7 | 54.2 | 10.7 | K |
| 9.3 | 46.5 | 41.3 | | 9.5 | 6.6 | 44.9 | | 9.4 | 2.0 | 30.5 | | 9.4 | 57.7 | 53.2 | | 9.5 | 30 6.4 | 38.9 | |
| 9.5 | 51.0 | 6.5 | | 9.0 | 16.0 | 5.6 | | 9.0 | 9.4 | 16.2 | | 9.5 | 20 0.0 | 16.6 | | 7.6 | 12.3 | 13.2 | K |
| 8.0 | 53 1.2 | 34.9 | K | 9.5 | 25.0 | 57.5 | B | 8.9 | 16.2 | 10.5 | K | 9.5 | 1.0 | 0.0 | | 9.5 | 46.3 | 37.5 | |
| 9.4 | 2.8 | 2.2 | | 7.9 | 26.0 | 56.4 | L | 9.5 | 27.3 | 37.6 | | 8.5 | 1.9 | 53.4 | K | 9.5 | 31 12.7 | 21.7 | |
| 9.0 | 7.1 | 56.4 | | 9.0 | 27.6 | 0.9 | B | 9.5 | 30.5 | 42.3 | | 9.5 | 1.9 | 28.0 | | 9.4 | 22.1 | 7.6 | |
| 7.8 | 34.7 | 22.1 | K | 9.4 | 33.0 | 52.3 | | 9.5 | 56.9 | 32.1 | | 9.3 | 13.4 | 39.6 | | 9.5 | 32.1 | 56.5 | |
| 9.4 | 39.2 | 11.5 | | 9.0 | 42.5 | 54.2 | | 9.5 | 57.7 | 26.9 | | 9.4 | 15.4 | 50.1 | | 9.5 | 38.0 | 30.0 | |
| 9.0 | 54 2.5 | 18.7 | K | 8.6 | 3 6.3 | 22.1 | B | 9.3 | 11 6.3 | 38.2 | K | 9.5 | 43.1 | 42.2 | | 9.3 | 41.2 | 35.2 | |
| 9.5 | 5.8 | 49.8 | | 9.1 | 10.9 | 2.9 | | 9.5 | 15.0 | 55.0 | | 9.4 | 47.0 | 53.7 | | 9.1 | 54.2 | 0.3 | |
| 9.4 | 18.0 | 6.6 | | 9.5 | 12.6 | 25.1 | | 9.5 | 17.0 | 30.0 | | 9.5 | 21 15.9 | 2.1 | | 9.2 | 32 0.8 | 1.0 | |
| 9.5 | 45.7 | 47.9 | | 9.5 | 25.4 | 15.2 | | 9.4 | 30.3 | 12.6 | | 9.4 | 34.7 | 59.7 | | 9.4 | 1.1 | 33.9 | |
| 9.3 | 46.1 | 44.4 | | 9.1 | 27.0 | 56.0 | | 9.5 | 30.8 | 25.6 | | 9.2 | 57.8 | 56.7 | b | 9.5 | 6.1 | 58.2 | |
| 9.1 | 48.2 | 34.0 | b | 8.7 | 32.3 | 11.8 | | 9.5 | 33.0 | 31.0 | | 9.4 | 22 18.0 | 54.6 | | 8.5 | 18.4 | 40.9 | |
| 9.3 | 56.8 | 56.7 | | 9.0 | 34.9 | 52.8 | | 9.2 | 40.3 | 37.2 | K | 9.5 | 22.8 | 25.7 | | 9.5 | 23.0 | 30.6 | |
| 9.5 | 55 0.2 | 59.4 | | 9.3 | 36.8 | 26.0 | K | 9.2 | 45.5 | 17.7 | | 9.4 | 32.1 | 7.4 | | 9.2 | 26.7 | 22.7 | |
| 8.0 | 12.0 | 5.3 | K | 9.3 | 52.8 | 49.9 | | 9.0 | 12 1.9 | 26.9 | | 9.5 | 23 4.8 | 49.8 | | 9.5 | 29.2 | 10.2 | |
| 9.5 | 19.9 | 3.1 | | 8.8 | 4 1.6 | 45.5 | K | 9.5 | 27.8 | 26.0 | | 9.5 | 44.8 | 25.6 | | 8.9 | 41.5 | 42.3 | |
| 9.5 | 26.9 | 2.6 | | 8.3 | 16.4 | 39.8 | K | 9.2 | 34.3 | 12.9 | | 9.5 | 51.2 | 36.2 | | 9.2 | 33 3.0 | 54.0 | |
| 9.5 | 34.8 | 13.2 | | 9.0 | 51.8 | 1.7 | B | 9.2 | 52.8 | 2.6 | B | 9.5 | 24 8.4 | 46.4 | | 9.5 | 4.9 | 2.4 | |
| 9.3 | 37.0 | 53.5 | | 8.0 | 54.5 | 19.5 | B | 9.3 | 55.5 | 36.9 | | 9.5 | 18.2 | 34.0 | | 9.4 | 12.6 | 45.4 | |
| 9.5 | 45.4 | 27.3 | | 9.5 | 55.3 | 5.1 | | 9.4 | 13 12.1 | 56.2 | | 9.4 | 21.2 | 36.2 | | 9.3 | 19.7 | 22.7 | |
| 9.1 | 56 11.1 | 7.3 | | 9.5 | 56.8 | 2.1 | | 9.5 | 12.3 | 3.6 | | 9.5 | 24.4 | 0.8 | | 9.3 | 31.9 | 3.7 | |
| 9.2 | 22.2 | 10.0 | | 9.5 | 5 2.6 | 57.5 | | 9.4 | 23.6 | 44.8 | | 8.5 | 43.7 | 47.6 | | 9.0 | 50.2 | 10.1 | |
| 9.5 | 26.2 | 10.2 | | 8.4 | 6.5 | 37.5 | | 9.0 | 25.5 | 33.0 | | 9.4 | 46.6 | 59.4 | | 9.5 | 56.5 | 18.2 | |
| 9.5 | 35.0 | 58.8 | | 9.2 | 16.0 | 54.7 | | 9.5 | 26.7 | 9.8 | | 7.3 | 54.6 | 20.1 | K | 8.6 | 59.3 | 12.5 | K |
| 9.5 | 35.5 | 50.8 | | 9.5 | 22.6 | 45.1 | | 6.2 | 35.4 | 37.6 | B | 9.4 | 25 8.9 | 3.1 | | 9.5 | 34 11.0 | 32.8 | |
| 9.2 | 36.5 | 18.6 | | 9.5 | 27.0 | 17.2 | | 9.4 | 53.2 | 10.7 | | 9.2 | 16.8 | 49.5 | | 9.4 | 14.7 | 22.4 | |
| 7.7 | 42.0 | 5.4 | S | 9.1 | 27.6 | 44.9 | | 9.5 | 14 4.4 | 39.1 | | 9.4 | 34.3 | 36.7 | | 9.5 | 21.9 | 47.0 | |
| 9.1 | 58.2 | 34.0 | | 9.1 | 34.0 | 29.6 | | 9.1 | 6.1 | 31.7 | | 9.5 | 38.0 | 6.1 | | 9.3 | 33.2 | 42.0 | |
| 9.3 | 57 3.0 | 28.5 | | 9.5 | 41.8 | 0.6 | | 9.5 | 51.9 | 16.2 | | 9.5 | 43.3 | 1.7 | | 9.5 | 58.6 | 8.1 | |
| 8.7 | 15.6 | 19.1 | | 9.5 | 51.9 | 58.6 | | 9.5 | 56.3 | 56.7 | | 9.4 | 43.6 | 39.6 | B | 9.1 | 35 23.9 | 6.5 | |
| 9.3 | 18.9 | 27.5 | | 8.5 | 53.6 | 32.4 | | 9.5 | 57.7 | 23.9 | | 8.5 | 53.6 | 45.3 | R | 9.5 | 40.0 | 0.3 | |
| 9.2 | 21.1 | 7.0 | | 9.5 | 6 0.2 | 1.4 | | 9.1 | 15 21.5 | 52.8 | | 9.2 | 26 12.0 | 55.2 | | 8.9 | 36 20.0 | 58.8 | |
| 7.5 | 38.2 | 34.7 | K | 9.3 | 8.9 | 51.4 | | 8.8 | 32.2 | 56.1 | K | 9.5 | 20.9 | 3.1 | | 9.1 | 29.0 | 12.2 | |
| 9.4 | 49.8 | 49.8 | | 9.5 | 21.4 | 59.6 | | 9.5 | 46.6 | 20.0 | | 9.0 | 31.1 | 9.0 | | 9.3 | 38.0 | 24.6 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10 pr. | 23.25 | 2.29 | | 10 pr. | 23.54 | 2.39 | | 10 pr. | 23.80 | 2.47 | | 10 pr. | 24.12 | 2.56 | | 10 pr. | 24.52 | 2.66 | |

| 4183ᵃ | | | |
|---|---|---|---|
| 9.5 | 1 | 47.8 | 8.7 |

| 4284ᵃ | | | | |
|---|---|---|---|---|
| 9.5 | 16 | 45.9 | 1.8 | a |

| 4315ᵃ | | | |
|---|---|---|---|
| 9.5 | 21 | 20.8 | 1.9 |

| 4401—4460 | | | | | 4461—4520 | | | | | 4521—4580 | | | | | 4581—4640 | | | | | 4641—4700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ʰ | | +37° | | | 21ʰ—22ʰ | | +37° | | | 22ʰ | | +37° | | | 22ʰ | | +37° | | | 22ʰ | | +37° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.8 | 36 | 42.2 | 45.5 | | 9.1 | 52 | 10.8 | 7.7 | | 8.5 | 8 | 31.4 | 46.3 | K | 9.3 | 20 | 57.8 | 22.1 | | 9.5 | 30 | 47.5 | 2.8 | |
| 9.4 | | 47.9 | 4.2 | | 8.5 | | 45.0 | 13.9 | K | 9.3 | 9 | 8.2 | 30.7 | | 9.2 | 21 | 8.1 | 8.5 | B | 9.3 | | 48.8 | 5.8 | |
| *9.5 | | 52.5 | 26.4 | | 9.3 | | 54.5 | 23.6 | B | 9.0 | | 12.0 | 46.2 | K | 8.9 | | 11.5 | 9.5 | K | 9.2 | | 50.6 | 15.7 | |
| 8.0 | | 55.0 | 12.9 | K | 9.5 | | 56.0 | 57.0 | | 8.4 | | 14.2 | 0.8 | K | 9.1 | | 12.6 | 15.7 | | 9.5 | | 59.2 | 55.5 | |
| 8.2 | | 57.9 | 32.2 | K | 8.2 | 53 | 20.9 | 17.2 | K | 8.6 | | 33.8 | 10.2 | K | 7.8 | | 22.3 | 5.1 | K | 9.5 | 31 | 30.9 | 26.1 | |
| 9.3 | 37 | 0.3 | 35.2 | B | 9.3 | | 34.5 | 25.8 | | 4.8 | | 39.9 | 1.3 | Kb | 9.5 | | 39.2 | 17.3 | | 8.9 | | 51.5 | 24.0 | |
| var | | 17.9 | 21.2 | K | 9.3 | 54 | 18.7 | 32.9 | B | 9.5 | | 43.3 | 31.0 | | 9.5 | 22 | 3.6 | 27.2 | | 9.2 | | 54.3 | 44.9 | |
| 6.0 | | 26.9 | 37.5 | K | 9.5 | | 59.4 | 21.6 | | 9.5 | | 56.9 | 38.9 | | 9.5 | | 37.7 | 20.4 | | 8.8 | 32 | 23.5 | 52.3 | |
| 9.3 | | 28.3 | 28.3 | B | 8.7 | 55 | 6.3 | 51.8 | | 9.5 | | 59.8 | 51.0 | | 9.5 | | 40.3 | 45.6 | | 9.5 | | 36.1 | 32.4 | |
| 7.2 | | 36.9 | 39.2 | K | 8.9 | | 17.8 | 8.4 | | 9.3 | 10 | 4.9 | 38.3 | | 9.4 | 23 | 7.3 | 55.9 | | 9.0 | | 41.9 | 48.2 | |
| 9.5 | | 45.8 | 53.2 | | 8.5 | | 49.4 | 3.9 | K | 9.1 | | 11.6 | 14.0 | K | 8.6 | | 9.5 | 12.9 | K | 6.9 | 33 | 2.1 | 59.5 | K |
| 9.5 | | 54.2 | 53.3 | | 9.5 | | 55.4 | 41.7 | | 9.4 | | 34.7 | 31.5 | | 9.5 | | 15.6 | 47.2 | | 9.3 | | 10.4 | 11.6 | |
| 9.5 | 38 | 7.4 | 46.6 | | 8.8 | 56 | 9.0 | 20.0 | | 9.4 | | 45.3 | 46.4 | | 9.5 | | 36.4 | 58.6 | | 9.3 | | 11.5 | 17.3 | |
| 9.5 | | 17.1 | 6.0 | | 8.7 | | 32.4 | 26.7 | K | 9.4 | 11 | 29.3 | 27.9 | B | 8.0 | | 50.5 | 56.4 | K | 9.0 | | 17.2 | 23.0 | |
| 9.5 | | 51.3 | 5.3 | | 8.3 | 57 | 10.2 | 1.1 | K | 8.3 | | 38.5 | 53.7 | K | 9.2 | 24 | 2.8 | 1.8 | | 8.8 | | 30.6 | 45.7 | |
| 9.1 | 39 | 6.5 | 46.5 | B | 9.5 | | 28.7 | 57.5 | | 9.1 | 12 | 10.6 | 9.1 | | 9.2 | | 6.7 | 4.5 | | 8.7 | | 32.0 | 52.6 | |
| 9.4 | | 8.4 | 44.0 | | 9.4 | | 37.3 | 28.3 | | 6.5 | | 35.4 | 2.1 | K | 9.5 | | 47.1 | 54.6 | | 9.4 | | 42.1 | 13.8 | |
| 8.5 | | 18.2 | 40.3 | K | 9.2 | | 48.8 | 58.7 | b | 9.5 | | 58.3 | 48.7 | | 9.1 | | 49.2 | 17.1 | B | 8.8 | | 45.9 | 10.9 | |
| 9.5 | 40 | 29.5 | 46.5 | | 9.5 | 58 | 2.0 | 23.8 | | 9.5 | 13 | 40.6 | 23.4 | | 9.2 | | 50.5 | 34.8 | | 9.1 | | 56.5 | 57.6 | |
| 9.5 | | 33.8 | 34.6 | B | 9.3 | | 12.0 | 55.3 | | 9.5 | 14 | 0.4 | 15.1 | | 9.1 | | 51.2 | 22.1 | b | 9.0 | 34 | 23.8 | 50.2 | |
| 9.3 | | 58.0 | 18.7 | a | 9.5 | | 16.0 | 48.2 | | 9.5 | | 26.1 | 19.6 | | 9.3 | 25 | 19.8 | 13.7 | | 9.5 | | 26.5 | 27.0 | |
| 9.2 | 41 | 0.1 | 19.7 | B | 9.4 | | 41.0 | 18.3 | | 9.4 | | 26.9 | 45.3 | | 9.3 | | 37.2 | 13.4 | | 9.5 | | 28.4 | 34.0 | B |
| 8.7 | | 5.0 | 39.6 | | 9.5 | | 44.2 | 49.4 | | 9.2 | | 30.4 | 59.8 | | 9.5 | | 59.3 | 25.0 | | 8.4 | | 29.0 | 55.3 | L |
| 9.5 | | 46.5 | 41.2 | | 9.5 | 59 | 11.9 | 50.6 | | 9.3 | | 33.1 | 53.5 | | 8.9 | 26 | 4.7 | 6.7 | | 9.5 | | 35.8 | 8.4 | |
| 8.5 | | 48.9 | 31.9 | | 9.5 | | 29.5 | 34.3 | | 9.3 | | 34.0 | 28.7 | | 9.2 | | 12.4 | 34.4 | | 9.5 | | 50.5 | 48.4 | |
| 9.0 | 42 | 18.0 | 11.0 | | 9.5 | | 29.5 | 20.0 | | 9.1 | | 47.8 | 51.2 | K | 9.5 | | 15.3 | 10.3 | | 9.5 | | 53.7 | 35.3 | |
| 6.3 | | 29.3 | 58.6 | L | 8.3 | | 52.0 | 40.8 | | 9.5 | 15 | 5.4 | 5.4 | | 9.5 | | 21.1 | 58.8 | | 9.1 | 35 | 31.4 | 47.4 | |
| 8.3 | | 48.0 | 18.8 | K | 8.8 | 0 | 53.3 | 23.8 | | 9.5 | | 21.8 | 41.0 | | 9.5 | | 30.5 | 27.4 | | 9.5 | | 41.5 | 52.8 | |
| 9.2 | | 54.9 | 57.0 | | 7.8 | | 54.5 | 10.3 | Kb | 8.7 | | 55.7 | 38.4 | | 9.5 | | 31.4 | 8.9 | | 8.8 | 36 | 16.9 | 5.8 | K |
| 8.5 | 43 | 2.4 | 25.3 | | 9.3 | 1 | 8.3 | 59.9 | | 9.2 | 16 | 7.4 | 10.7 | | 9.5 | | 49.1 | 34.2 | | 6.5 | | 21.6 | 2.6 | K |
| 8.8 | | 7.9 | 10.1 | | 9.4 | | 11.2 | 58.7 | | 9.5 | | 12.0 | 19.1 | | 7.5 | | 53.5 | 22.6 | K | 9.5 | | 27.2 | 18.4 | |
| 9.0 | | 16.5 | 35.8 | | 9.5 | 2 | 0.0 | 24.3 | | 9.4 | | 33.5 | 38.4 | | 9.4 | 27 | 7.5 | 34.7 | | 9.5 | | 29.3 | 40.5 | |
| 8.1 | | 17.0 | 41.8 | K | 9.5 | | 30.6 | 31.4 | | 9.2 | | 37.9 | 52.2 | | 9.3 | | 13.3 | 30.2 | | 9.2 | | 37.5 | 30.9 | |
| 8.5 | | 24.0 | 46.5 | K | 9.4 | | 32.3 | 21.3 | B | 8.9 | | 43.1 | 18.4 | K | 9.3 | | 22.1 | 41.0 | | 9.5 | | 41.6 | 43.5 | |
| 8.6 | | 27.7 | 22.6 | | 9.1 | | 35.5 | 45.7 | | 8.8 | | 49.2 | 54.9 | K | 9.4 | | 32.7 | 53.9 | | 9.1 | | 57.7 | 27.7 | |
| 9.5 | | 32.1 | 37.2 | | 9.4 | 3 | 1.0 | 31.1 | | 9.5 | | 51.5 | 57.6 | | 8.6 | | 39.4 | 37.6 | K | 9.4 | 37 | 15.2 | 12.5 | B |
| 9.5 | | 43.5 | 20.3 | | 9.5 | | 18.4 | 31.8 | | 9.5 | 17 | 5.6 | 34.9 | | 9.1 | | 46.3 | 13.1 | | 9.5 | | 30.4 | 7.8 | |
| 8.3 | | 53.4 | 5.2 | L | *9.1 | | 36.7 | 48.2 | B | 9.5 | | 21.5 | 3.3 | | 9.2 | 28 | 2.9 | 39.2 | B | 9.5 | | 48.9 | 56.0 | |
| 9.5 | 44 | 16.0 | 10.6 | | 8.8 | | 42.5 | 47.9 | B | 8.8 | | 22.7 | 34.9 | | 9.4 | | 16.6 | 4.5 | | 9.5 | 38 | 4.5 | 35.2 | |
| 9.5 | | 23.3 | 58.0 | | 8.3 | | 47.0 | 36.3 | K | 6.8 | | 29.4 | 50.0 | K | 9.5 | | 17.8 | 17.2 | | 9.5 | | 18.0 | 59.3 | |
| 8.0 | 45 | 55.4 | 45.6 | B | 9.5 | 4 | 9.1 | 45.0 | | 9.5 | | 32.9 | 3.3 | | 9.3 | | 28.0 | 8.7 | B | 8.3 | | 28.5 | 55.0 | B |
| 9.3 | 46 | 5.8 | 51.0 | | 9.2 | | 17.2 | 4.2 | | 8.8 | | 50.1 | 30.5 | | 9.4 | | 29.3 | 7.7 | | 9.4 | | 55.9 | 59.5 | |
| 9.0 | | 9.5 | 44.5 | B | 9.1 | | 41.3 | 55.2 | | 9.5 | 18 | 3.6 | 51.7 | | 8.3 | | 34.9 | 10.6 | K | 9.5 | 39 | 4.3 | 24.2 | |
| 8.5 | | 54.9 | 40.0 | K | 9.4 | | 41.8 | 6.2 | | 9.5 | | 6.3 | 34.9 | | 9.5 | | 54.4 | 43.0 | | 9.5 | | 6.4 | 3.6 | |
| 9.5 | 47 | 25.8 | 26.8 | | 9.3 | | 46.5 | 39.4 | | 9.5 | | 23.8 | 39.0 | | 9.1 | 29 | 1.0 | 26.8 | B | 9.5 | | 24.8 | 24.4 | |
| 9.5 | | 29.2 | 57.7 | | 7.3 | 5 | 32.4 | 42.5 | K | 9.2 | 19 | 6.4 | 39.9 | | 9.5 | | 11.3 | 45.7 | | 7.8 | | 32.5 | 44.4 | K |
| *9.3 | | 31.7 | 15.7 | | 7.5 | | 46.8 | 10.3 | B | 8.6 | | 7.5 | 10.0 | K | 9.4 | | 23.5 | 7.4 | | 8.4 | | 52.5 | 37.2 | K |
| *9.3 | | 55.5 | 34.0 | | 9.5 | | 58.2 | 12.0 | | 9.4 | | 10.8 | 28.0 | | 9.1 | | 32.4 | 37.5 | | 8.0 | | 56.6 | 39.3 | K |
| 9.3 | 48 | 17.0 | 18.1 | | 9.5 | 6 | 11.0 | 50.5 | | 9.5 | | 20.1 | 17.7 | | 9.2 | | 37.9 | 5.3 | B | 9.5 | 40 | 8.2 | 55.7 | B |
| 9.5 | | 35.0 | 41.9 | | 9.0 | | 21.5 | 52.5 | | 8.6 | | 20.7 | 42.6 | K | 9.3 | | 50.9 | 55.6 | | 9.5 | | 26.5 | 14.5 | |
| 9.0 | | 36.4 | 32.3 | | 9.0 | | 25.7 | 50.1 | | 9.5 | | 49.5 | 7.5 | | 6.9 | | 51.5 | 5.3 | K | 9.1 | | 40.0 | 28.3 | |
| 9.2 | | 41.7 | 45.4 | B | 9.0 | | 28.0 | 20.3 | K | 9.5 | | 54.3 | 21.2 | | 9.2 | | 52.2 | 20.6 | | 9.4 | 41 | 48.6 | 4.5 | |
| 9.5 | | 42.4 | 43.9 | | 8.5 | | 50.6 | 44.3 | K | 9.1 | 20 | 9.1 | 53.0 | B | 8.5 | | 52.3 | 1.8 | K | 8.2 | | 53.3 | 17.2 | K |
| 9.5 | 50 | 27.1 | 1.3 | | 9.5 | | 56.1 | 2.5 | | 9.5 | | 15.4 | 57.3 | | 9.3 | | 58.1 | 6.3 | | 9.3 | | 57.7 | 2.0 | |
| 9.5 | | 32.0 | 4.4 | | 9.5 | 7 | 35.9 | 33.9 | | 8.3 | | 17.1 | 53.2 | B | 9.5 | | 59.8 | 15.8 | | 8.5 | 42 | 0.2 | 32.4 | |
| 9.5 | | 41.8 | 4.8 | B | 9.5 | | 50.4 | 55.4 | | 9.2 | | 24.5 | 34.9 | | 9.1 | 30 | 4.3 | 4.4 | | 8.5 | | 3.2 | 20.9 | K |
| 9.0 | | 56.7 | 13.6 | K | 9.5 | | 52.3 | 44.2 | | 9.2 | | 30.2 | 41.1 | | 8.8 | | 4.7 | 25.1 | | 9.1 | | 7.6 | 14.4 | K |
| 8.9 | 51 | 3.5 | 38.5 | | 8.4 | | 56.4 | 1.3 | K | 8.7 | | 31.8 | 59.3 | B | 9.5 | | 21.2 | 52.3 | | 9.1 | | 12.1 | 52.1 | |
| 9.5 | | 16.1 | 52.8 | | 9.4 | 8 | 15.0 | 46.0 | | 9.5 | | 37.0 | 53.0 | | 9.5 | | 41.4 | 27.9 | | 8.0 | | 12.9 | 45.5 | K |
| 9.3 | 52 | 2.5 | 43.6 | | 8.7 | | 17.4 | 41.1 | K | 9.4 | | 56.2 | 37.4 | | 9.1 | | 44.0 | 32.7 | | 9.5 | | 33.3 | 46.9 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *24.95* | *2.76* | | *10 pr.* | | *25.64* | *2.90* | | *10 pr.* | | *26.23* | *3.00* | | *10 pr.* | | *26.66* | *3.07* | | *10 pr.* | | *27.06* | *3.12* | |

| | | | |
|---|---|---|---|
| *4402 a* | | | |
| *9.5* | *36* | *47.9* | *6.6* |
| *4447 a* | | | |
| *9.5* | *47* | *34.4* | *55.7* |

| | | | |
|---|---|---|---|
| *4497 a* | | | |
| *9.5* | *3* | *30.0* | *35.0* |

| | 4701—4748 | | | | 4749—4796 | | | | 4797—4844 | | | | 4845—4892 | | | | 4893—4937 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵐ | | +37° | | | 22ᵐ—23ᵐ | | +37° | | 23ᵐ | | +37° | | 23ᵐ | | +37° | | 23ᵐ | | +37° | |
| m | | | | | m | | | | m | | | | m | | | | m | | | | |
| 9.3 | 42 | 33.8 | 13.7 | | 9.5 | 55 | 40.7 | 0.1 | 8.5 | 8 | 34.7 | 30.3 | 9.5 | 20 | 22.1 | 35.7 | 9.2 | 43 | 37.4 | 54.1 | |
| 9.3 | | 41.5 | 38.3 | | 9.5 | | 57.2 | 11.2 | 9.2 | | 58.0 | 58.5 | 8.3 | | 36.2 | 26.7 | K | 9.2 | | 51.3 | 56.6 | |
| 9.5 | 43 | 23.0 | 25.2 | | 9.2 | 56 | 4.6 | 7.3 | K | 9.5 | 9 | 21.0 | 21.8 | 8.5 | 21 | 17.5 | 58.0 | K | 9.4 | | 53.0 | 21.5 | |
| 9.5 | 44 | 11.4 | 23.8 | B | 7.5 | | 32.7 | 31.2 | B | 9.3 | | 24.9 | 5.0 | 9.5 | | 44.0 | 27.5 | | 8.9 | | 54.1 | 50.8 | |
| 9.5 | | 14.2 | 0.8 | | 9.5 | | 53.4 | 23.6 | | 7.6 | 10 | 0.7 | 10.1 | K | 9.4 | 22 | 3.2 | 31.9 | | 9.3 | | 58.1 | 31.5 | B |
| 8.9 | | 34.7 | 34.8 | | 8.9 | | 56.7 | 3.3 | K | 9.4 | | 15.4 | 17.8 | | 8.7 | | 12.4 | 26.4 | K | 6.7 | 44 | 36.8 | 5.0 | 8 |
| 9.4 | | 41.5 | 56.6 | | 9.3 | 57 | 1.9 | 32.0 | | 9.4 | | 30.9 | 25.0 | | 8.7 | | 14.1 | 19.9 | K | 8.7 | | 49.4 | 1.5 | L |
| 9.5 | | 50.6 | 9.6 | | 9.3 | | 8.1 | 55.8 | | 9.5 | | 46.6 | 44.3 | | 7.9 | | 34.0 | 50.2 | L | 9.5 | 45 | 18.1 | 22.6 | |
| 9.4 | | 53.1 | 58.4 | | 9.5 | | 15.4 | 7.3 | | 9.5 | | 56.8 | 49.5 | | 9.5 | | 51.1 | 33.2 | | 8.3 | | 31.3 | 53.0 | K |
| 8.7 | | 57.4 | 55.0 | K | 8.9 | | 20.1 | 51.1 | K | 9.5 | 11 | 1.4 | 5.5 | | 9.3 | 23 | 7.0 | 36.4 | K | 8.8 | 47 | 12.2 | 59.9 | B |
| 8.6 | 45 | 10.0 | 17.2 | | 9.1 | | 30.8 | 30.9 | B | 9.2 | | 11.7 | 58.1 | Kb | 9.1 | | 21.0 | 34.7 | K | 8.0 | | 43.4 | 15.7 | K |
| 9.3 | | 13.3 | 57.2 | K | 9.0 | | 39.8 | 35.9 | K | 9.5 | | 23.5 | 11.4 | | 6.5 | | 35.0 | 51.1 | K | 9.4 | 48 | 12.3 | 22.3 | |
| 8.2 | | 37.5 | 59.1 | K | 9.3 | | 58.6 | 18.3 | | 8.7 | | 24.6 | 8.7 | K | 9.4 | | 41.5 | 26.4 | | 8.8 | | 21.1 | 40.1 | |
| 6.8 | 46 | 15.1 | 51.0 | K | 9.4 | 58 | 37.8 | 8.6 | | 9.5 | | 41.9 | 22.3 | | 9.5 | 24 | 24.8 | 56.7 | | 9.5 | 49 | 9.5 | 52.9 | |
| 8.7 | | 31.2 | 0.4 | | 9.2 | | 46.4 | 55.1 | | 9.5 | | 51.3 | 28.0 | | 9.5 | | 27.6 | 44.6 | | 9.4 | | 44.1 | 26.7 | |
| 8.0 | | 50.9 | 40.8 | K | 9.5 | 59 | 7.1 | 24.1 | | 9.5 | | 56.6 | 15.9 | | 9.3 | | 41.8 | 4.3 | | 8.7 | | 51.1 | 1.4 | K |
| 8.6 | | 59.2 | 9.0 | Kb | 7.7 | | 37.6 | 47.2 | B | 9.5 | 12 | 55.0 | 29.7 | | 7.5 | | 54.1 | 30.2 | L | 9.4 | 50 | 33.7 | 12.0 | |
| 9.5 | 47 | 19.9 | 40.1 | | 9.1 | | 46.7 | 47.6 | | 9.5 | 13 | 4.5 | 58.3 | | 8.3 | 26 | 7.9 | 52.3 | K | 9.5 | 51 | 45.4 | 14.8 | |
| 9.0 | | 23.1 | 26.5 | K | 9.3 | | 50.5 | 56.0 | | 9.5 | | 7.1 | 24.8 | | 9.5 | 27 | 2.0 | 49.5 | | 9.0 | 52 | 3.1 | 39.6 | |
| 9.4 | 48 | 7.4 | 24.0 | | 7.7 | 0 | 5.2 | 14.0 | B | 8.8 | | 45.2 | 22.6 | | 9.5 | | 16.8 | 13.3 | | 6.4 | | 49.5 | 29.8 | B |
| 9.3 | | 37.3 | 49.0 | | 7.5 | | 6.2 | 27.2 | K | 6.0 | | 54.5 | 23.1 | Lb | 9.4 | | 27.9 | 57.8 | | 9.5 | | 51.3 | 11.0 | |
| 9.2 | | 53.1 | 6.4 | | 9.3 | | 13.8 | 9.4 | B | 9.5 | 14 | 2.7 | 30.0 | | 6.2 | | 40.2 | 13.7 | K | 9.1 | 53 | 11.3 | 3.3 | |
| 8.6 | 49 | 1.9 | 59.6 | | 9.5 | | 52.9 | 57.8 | | 9.1 | | 17.6 | 3.8 | | 9.5 | 28 | 32.1 | 50.1 | | 9.1 | | 20.1 | 40.3 | |
| 9.2 | | 18.2 | 45.4 | | 9.5 | 2 | 20.1 | 20.2 | | 7.3 | | 20.5 | 47.9 | K | 9.5 | | 40.0 | 3.6 | | 9.1 | | 24.1 | 43.1 | K |
| 9.1 | | 20.6 | 57.9 | | 9.5 | | 25.8 | 38.2 | | 9.5 | | 28.5 | 58.6 | | 9.5 | 29 | 6.4 | 52.9 | | 9.1 | | 27.8 | 1.0 | |
| 9.3 | | 23.5 | 10.7 | B | 9.5 | 3 | 15.2 | 34.9 | | 9.4 | | 49.4 | 45.6 | | 9.3 | | 48.5 | 54.1 | | 9.4 | | 51.7 | 25.4 | |
| 9.5 | | 30.2 | 9.2 | | 9.2 | | 23.7 | 34.9 | | 9.3 | | 57.2 | 53.3 | | 9.1 | | 49.1 | 7.6 | K | 8.9 | | 52.8 | 5.3 | K |
| 9.3 | | 44.0 | 59.1 | | 9.2 | | 30.6 | 25.3 | | 9.4 | 15 | 6.8 | 41.9 | | 8.5 | | 55.0 | 55.8 | Kb | 9.2 | 54 | 7.8 | 4.8 | K |
| 9.4 | | 47.1 | 38.6 | | 9.1 | | 34.8 | 9.0 | K | 9.5 | | 11.5 | 46.1 | | 9.0 | 30 | 6.4 | 31.6 | K | 9.5 | | 47.1 | 12.5 | |
| 9.3 | 50 | 14.3 | 53.8 | | 9.4 | | 56.3 | 48.5 | | 9.2 | | 12.1 | 54.0 | | 9.5 | | 22.5 | 50.8 | | 9.2 | | 51.3 | 40.0 | |
| 9.5 | | 32.0 | 45.2 | | 9.5 | 4 | 9.0 | 29.8 | | 9.4 | | 39.4 | 55.5 | | 9.4 | | 49.3 | 23.7 | | 9.5 | 55 | 0.5 | 56.6 | |
| 9.5 | | 48.8 | 5.2 | | 9.5 | | 20.4 | 34.4 | | 9.5 | | 51.5 | 38.0 | | 9.3 | 31 | 0.1 | 59.5 | B | 9.5 | | 8.7 | 39.4 | |
| 9.2 | 51 | 3.3 | 15.0 | K | 9.5 | | 21.6 | 27.5 | | 9.4 | | 59.5 | 57.2 | | 9.0 | 32 | 45.1 | 16.5 | | 9.0 | | 18.3 | 1.0 | K |
| 8.7 | | 3.3 | 52.5 | | 8.3 | | 26.5 | 6.3 | K | 9.5 | 16 | 45.6 | 41.8 | | 9.4 | 33 | 45.4 | 39.8 | | 8.8 | | 50.1 | 27.0 | K |
| 9.3 | | 33.9 | 40.1 | B | 9.3 | | 29.6 | 26.2 | | 9.5 | | 48.2 | 59.1 | | 9.2 | 34 | 10.6 | 42.7 | | 8.8 | | 54.6 | 25.3 | K |
| 8.5 | 52 | 3.1 | 21.7 | K | 9.4 | | 33.1 | 27.0 | | 8.9 | 17 | 7.1 | 17.1 | | 9.1 | | 21.7 | 27.2 | K | 9.3 | 56 | 17.4 | 3.9 | B |
| 8.9 | | 5.7 | 52.9 | | 7.5 | | 34.6 | 25.8 | K | 9.4 | | 12.5 | 5.3 | | 8.6 | 35 | 10.0 | 8.3 | Lb | 9.5 | | 18.6 | 5.9 | |
| 9.4 | | 39.8 | 37.2 | | 9.5 | 5 | 3.6 | 33.7 | | 9.4 | | 43.6 | 1.1 | | 8.2 | 36 | 33.4 | 6.6 | B | 9.1 | 57 | 20.7 | 21.7 | K |
| 9.0 | | 43.1 | 1.1 | K | 8.7 | | 22.1 | 59.6 | K | 9.3 | 18 | 9.0 | 59.3 | | 9.5 | | 43.4 | 57.8 | B | 8.3 | | 24.6 | 57.6 | L |
| 8.9 | | 51.1 | 39.9 | B | 9.3 | | 50.6 | 3.5 | | 9.3 | | 44.6 | 47.9 | | 9.0 | | 53.3 | 1.3 | K | 9.1 | | 35.0 | 7.3 | Kb |
| 8.6 | 53 | 10.2 | 50.8 | | 9.5 | 6 | 13.5 | 54.4 | | 9.3 | 19 | 2.3 | 38.2 | | 8.7 | 37 | 2.1 | 18.5 | L | 9.0 | | 51.8 | 55.0 | |
| 8.3 | | 25.1 | 36.4 | K | 9.3 | 7 | 0.7 | 14.6 | | 9.5 | | 19.0 | 45.1 | | 9.5 | | 40.3 | 33.3 | | 9.0 | | 57.1 | 56.4 | K |
| 8.9 | | 30.1 | 28.9 | B | 9.5 | | 13.7 | 49.6 | | 9.5 | | 32.5 | 4.5 | | 9.2 | 38 | 18.6 | 51.8 | | 9.4 | 59 | 13.2 | 14.2 | |
| 6.7 | 54 | 11.9 | 56.1 | K | 9.5 | | 22.9 | 39.5 | | 9.5 | | 53.7 | 32.2 | | 9.5 | | 49.0 | 57.0 | | 8.0 | | 21.3 | 49.1 | K |
| 9.5 | | 28.5 | 4.5 | | 9.5 | | 34.3 | 17.8 | | 9.5 | | 56.6 | 50.5 | | 9.3 | 39 | 15.1 | 44.9 | K | 8.8 | | 27.6 | 24.3 | |
| 9.5 | | 44.1 | 8.8 | | 9.4 | | 42.1 | 2.8 | | 8.6 | 20 | 1.5 | 11.0 | K | 8.8 | 40 | 25.9 | 24.3 | K | | | + | + | |
| 9.5 | 55 | 10.9 | 31.3 | | 9.4 | | 44.4 | 34.7 | K | 8.1 | | 6.4 | 13.5 | K | 9.5 | 41 | 28.2 | 50.1 | | 10pr. | | 30.42 | 3.34 | |
| 8.9 | | 18.8 | 10.3 | | 9.5 | 8 | 27.6 | 42.1 | | 9.1 | | 10.7 | 9.5 | | 9.3 | 42 | 0.2 | 42.6 | K | | | | | |
| | | + | + | | | | + | + | | | | + | + | | | | + | | | | | | |
| 10pr. | | 27.60 | 3.19 | | 10pr. | | 28.17 | 3.24 | | 10pr. | | 28.69 | 3.27 | | 10pr. | | 29.33 | 3.31 | | | | | | |

# Zone +38°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0h | | +38° | | 0h | | +38° | | 0h | | +38° | | 0h | | +38° | | 0h—1h | | +38° | |
| m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | m | ′ | ″ | ′ | |
| 9.5 | 0 | 8.4 | 53.1 | 9.3 | 16 | 56.3 | 53.4 | 9.4 | 31 | 14.7 | 54.9 | B | 9.5 | 43 | 3.2 | 47.0 | | 9.0 | 51 | 30.7 | 32.7 | |
| 7.5 | | 14.2 | 15.1 | K | 8.5 | 17 | 25.7 | 21.4 | L | 9.4 | | 31.3 | 54.6 | B | 9.0 | | 20.8 | 22.7 | | 8.2 | | 32.6 | 53.4 | K |
| 9.4 | 1 | 7.6 | 32.0 | | 8.5 | | 27.6 | 16.1 | L | 9.5 | | 33.3 | 49.3 | | 9.5 | | 29.7 | 7.5 | | 9.5 | 52 | 20.4 | 58.9 | |
| 9.0 | | 24.3 | 17.5 | K | 9.5 | | 33.3 | 34.4 | | 9.5 | 32 | 11.8 | 3.8 | | 8.9 | | 39.7 | 38.6 | | 9.5 | | 32.5 | 59.2 | |
| 9.5 | 2 | 14.2 | 2.5 | | 9.3 | | 37.9 | 31.9 | B | 8.3 | | 17.2 | 37.6 | L | 9.3 | 44 | 24.2 | 42.0 | | 9.5 | | 47.5 | 2.5 | B |
| 8.6 | | 38.3 | 51.4 | K | 8.3 | 18 | 8.8 | 3.4 | K | 9.5 | | 33.9 | 58.4 | | 9.5 | | 34.4 | 3.9 | | 9.1 | 53 | 4.8 | 30.2 | |
| 9.5 | | 55.5 | 34.4 | | 9.0 | | 9.4 | 38.4 | | 9.2 | | 39.3 | 34.9 | B | 9.2 | | 42.7 | 44.5 | K | 9.1 | | 22.3 | 49.0 | |
| 8.6 | 3 | 24.1 | 57.5 | K | 9.3 | | 38.3 | 8.5 | K | 8.0 | | 42.2 | 43.5 | L | 9.1 | | 52.1 | 6.7 | | 9.4 | | 23.7 | 27.6 | |
| 8.9 | | 29.2 | 28.6 | R | 9.5 | 19 | 1.8 | 28.6 | | 9.5 | | 55.9 | 59.8 | | 7.8 | 45 | 1.2 | 14.1 | K | 8.7 | | 24.1 | 50.7 | L |
| 9.5 | | 54.6 | 40.7 | | 9.5 | | 4.5 | 36.6 | | 5.5 | 33 | 17.1 | 39.0 | Gb | 8.9 | | 2.2 | 23.7 | | 8.9 | | 28.2 | 2.4 | |
| 9.5 | | 56.2 | 35.1 | | 9.3 | | 44.7 | 56.1 | B | 8.0 | | 21.4 | 47.9 | L | 8.1 | | 4.9 | 22.2 | B | 9.3 | | 51.9 | 39.5 | B |
| 8.2 | 4 | 36.0 | 14.7 | K | 9.0 | 20 | 12.2 | 45.2 | | 9.2 | | 23.3 | 42.8 | | 9.3 | | 20.6 | 30.6 | B | 9.2 | 54 | 0.6 | 0.2 | B |
| 9.3 | | 56.6 | 47.3 | | 9.0 | | 17.5 | 8.0 | Kb | 9.4 | | 28.8 | 31.9 | B | 9.3 | | 28.9 | 59.7 | | 9.5 | | 1.9 | 33.0 | |
| 8.3 | 5 | 7.8 | 29.3 | K | 8.4 | | 55.7 | 17.9 | K | 7.6 | 34 | 0.6 | 5.9 | K | 8.5 | | 35.3 | 54.1 | K | 8.5 | | 22.1 | 50.7 | B |
| 9.2 | | 12.0 | 35.9 | Kb | 9.5 | 21 | 6.2 | 2.4 | | 8.5 | | 3.8 | 14.1 | K | 9.5 | | 41.9 | 53.1 | | 9.5 | | 22.8 | 1.5 | |
| 9.0 | 6 | 24.0 | 57.9 | K | 9.4 | | 11.7 | 35.5 | | 9.4 | | 29.0 | 32.2 | | 8.0 | 46 | 19.1 | 16.1 | K | 8.0 | | 27.7 | 41.7 | K |
| 9.1 | 7 | 11.6 | 14.2 | | 9.4 | | 21.3 | 53.1 | | 9.3 | | 40.9 | 55.7 | | 9.3 | | 19.8 | 25.8 | | 9.5 | | 35.3 | 56.8 | |
| 9.5 | | 39.4 | 59.3 | | 9.0 | 22 | 32.9 | 35.8 | | 9.5 | | 55.7 | 22.8 | | 8.6 | | 35.5 | 7.2 | B | 9.5 | 55 | 30.9 | 43.3 | |
| 8.3 | 8 | 12.7 | 13.0 | K | 9.5 | | 37.7 | 2.9 | | 9.3 | 35 | 18.6 | 23.8 | | 9.0 | | 38.7 | 22.4 | K | 9.4 | | 52.9 | 14.0 | B |
| 9.5 | | 24.0 | 8.0 | | 9.5 | 23 | 9.2 | 32.4 | | 8.8 | | 25.2 | 38.7 | K | 8.2 | | 39.0 | 22.8 | K | 9.5 | | 54.2 | 15.7 | |
| 9.3 | | 28.1 | 10.9 | K | 9.2 | | 12.8 | 42.7 | | 9.5 | | 56.5 | 4.9 | | 9.5 | | 51.2 | 53.5 | | 9.5 | 56 | 7.5 | 52.0 | B |
| 9.5 | 9 | 10.1 | 22.4 | | 8.6 | | 21.0 | 40.3 | | 9.4 | | 58.3 | 56.2 | | 9.5 | 47 | 12.3 | 57.4 | | 9.5 | | 14.6 | 1.7 | |
| 8.5 | | 21.4 | 59.9 | K | 8.5 | | 37.2 | 13.3 | K | 9.5 | 36 | 49.4 | 18.9 | | 9.5 | | 19.2 | 23.7 | | 8.2 | | 34.8 | 7.4 | L |
| 9.3 | | 40.8 | 36.0 | | 7.3 | | 42.1 | 10.9 | K | 9.5 | 37 | 0.5 | 53.4 | | 9.4 | | 29.2 | 14.1 | | 8.9 | 57 | 15.0 | 28.2 | |
| 9.2 | 10 | 3.0 | 24.7 | b | 8.7 | | 48.2 | 30.6 | K | 9.2 | | 5.8 | 56.4 | Bb | 9.4 | | 43.5 | 55.5 | | 9.5 | | 20.2 | 4.0 | |
| 9.5 | | 5.6 | 57.8 | | 9.3 | 24 | 16.8 | 39.3 | | 9.3 | | 30.6 | 45.2 | | 8.6 | | 58.3 | 22.8 | K | 9.5 | | 29.1 | 46.2 | |
| 9.5 | | 56.4 | 3.0 | | 9.0 | | 23.7 | 22.0 | Kb | 9.2 | 38 | 32.4 | 2.9 | | 8.9 | 48 | 2.6 | 57.7 | K | 8.0 | | 42.4 | 35.8 | B |
| 9.2 | | 57.1 | 54.1 | | 7.0 | | 58.8 | 2.8 | K | 8.6 | | 42.9 | 49.5 | B | 6.8 | 50 | 8.2 | 41.7 | K | 9.5 | | 52.8 | 57.9 | |
| 9.5 | 11 | 42.7 | 22.1 | | 9.0 | 26 | 4.5 | 48.3 | | 9.5 | | 46.7 | 57.0 | | 9.5 | | 21.2 | 19.7 | | 9.5 | 58 | 14.3 | 53.5 | |
| 9.2 | 12 | 4.9 | 51.4 | K | 9.4 | 27 | 10.2 | 39.4 | | 9.5 | 39 | 20.0 | 7.6 | | 9.4 | | 22.0 | 12.4 | | 9.2 | | 16.2 | 38.7 | K |
| 8.2 | | 19.2 | 43.3 | K | 9.5 | | 13.3 | 4.6 | | 9.3 | | 20.9 | 31.4 | | 9.4 | | 40.0 | 34.7 | B | 9.3 | | 34.8 | 54.1 | |
| 9.3 | 13 | 11.9 | 34.1 | K | 8.4 | | 19.4 | 22.7 | S | 7.8 | | 26.2 | 14.4 | K | 9.1 | | 44.8 | 6.4 | | 9.4 | 59 | 45.0 | 15.0 | |
| 9.1 | 14 | 7.0 | 7.5 | b | 8.3 | | 35.4 | 9.3 | B | 9.5 | | 53.2 | 46.6 | | 9.5 | | 59.5 | 3.2 | | 9.5 | | 45.7 | 8.6 | |
| 9.5 | | 14.4 | 56.0 | | 9.0 | 29 | 0.9 | 29.3 | K | 9.3 | 40 | 29.4 | 36.6 | | 8.7 | 51 | 1.1 | 8.9 | | 7.9 | | 31.0 | 28.6 | B |
| 9.4 | | 16.5 | 50.5 | | 8.7 | | 1.5 | 49.3 | | 8.7 | | 37.4 | 59.8 | K | 8.0 | | 3.2 | 49.4 | K | 9.5 | 0 | 24.2 | 40.4 | |
| 9.4 | | 17.5 | 45.5 | | 9.0 | | 16.2 | 11.1 | K | 9.1 | 41 | 21.5 | 40.4 | | 9.5 | | 5.0 | 34.4 | | 9.3 | | 33.3 | 43.9 | |
| 9.2 | | 50.8 | 14.8 | | 9.5 | 30 | 0.0 | 35.1 | | 9.5 | | 32.3 | 9.3 | | 9.2 | | 9.7 | 12.0 | R | 9.3 | | 49.8 | 4.1 | |
| 9.5 | 15 | 18.7 | 0.7 | | 9.4 | | 5.7 | 51.5 | | 9.0 | | 59.6 | 27.9 | K | 9.5 | | 13.2 | 27.3 | | 9.5 | | 55.5 | 30.1 | B |
| 9.0 | | 22.2 | 19.8 | | 8.7 | | 6.7 | 33.0 | K | 9.5 | 42 | 11.0 | 1.2 | | 9.3 | | 25.3 | 43.8 | | 9.5 | 1 | 18.0 | 49.0 | |
| 9.5 | 16 | 14.2 | 38.7 | | 8.3 | | 16.5 | 53.6 | K | 8.7 | | 26.4 | 4.4 | K | 9.1 | | 26.6 | 50.2 | K | 9.5 | | 30.8 | 59.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 31.12 | 3.34 | | 10 pr. | | 31.80 | 3.32 | | 10 pr. | | 32.37 | 3.30 | | 10 pr. | | 32.87 | 3.27 | | 10 pr. | | 33.29 | 3.24 | |

201—260

| m | 1ª ′ ″ | +38° ′ | |
|---|---|---|---|
| 8.2 | 1 36.0 | 3.2 | B |
| 8.9 | 40.5 | 51.9 | |
| 9.5 | 2 1.8 | 40.4 | |
| 9.5 | 18.2 | 29.2 | |
| 9.5 | 42.7 | 19.2 | B |
| 9.5 | 3 22.9 | 56.6 | |
| 9.3 | 23.0 | 9.3 | |
| 9.2 | 29.7 | 1.2 | |
| 9.3 | 54.8 | 52.5 | |
| 9.1 | 4 3.1 | 47.5 | K |
| 9.3 | 33.3 | 57.3 | |
| 9.5 | 33.5 | 6.1 | |
| 9.4 | 47.9 | 5.0 | |
| 8.6 | 59.6 | 17.4 | K |
| 9.4 | 5 6.1 | 25.5 | |
| 9.5 | 8.7 | 18.2 | |
| 9.5 | 18.8 | 50.3 | |
| 9.4 | 18.8 | 45.5 | |
| 9.3 | 36.1 | 17.5 | K |
| 7.5 | 6 31.6 | 40.4 | L |
| 9.5 | 55.2 | 23.7 | |
| 8.5 | 7 0.8 | 3.2 | |
| 9.5 | 24.4 | 7.7 | |
| 9.1 | 8 17.4 | 18.9 | K |
| 9.2 | 25.9 | 23.6 | K |
| 9.5 | 26.2 | 36.1 | |
| 9.3 | 28.9 | 42.7 | R |
| 9.3 | 34.7 | 51.3 | |
| 6.8 | 9 2.1 | 42.5 | K |
| 9.5 | 27.4 | 27.4 | |
| 9.5 | 37.9 | 0.2 | |
| 9.2 | 10 5.5 | 9.7 | B |
| 8.1 | 6.7 | 1.5 | K |
| 9.1 | 21.5 | 9.3 | K |
| 9.4 | 43.3 | 57.8 | |
| 9.5 | 54.6 | 10.1 | |
| 8.8 | 11 5.1 | 7.7 | K |
| 9.5 | 20.5 | 59.8 | |
| 9.5 | 27.5 | 9.0 | |
| 8.6 | 41.6 | 59.4 | K |
| 8.0 | 52.9 | 19.1 | Kb |
| 9.5 | 12 27.4 | 8.1 | |
| 9.5 | 13 19.0 | 18.9 | |
| 9.5 | 30.0 | 44.7 | |
| 9.5 | 44.2 | 20.1 | B |
| 9.1 | 47.1 | 33.6 | b |
| 9.3 | 14 12.2 | 55.5 | K |
| 9.5 | 24.1 | 7.9 | |
| 9.3 | 55.4 | 43.0 | B |
| 9.5 | 56.8 | 55.6 | |
| 9.5 | 15 12.7 | 12.9 | |
| 9.3 | 50.5 | 40.1 | |
| 9.3 | 16 2.7 | 18.7 | B |
| 8.2 | 6.6 | 18.3 | B |
| 8.0 | 13.5 | 16.0 | K |
| 9.3 | 15.1 | 15.9 | K |
| 8.9 | 28.0 | 39.2 | K |
| 9.5 | 17 2.8 | 11.2 | |
| 9.5 | 6.2 | 57.5 | |
| 8.6 | 6.3 | 0.9 | |
| | + | + | |
| 10pr. | 33.90 | 3.19 | |

261—320

| m | 1ª ′ ″ | +38° ′ | |
|---|---|---|---|
| 9.2 | 17 31.9 | 10.4 | K |
| 9.2 | 18 29.8 | 54.9 | |
| 7.7 | 54.7 | 54.7 | K |
| 9.5 | 19 21.3 | 56.8 | |
| 9.5 | 29.0 | 0.0 | |
| 9.3 | 29.0 | 27.8 | |
| 8.0 | 36.2 | 35.0 | K |
| 9.5 | 42.5 | 57.8 | |
| 9.0 | 20 21.5 | 42.0 | K |
| 9.3 | 22.0 | 50.7 | |
| 9.3 | 36.3 | 30.7 | B |
| 9.1 | 21 53.8 | 34.7 | |
| 8.5 | 22 14.8 | 1.6 | K |
| 9.5 | 16.2 | 28.1 | |
| 7.3 | 39.8 | 44.7 | Lb |
| 8.5 | 46.0 | 38.4 | |
| 9.4 | 46.5 | 13.9 | |
| 6.6 | 23 4.8 | 1.1 | K |
| 9.5 | 24.9 | 11.2 | |
| 9.2 | 28.6 | 53.7 | K |
| 9.3 | 24 0.2 | 23.6 | B |
| 9.3 | 11.1 | 54.6 | K |
| 9.2 | 34.3 | 38.0 | |
| 9.5 | 45.4 | 57.9 | |
| 9.3 | 46.0 | 9.5 | |
| 9.4 | 25 16.2 | 44.4 | |
| 9.4 | 37.3 | 25.3 | |
| 9.4 | 46.6 | 30.9 | |
| 8.7 | 54.9 | 53.5 | K |
| 9.5 | 56.7 | 57.5 | |
| 7.9 | 59.6 | 5.9 | K |
| 9.5 | 26 7.3 | 8.1 | |
| 9.5 | 36.2 | 46.8 | |
| 9.3 | 43.8 | 3.0 | |
| 8 9 | 27 3.5 | 14.9 | B |
| 9.3 | 19.5 | 16.3 | |
| 8.5 | 22.6 | 44.0 | |
| 9.1 | 44.2 | 8.1 | |
| 9.5 | 59.4 | 52.5 | |
| 9.4 | 29 2.4 | 14.3 | |
| 9.4 | 13.5 | 0.5 | |
| 8.9 | 41.5 | 47.4 | |
| 9.5 | 49.7 | 11.5 | |
| 9.3 | 49.9 | 4.2 | K |
| 8.4 | 51.4 | 36.9 | B |
| 9.5 | 30 11.1 | 47.7 | |
| 8.9 | 16.6 | 3.2 | K |
| 9.3 | 27.5 | 56.5 | |
| 9.2 | 27.5 | 45.4 | B |
| 9.5 | 34.6 | 0.5 | |
| 9.4 | 35.5 | 37.8 | |
| 9.2 | 38.2 | 40.4 | K |
| 8.9 | 49.6 | 16.3 | |
| 8.1 | 31 1.7 | 6.6 | K |
| var | 7.9 | 36.3 | B |
| 7.5 | 37.1 | 13.0 | S |
| 6.9 | 47.6 | 51.2 | K |
| 8.8 | 58.9 | 24.8 | |
| 9.5 | 32 38.0 | 10 0 | |
| 9.5 | 39.4 | 3.1 | |
| | + | + | |
| 10pr. | 34.62 | 3.11 | |

321—380

| m | 1ª ′ ″ | +38° ′ | |
|---|---|---|---|
| 9.3 | 32 40.1 | 44.7 | |
| 9.5 | 45.1 | 51.7 | |
| 8.3 | 33 21.5 | 45.0 | |
| 9.5 | 25.3 | 50.4 | |
| 9.5 | 36.9 | 13.3 | |
| 8.3 | 40.0 | 42.2 | |
| 8.6 | 41.8 | 35.2 | |
| 9.5 | 53.2 | 2.0 | |
| 9.5 | 34 16.2 | 56.8 | |
| 9.4 | 17.9 | 6.0 | |
| 9.1 | 32.8 | 32.8 | K |
| 9.5 | 39.8 | 2.9 | B |
| 9.5 | 59.4 | 41.1 | |
| 9.3 | 35 4.3 | 45.1 | B |
| 9.3 | 9.2 | 59.2 | K |
| 9.5 | 18.7 | 42.6 | B |
| 9.4 | 36.7 | 40.1 | |
| 9.4 | 43.5 | 27.5 | |
| 9.5 | 56.1 | 34.8 | |
| 9.0 | 36 1.4 | 36.8 | B |
| 9.1 | 23.3 | 32.6 | |
| 8.0 | 37 30.4 | 53.1 | K |
| 8.7 | 39.5 | 54.3 | K |
| 9.4 | 44.3 | 57.6 | |
| 9.5 | 46.3 | 48.4 | |
| 9.5 | 38 11.2 | 53.7 | |
| 8.3 | 12.9 | 12.2 | S |
| 9.5 | 14.5 | 20.3 | |
| 7.1 | 19.2 | 1.1 | K |
| 9.3 | 41.3 | 39.7 | |
| 9.5 | 45.4 | 57.8 | |
| 9.3 | 39 27.5 | 53.2 | |
| 9.3 | 46.8 | 38.6 | |
| 9.3 | 50.2 | 57.9 | |
| 8.6 | 40 45.3 | 44.5 | |
| 9.5 | 41 4.9 | 34.4 | |
| 9.3 | 13.9 | 23.9 | |
| 9.3 | 23.5 | 7.5 | |
| 9.0 | 35.7 | 5.5 | |
| 9.5 | 36.6 | 18.3 | |
| 9.0 | 39.3 | 32.8 | |
| 9.5 | 45.0 | 58.3 | |
| 9.5 | 42 6.9 | 15.0 | |
| 9.3 | 27.0 | 17.8 | a |
| 7.3 | 43.8 | 6.6 | K |
| 9.0 | 43 7.4 | 25.2 | B |
| 9.1 | 8.3 | 27.0 | b |
| 9.5 | 53.9 | 29.2 | |
| 9.5 | 44 3.6 | 42.0 | |
| 9.3 | 22.8 | 13.0 | |
| 9.3 | 23.8 | 32.3 | |
| 8.5 | 45 23.5 | 5.6 | |
| 9.0 | 27.3 | 15.9 | K |
| 9.5 | 54.0 | 49.9 | |
| 9.2 | 59.5 | 5.9 | |
| 9.5 | 46 5.0 | 18.3 | |
| 9.4 | 47 2.2 | 45.9 | |
| 9.5 | 10.9 | 3.7 | |
| 8.8 | 18.4 | 6.4 | |
| 9.3 | 40.6 | 26.4 | B |
| | + | + | |
| 10pr. | 35.16 | 3.04 | |

381—440

| m | 1ª—2ª ′ ″ | +38° ′ | |
|---|---|---|---|
| 8.8 | 49 3.9 | 31.1 | |
| 9.0 | 31.9 | 23.6 | |
| 8.6 | 41.0 | 59.5 | |
| 9.3 | 45.7 | 7.9 | |
| 8.9 | 50 35.6 | 23.4 | B |
| 9.2 | 36.8 | 12.8 | |
| 9.3 | 51 28.8 | 1.7 | |
| 9.4 | 31.4 | 25.0 | |
| 8.2 | 41.8 | 49.9 | B |
| 9.0 | 49.7 | 4.1 | |
| 9.0 | 52 6.9 | 54.1 | B |
| 7.8 | 7.0 | 54.7 | K |
| 9.0 | 53 18.2 | 24.3 | K |
| 9.5 | 40.4 | 1.6 | |
| 9.4 | 40.4 | 47.5 | |
| 9.2 | 54 32.3 | 45.1 | |
| 9.4 | 49.7 | 15.3 | B |
| 9.1 | 55 22.5 | 25.4 | |
| 9.0 | 26.6 | 35.9 | |
| 9.0 | 35.1 | 26.1 | |
| 8.5 | 37.5 | 42.1 | K |
| 8.0 | 56 2.8 | 44.6 | K |
| 8.8 | 28.1 | 42.0 | K |
| 9.5 | 47.1 | 46.6 | |
| 9.1 | 58.4 | 50.5 | b |
| 9.0 | 57 34.3 | 35.2 | |
| 9.5 | 36.9 | 28.8 | |
| 8.2 | 41.8 | 12.1 | L |
| 9.4 | 56.9 | 10.1 | B |
| 9.3 | 58 40.7 | 27.5 | B |
| 9.5 | 44.1 | 2.3 | |
| 9.1 | 49.2 | 28.2 | K |
| 8.2 | 59 40.8 | 42.4 | K |
| 9.5 | 42.0 | 53.9 | |
| 9.5 | 46.0 | 56.9 | |
| 7.3 | 0 8.6 | 40.1 | K |
| 9.1 | 11.5 | 34.0 | B |
| 8.4 | 13.4 | 52.3 | K |
| 9.5 | 32.1 | 56.2 | |
| 9.5 | 56.8 | 8.5 | |
| 8.9 | 1 12.9 | 57.8 | K |
| 9.4 | 36.6 | 28.7 | |
| 8.8 | 2 0.0 | 0.6 | K |
| 8.8 | 2.6 | 45.1 | |
| 6.1 | 7.5 | 20.7 | K |
| 9.5 | 32.4 | 36.9 | |
| 8.5 | 38.5 | 46.9 | |
| 9.5 | 44.6 | 28.0 | |
| 9.5 | 56.9 | 54.9 | |
| 9.3 | 3 6.5 | 23.1 | |
| 9.5 | 40.6 | 11.6 | |
| 9.5 | 49.9 | 42.7 | |
| 8.9 | 52.8 | 56.9 | K |
| 8.7 | 57.5 | 12.2 | B |
| 9.5 | 4 30.7 | 4.4 | B |
| 9.5 | 47.1 | 44.2 | |
| 9.5 | 5 30.0 | 52.1 | |
| 9.0 | 37.7 | 56.7 | |
| 9.0 | 59.7 | 26.6 | |
| 9.3 | 6 4.5 | 40.5 | B |
| | + | + | |
| 10pr. | 35.99 | 2.90 | |

441—500

| m | 2ª ′ ″ | +38° ′ | |
|---|---|---|---|
| 9.5 | 6 16.5 | 43.5 | |
| 8.0 | 31.6 | 28.3 | K |
| 8.5 | 7 22.2 | 32.8 | |
| 9.0 | 33.0 | 9.3 | |
| 9.3 | 40.0 | 59.3 | B |
| 9.4 | 44.5 | 29.8 | |
| 9.0 | 48.6 | 3.8 | |
| 9.3 | 51.1 | 47.5 | |
| 9.3 | 8 5.7 | 58.1 | B |
| 8.7 | 7.6 | 12.6 | |
| 9.3 | 48.7 | 45.9 | |
| 9.1 | 9 18.3 | 59.7 | B |
| 9.0 | 19.1 | 39.3 | |
| 9.1 | 19.9 | 41.5 | |
| 8.5 | 31.3 | 25.0 | K |
| 9.5 | 10 9.2 | 15.0 | |
| 8.4 | 44.0 | 48.9 | K |
| 9.2 | 49.0 | 50.0 | Kb |
| 9.1 | 11 0.5 | 54.8 | |
| 9.4 | 17.8 | 40.3 | |
| 9.4 | 12 10.3 | 14.9 | |
| 9.2 | 14.0 | 20.8 | b |
| 9.3 | 42.1 | 43.4 | |
| 9.5 | 48.4 | 0.6 | |
| 8.7 | 49.9 | 43.1 | S |
| 8.9 | 56.5 | 56.2 | |
| 9.5 | 13 15.2 | 25.4 | |
| 9.3 | 14 13.4 | 15.1 | |
| 9.2 | 25.4 | 15.8 | |
| 9.5 | 50.0 | 58.9 | |
| 9.5 | 15 8.3 | 21.2 | |
| 7.5 | 16.0 | 41.3 | Lb |
| 9.3 | 26.0 | 3.3 | |
| 8.9 | 37.5 | 11.4 | K |
| 9.5 | 16 20.7 | 30.8 | |
| 9.4 | 24.5 | 57.8 | |
| 9.0 | 49.1 | 31.3 | |
| 9.0 | 50.0 | 36.8 | K |
| 9.2 | 57.5 | 33 3 | B |
| 9.4 | 17 4.4 | 15.8 | |
| 9.4 | 18 2.0 | 31.6 | |
| 9.4 | 11.2 | 12.7 | |
| 9.0 | 19 3.9 | 12.1 | K |
| 7.2 | 13.9 | 11.1 | K |
| 9.2 | 27.0 | 18.1 | K |
| 9.5 | 47.8 | 57.1 | |
| 9.5 | 55.8 | 11.7 | |
| 9.5 | 20 33.9 | 24.0 | |
| 9.4 | 47.8 | 42.0 | |
| 9.2 | 54.8 | 57.6 | b |
| 7.0 | 58.2 | 29.5 | L |
| 9.4 | 21 11.4 | 56.2 | |
| 7.5 | 15.3 | 18.2 | L |
| 9.4 | 59.7 | 46.4 | |
| 9.3 | 22 27.7 | 4.2 | |
| 9.5 | 41.7 | 28.4 | |
| 9.3 | 48.3 | 8.3 | |
| 9.3 | 56.2 | 58.9 | B |
| 8.9 | 23 10.6 | 28.1 | B |
| 8.3 | 19.3 | 44.3 | |
| | + | + | |
| 10pr. | 36.62 | 2.78 | |

218 a

| | | | |
|---|---|---|---|
| 9.5 | 5 30.6 | 14.5 | a |

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵘ | | +38° | | | 2ᵘ | | +38° | | | 2ᵘ—3ᵘ | | +38° | | | 3ᵘ | | +38° | | | 3ᵘ | | +38° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 9.3 | 23′ | 25.6 | 25.5 | | 9.0 | 39′ | 51.4 | 35.7 | | 9.5 | 54′ | 16.8 | 59.7 | | 8.5 | 7′ | 10.2 | 29.0 | K | 9.4 | 23′ | 19.5 | 33.7 | |
| 7.5 | | 43.5 | 54.4 | B | 9.3 | | 51.5 | 4.6 | | 9.3 | | 17.9 | 19.2 | B | 7.8 | | 13.1 | 5.1 | K | 9.5 | 24 | 25.1 | 48.3 | |
| 9.1 | 24 | 25.7 | 5.1 | B | 9.3 | 40 | 49.6 | 27.0 | | 9.2 | | 19.8 | 27.0 | | 9.4 | | 23.9 | 53.0 | B | 7.9 | | 32.2 | 48.8 | B |
| 9.1 | | 27.4 | 14.3 | K | 9.3 | | 52.0 | 55.6 | | 8.8 | | 43.8 | 50.5 | | 9.5 | | 32.3 | 12.0 | | 8.9 | | 59.7 | 41.6 | |
| 9.5 | | 55.6 | 51.0 | | 9.4 | | 52.0 | 17.0 | | 9.4 | | 55.7 | 22.5 | | 9.5 | | 33.7 | 52.8 | | 9.0 | 25 | 9.1 | 16.4 | |
| 7.0 | 25 | 9.2 | 5.7 | L | 9.4 | 41 | 21.5 | 52.1 | | 9.3 | 55 | 12.6 | 10.1 | | 9.0 | | 58.3 | 49.7 | K | 9.4 | | 11.4 | 24.2 | |
| 8.8 | | 16.1 | 54.8 | K | 9.5 | | 42.7 | 36.7 | | 9.4 | | 25.2 | 46.0 | | 9.3 | 8 | 6.1 | 44.9 | R | 7.5 | | 16.2 | 18.9 | L |
| 8.5 | 26 | 15.3 | 32.5 | K | 9.0 | | 42.7 | 19.8 | | 9.0 | | 27.5 | 38.2 | | 9.3 | | 7.5 | 56.6 | | 8.7 | | 21.0 | 57.7 | |
| 9.5 | | 30.9 | 47.5 | | 9.0 | | 44.8 | 31.6 | K | 8.2 | | 31.1 | 57.0 | K | 7.5 | | 21.2 | 5.9 | K | 7.0 | | 38.8 | 6.2 | Kb |
| 8.0 | | 46.8 | 54.2 | K | 9.0 | | 48.1 | 8.6 | | var | | 54.2 | 16.8 | K | 6.5 | | 22.8 | 45.5 | K | 9.2 | | 57.3 | 54.2 | |
| 9.5 | 27 | 13.7 | 20.9 | | 9.3 | | 59.0 | 34.8 | | 9.4 | 56 | 17.5 | 34.4 | | 9.2 | | 28.7 | 27.8 | | 8.5 | | 59.3 | 40.5 | B |
| 9.1 | | 19.8 | 24.3 | | 9.5 | 42 | 4.3 | 18.9 | | 9.1 | | 55.7 | 58.0 | | 8.9 | 9 | 27.3 | 11.7 | | 9.4 | 26 | 6.5 | 50.5 | |
| 8.8 | | 23.6 | 17.7 | | 8.8 | | 28.4 | 32.7 | K | 9.5 | 57 | 3.7 | 52.9 | B | 7.3 | | 56.7 | 31.2 | L | 8.7 | | 11.9 | 48.6 | K |
| 9.3 | | 36.3 | 55.2 | | 8.6 | | 33.6 | 16.3 | | 8.5 | | 19.8 | 3.1 | L | 9.2 | 10 | 40.9 | 14.0 | | 9.3 | | 14.5 | 45.5 | |
| 6.2 | | 54.6 | 6.0 | K | 9.0 | | 43.3 | 19.3 | | 8.5 | | 24.7 | 48.0 | | 9.5 | | 44.7 | 21.1 | | 9.3 | | 18.3 | 22.1 | |
| 9.2 | 28 | 2.9 | 9.9 | K | 9.4 | 43 | 44.3 | 24.4 | | 9.4 | | 54.0 | 54.8 | a | 9.5 | | 59.4 | 0.7 | | 9.5 | | 34.0 | 9.4 | |
| 8.9 | | 11.0 | 12.0 | K | 9.3 | 44 | 14.6 | 56.9 | | 9.5 | 58 | 3.2 | 51.8 | B | 9.5 | 11 | 15.7 | 50.3 | | 9.3 | | 38.8 | 33.4 | |
| 9.1 | | 12.2 | 20.4 | | 9.0 | | 31.3 | 25.5 | | 9.2 | | 10.2 | 5.4 | | 9.5 | | 30.1 | 15.9 | B | 9.5 | | 43.6 | 8.9 | |
| 9.1 | | 13.8 | 5.9 | B | 9.2 | | 48.0 | 40.2 | B | 8.6 | | 13.7 | 39.4 | | 7.8 | | 30.2 | 22.1 | K | 9.5 | | 50.5 | 12.4 | B |
| 9.0 | | 22.0 | 38.1 | | 9.1 | | 50.5 | 54.3 | | 8.1 | | 15.7 | 30.9 | | 9.1 | | 42.7 | 30.9 | | 9.4 | | 50.7 | 16.4 | |
| 9.4 | | 28.5 | 49.0 | | 9.5 | 45 | 20.0 | 20.5 | | 9.1 | | 16.1 | 2.5 | | 8.0 | | 55.2 | 12.1 | L | 9.5 | | 53.8 | 0.9 | |
| 9.5 | | 44.4 | 8.8 | B | 9.0 | | 39.7 | 37.8 | | 9.4 | | 49.7 | 20.5 | | 9.4 | 12 | 10.1 | 52.5 | B | 9.0 | 27 | 0.4 | 42.1 | K |
| 7.8 | | 53.9 | 19.0 | K | 9.5 | | 41.6 | 57.9 | | 9.2 | | 59.6 | 10.1 | | 9.2 | | 10.5 | 26.5 | | 9.5 | | 19.2 | 41.4 | |
| 9.5 | 29 | 2.8 | 3.8 | | 8.3 | | 44.7 | 50.3 | | 9.4 | 59 | 0.0 | 4.4 | B | 9.1 | | 31.1 | 42.2 | B | 9.5 | | 42.0 | 57.2 | |
| 9.4 | | 20.8 | 32.2 | B | 9.3 | | 45.9 | 21.3 | | 8.9 | | 10.2 | 36.1 | | 9.5 | | 34.7 | 5.2 | | 9.5 | 28 | 9.7 | 57.1 | |
| 9.5 | | 45.3 | 21.4 | | 9.5 | 46 | 1.8 | 4.4 | | 9.5 | | 20.5 | 51.6 | | 9.5 | | 56.3 | 31.6 | B | 8.5 | | 45.0 | 42.5 | K |
| 7.8 | | 48.9 | 31.0 | L | 9.5 | | 42.0 | 57.0 | | 9.5 | | 26.7 | 23.2 | | 9.2 | 13 | 34.8 | 45.6 | B | 9.4 | 29 | 1.2 | 30.4 | |
| 9.0 | 30 | 10.0 | 54.0 | R | 9.4 | | 53.7 | 41.8 | | 9.5 | | 49.8 | 2.3 | | 9.0 | | 35.2 | 14.1 | | 9.4 | | 7.1 | 35.9 | |
| 9.3 | | 13.9 | 13.8 | | 9.5 | 47 | 28.3 | 42.1 | | 9.0 | 0 | 2.3 | 25.1 | K | 9.3 | | 37.2 | 33.0 | | 9.3 | | 20.4 | 57.7 | |
| 9.3 | | 37.0 | 55.5 | | 8.7 | | 32.3 | 6.9 | K | 8.1 | | 9.4 | 56.3 | | 9.1 | | 39.5 | 55.3 | | 9.2 | | 24.4 | 4.1 | |
| 9.5 | | 50.1 | 13.1 | | 9.1 | | 33.0 | 52.2 | b | 9.3 | | 10.5 | 25.1 | | 9.5 | | 54.4 | 40.8 | | 8.5 | | 27.1 | 14.0 | B |
| 9.0 | | 56.2 | 33.0 | | 9.4 | | 34.1 | 3.6 | | 9.2 | | 45.2 | 3.5 | | 8.7 | | 59.8 | 15.7 | K | 8.8 | | 34.8 | 53.9 | K |
| 9.0 | 31 | 9.0 | 23.2 | | 9.4 | | 52.2 | 35.0 | | 9.0 | | 50.0 | 10.4 | | 9.5 | 14 | 10.4 | 10.6 | | 9.5 | 30 | 11.6 | 3.3 | |
| 9.4 | | 18.0 | 25.2 | | 8.0 | | 53.0 | 28.8 | K | 9.5 | | 51.2 | 22.5 | | 9.3 | | 36.2 | 24.8 | | 9.5 | | 38.7 | 58.9 | |
| 9.3 | | 32.8 | 45.8 | B | 9.4 | | 58.9 | 10.9 | B | 8.6 | 1 | 1.0 | 46.2 | K | 9.5 | | 48.9 | 6.5 | | 9.5 | | 40.0 | 52.6 | |
| 8.8 | | 53.6 | 26.7 | Kb | 9.5 | 48 | 27.3 | 18.4 | | 9.4 | | 3.9 | 58.3 | | 9.3 | | 50.1 | 13.1 | | 8.9 | | 49.6 | 42.8 | B |
| 9.5 | 32 | 3.1 | 8.7 | | 9.2 | | 35.8 | 2.3 | | 9.1 | 2 | 39.0 | 36.4 | | 8.8 | 15 | 47.7 | 33.7 | | 9.4 | | 51.5 | 7.4 | |
| 9.3 | | 22.7 | 22.6 | | 8.0 | | 42.5 | 27.7 | K | 9.5 | | 41.7 | 6.8 | | 9.3 | | 49.3 | 6.2 | | 9.2 | 31 | 3.0 | 13.3 | K |
| 8.7 | | 36.0 | 55.6 | K | 6.8 | | 51.6 | 1.7 | B | 9.3 | | 56.8 | 57.7 | | 9.5 | 16 | 15.8 | 4.0 | | 9.3 | | 4.6 | 42.7 | B |
| 9.5 | | 40.1 | 1.5 | | 8.5 | 49 | 10.9 | 54.3 | K | 9.3 | 3 | 24.1 | 24.4 | | 8.9 | | 25.7 | 30.3 | | 9.2 | | 10.6 | 31.6 | B |
| 9.5 | | 53.4 | 49.1 | | 8.4 | | 32.8 | 12.5 | | 9.0 | | 43.2 | 22.2 | | 9.2 | | 46.2 | 51.0 | | 9.2 | | 16.4 | 22.0 | |
| 8.5 | | 54.0 | 40.3 | R | 9.4 | | 42.0 | 10.6 | | 8.2 | | 48.0 | 26.1 | K | 8.0 | | 51.7 | 33.8 | | 7.5 | | 18.4 | 38.8 | K |
| 9.3 | 33 | 55.7 | 50.7 | | 9.3 | | 44.8 | 15.5 | | 9.5 | | 54.7 | 50.6 | | 9.4 | 17 | 6.2 | 20.0 | | 9.0 | | 27.2 | 28.5 | B |
| 8.0 | 34 | 8.7 | 44.8 | B | 9.1 | 50 | 48.6 | 56.8 | | 9.3 | 4 | 0.7 | 44.0 | | 9.0 | | 51.2 | 46.1 | | 9.1 | 32 | 5.1 | 34.2 | |
| 9.4 | | 33.0 | 56.5 | | 9.1 | | 50.1 | 50.3 | a | 9.5 | | 3.2 | 31.6 | | 9.3 | | 58.0 | 41.8 | | 9.0 | | 6.2 | 29.6 | |
| 9.5 | 35 | 36.6 | 59.6 | | 8.8 | | 51.5 | 36.6 | B | 8.4 | | 4.7 | 25.1 | K | 8.5 | 18 | 2.2 | 5.0 | K | 8.8 | | 17.5 | 56.7 | K |
| 9.4 | | 49.0 | 58.1 | B | 9.0 | | 59.8 | 51.2 | | 8.1 | | 14.6 | 36.4 | K | 9.2 | | 39.7 | 25.8 | b | 9.3 | | 22.4 | 40.1 | |
| 9.3 | 36 | 0.0 | 31.6 | | 8.9 | 51 | 6.4 | 53.6 | | 9.0 | | 27.2 | 23.7 | | 9.5 | | 50.7 | 20.5 | | 8.0 | | 30.1 | 21.8 | L |
| 9.5 | | 18.2 | 5.9 | | 8.5 | | 15.0 | 59.9 | K | 9.4 | | 51.1 | 53.6 | | 9.0 | | 59.0 | 43.6 | | 9.5 | | 41.5 | 4.8 | |
| 8.8 | 37 | 8.2 | 6.1 | | 9.5 | | 36.5 | 46.2 | | 9.5 | 5 | 6.5 | 29.9 | | 9.3 | 19 | 5.2 | 14.2 | | 8.8 | | 49.4 | 58.0 | Kb |
| 8.5 | | 40.0 | 29.6 | L | 8.0 | | 37.0 | 41.1 | K | 9.5 | | 9.2 | 18.6 | | 8.2 | | 14.3 | 6.8 | K | 9.4 | 33 | 10.3 | 47.7 | B |
| 8.6 | | 41.8 | 43.2 | L | 8.6 | | 38.2 | 57.0 | | 9.3 | | 44.4 | 20.0 | | 9.1 | 20 | 15.2 | 15.3 | | 9.0 | | 18.5 | 4.8 | K |
| 9.3 | | 56.9 | 50.2 | B | 9.3 | 52 | 10.0 | 24.9 | B | 9.5 | 6 | 2.2 | 13.6 | | 8.3 | | 47.2 | 44.8 | K | 9.5 | | 31.4 | 57.6 | |
| 9.5 | 38 | 0.3 | 25.2 | | 9.4 | | 27.5 | 57.6 | B | 9.5 | | 6.5 | 35.9 | | 9.2 | | 52.3 | 33.8 | | 9.5 | 34 | 20.0 | 5.3 | |
| 9.3 | | 10.7 | 5.6 | | 9.5 | | 33.9 | 35.7 | | 9.1 | | 7.8 | 58.9 | b | 9.4 | | 56.5 | 53.4 | | 9.3 | | 24.8 | 56.3 | |
| 9.3 | | 25.2 | 46.0 | B | 8.5 | | 37.0 | 59.2 | K | 9.4 | | 11.3 | 58.3 | | 9.5 | 21 | 21.3 | 6.4 | | 9.4 | | 37.9 | 51.2 | |
| 8.7 | | 39.6 | 54.2 | K | 6.8 | | 39.8 | 19.8 | K | 9.2 | | 13.1 | 7.8 | B | 7.0 | | 39.7 | 39.2 | B | 9.4 | | 49.4 | 48.2 | |
| 9.2 | | 40.5 | 42.4 | B | 9.5 | 53 | 2.6 | 2.2 | | 9.5 | | 14.2 | 44.4 | | 9.5 | | 40.8 | 59.5 | | 9.4 | 35 | 3.9 | 58.0 | |
| 9.4 | 39 | 3.7 | 40.4 | | 9.4 | | 17.8 | 7.9 | | 9.4 | | 23.2 | 2.3 | | 9.4 | 22 | 18.4 | 14.1 | B | 9.0 | | 5.5 | 31.6 | |
| 9.5 | | 3.9 | 6.9 | B | 9.2 | | 38.1 | 1.4 | | 9.4 | 7 | 2.2 | 42.3 | | 9.5 | 23 | 18.0 | 40.1 | | 8.3 | | 9.1 | 41.1 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr: | | 37.23 | 2.64 | | 10pr: | | 37.82 | 2.48 | | 10pr: | | 38.25 | 2.36 | | 10pr: | | 38.68 | 2.22 | | 10pr: | | 39.14 | 2.04 | |

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1ʰ | | +38° | | 1ʰ | | +38° | | 1ʰ | | +38° | | 1ʰ—2ʰ | | +38° | | 2ʰ | | +38° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.2 | 1 | 36.0 | 3.2 | B | 9.2 | 17 | 31.9 | 10.4 | K | 9.3 | 32 | 40.1 | 44.7 | | 8.8 | 49 | 3.9 | 31.1 | | 9.5 | 6 | 16.5 | 43.5 | |
| 8.9 | | 40.5 | 51.9 | | 9.2 | 18 | 29.8 | 54.9 | | 9.5 | | 45.1 | 51.7 | | 9.0 | | 31.9 | 23.6 | | 8.0 | | 31.6 | 28.3 | K |
| 9.5 | 2 | 1.8 | 40.4 | | 7.7 | | 54.7 | 54.7 | K | 8.3 | 33 | 21.5 | 45.0 | | 8.6 | | 41.0 | 59.5 | | 8.5 | 7 | 22.2 | 32.8 | |
| 9.5 | | 18.2 | 29.2 | | 9.5 | 19 | 21.3 | 56.8 | | 9.5 | | 25.3 | 50.4 | | 9.3 | | 45.7 | 7.9 | | 9.0 | | 33.0 | 9.3 | |
| 9.5 | | 42.7 | 19.2 | B | 9.5 | | 29.0 | 0.0 | | 9.5 | | 36.9 | 13.3 | | 8.9 | 50 | 35.6 | 23.4 | B | 9.3 | | 40.0 | 59.3 | B |
| 9.5 | 3 | 22.9 | 56.6 | | 9.3 | | 29.0 | 27.8 | | 8.3 | | 40.0 | 42.2 | | 9.2 | | 36.8 | 12.8 | | 9.4 | | 44.5 | 29.8 | |
| 9.3 | | 23.0 | 9.3 | | 8.0 | | 36.2 | 35.0 | K | 8.6 | | 41.8 | 35.2 | | 9.3 | 51 | 28.8 | 1.7 | | 9.0 | | 48.6 | 3.8 | |
| 9.2 | | 29.7 | 1.2 | | 9.5 | | 42.5 | 57.8 | | 9.5 | | 53.2 | 2.0 | | 9.4 | | 31.4 | 25.0 | | 9.3 | | 51.1 | 47.5 | |
| 9.3 | | 54.8 | 52.5 | | 9.0 | 20 | 21.5 | 42.0 | K | 9.5 | 34 | 16.2 | 56.8 | | 8.2 | | 41.8 | 49.9 | B | 9.3 | 8 | 5.7 | 58.1 | B |
| 9.1 | 4 | 3.1 | 47.5 | K | 9.3 | | 22.0 | 50.7 | | 9.4 | | 17.9 | 6.0 | | 9.0 | | 49.7 | 4.1 | | 8.7 | | 7.6 | 12.6 | |
| 9.3 | | 33.3 | 57.3 | | 9.3 | | 36.3 | 30.7 | B | 9.1 | | 32.8 | 32.8 | K | 9.0 | 52 | 6.9 | 54.1 | B | 9.3 | | 48.7 | 45.9 | |
| 9.5 | | 33.5 | 6.1 | | 9.1 | 21 | 53.8 | 34.7 | | 9.5 | | 39.8 | 2.0 | B | 7.8 | | 7.0 | 54.7 | K | 9.1 | 9 | 18.3 | 59.7 | B |
| 9.4 | | 47.9 | 5.0 | | 8.5 | 22 | 14.8 | 1.6 | K | 9.5 | | 59.4 | 41.1 | | 9.0 | 53 | 18.2 | 24.3 | K | 9.0 | | 19.1 | 39.3 | |
| 8.6 | | 59.6 | 17.4 | K | 9.5 | | 16.2 | 28.1 | | 9.3 | 35 | 4.3 | 45.1 | B | 9.5 | | 40.4 | 1.6 | | 9.1 | | 19.9 | 41.5 | |
| 9.4 | 5 | 6.1 | 25.5 | | 7.3 | | 39.8 | 44.7 | Lb | 9.3 | | 9.2 | 59.2 | K | 9.4 | | 40.4 | 47.5 | | 8.5 | | 31.3 | 25.0 | K |
| 9.5 | | 8.7 | 18.2 | | 8.5 | | 46.0 | 38.4 | | 9.5 | | 18.7 | 42.6 | B | 9.2 | 54 | 32.3 | 45.1 | | 9.5 | 10 | 9.2 | 15.0 | |
| 9.5 | | 18.8 | 50.3 | | 9.4 | | 46.5 | 13.9 | | 9.4 | | 36.7 | 40.1 | | 9.4 | | 49.7 | 15.3 | B | 8.4 | | 44.0 | 48.9 | K |
| 9.4 | | 18.8 | 45.5 | | 6.6 | 23 | 4.8 | 1.1 | K | 9.4 | | 43.5 | 27.5 | | 9.1 | 55 | 22.5 | 25.4 | | 9.2 | | 49.0 | 50.0 | Kb |
| 9.3 | | 36.1 | 17.5 | K | 9.5 | | 24.9 | 11.2 | | 9.5 | | 56.1 | 34.8 | | 9.0 | | 26.6 | 35.9 | | 9.1 | 11 | 0.5 | 54.8 | |
| 7.5 | 6 | 31.6 | 40.4 | L | 9.2 | | 28.6 | 53.7 | K | 9.0 | 36 | 1.4 | 36.8 | B | 9.0 | | 35.1 | 26.1 | | 9.4 | | 17.8 | 40.3 | |
| 9.5 | | 55.2 | 23.7 | | 9.3 | 24 | 0.2 | 23.6 | B | 9.1 | | 23.3 | 32.6 | | 8.5 | | 37.5 | 42.1 | K | 9.4 | 12 | 10.3 | 14.9 | |
| 8.5 | 7 | 0.8 | 3.2 | | 9.3 | | 11.1 | 54.6 | K | 8.0 | 37 | 30.4 | 53.1 | K | 8.0 | 56 | 2.8 | 44.6 | K | 9.2 | | 14.0 | 20.8 | b |
| 9.5 | | 24.4 | 7.7 | | 9.2 | | 34.3 | 38.0 | | 8.7 | | 39.5 | 54.3 | K | 8.8 | | 28.1 | 42.0 | K | 9.3 | | 42.1 | 43.4 | |
| 9.1 | 8 | 17.4 | 18.9 | K | 9.5 | | 45.4 | 57.9 | | 9.4 | | 44.3 | 57.6 | | 9.5 | | 47.1 | 46.6 | | 9.5 | | 48.4 | 0.6 | |
| 9.2 | | 25.9 | 23.6 | K | 9.3 | | 46.0 | 9.5 | | 9.5 | | 46.3 | 48.4 | | 9.1 | | 58.4 | 50.5 | b | 8.7 | | 49.9 | 43.1 | S |
| 9.5 | | 26.2 | 36.1 | | 9.4 | 25 | 16.2 | 44.4 | | 9.5 | 38 | 11.2 | 53.7 | | 9.0 | 57 | 34.3 | 35.2 | | 8.9 | | 56.5 | 56.2 | |
| 9.3 | | 28.9 | 42.7 | R | 9.4 | | 37.3 | 25.3 | | 8.3 | | 12.9 | 12.2 | S | 9.5 | | 36.9 | 28.8 | | 9.5 | 13 | 15.2 | 25.4 | |
| 9.3 | | 34.7 | 51.3 | | 9.4 | | 46.6 | 30.9 | | 9.5 | | 14.5 | 20.3 | | 8.2 | | 41.8 | 12.1 | L | 9.3 | 14 | 13.4 | 15.1 | |
| 6.8 | 9 | 2.1 | 42.5 | K | 8.7 | | 54.9 | 53.5 | K | 7.1 | | 19.2 | 1.1 | K | 9.4 | | 56.9 | 10.1 | B | 9.2 | | 25.4 | 15.8 | |
| 9.5 | | 27.4 | 27.4 | | 9.5 | | 56.7 | 57.5 | | 9.3 | | 41.3 | 39.7 | | 9.3 | 58 | 40.7 | 27.5 | B | 9.5 | | 50.0 | 58.9 | |
| 9.5 | | 37.9 | 0.2 | | 7.9 | | 59.6 | 5.9 | K | 9.5 | | 45.4 | 57.8 | | 9.5 | | 44.1 | 2.3 | | 9.5 | 15 | 8.3 | 21.2 | |
| 9.2 | 10 | 5.5 | 9.7 | B | 9.5 | 26 | 7.3 | 8.1 | | 9.3 | 39 | 27.5 | 53.2 | | 9.1 | | 49.2 | 28.2 | K | 7.5 | | 16.0 | 41.3 | Lb |
| 8.1 | | 6.7 | 1.5 | K | 9.5 | | 36.2 | 46.8 | | 9.3 | | 46.8 | 38.6 | | 8.2 | 59 | 40.8 | 42.4 | K | 9.3 | | 26.0 | 3.3 | |
| 9.1 | | 21.5 | 9.3 | K | 9.3 | | 43.8 | 3.0 | | 9.3 | | 50.2 | 57.9 | | 9.5 | | 42.0 | 53.9 | | 8.9 | | 37.5 | 11.4 | K |
| 9.4 | | 43.3 | 57.8 | | 8.9 | 27 | 3.5 | 14.9 | B | 8.6 | 40 | 45.3 | 44.5 | | 9.5 | | 46.0 | 56.9 | | 9.5 | 16 | 20.7 | 30.8 | |
| 9.5 | | 54.6 | 10.1 | | 9.3 | | 19.5 | 16.3 | | 9.5 | 41 | 4.9 | 34.4 | | 7.3 | 0 | 8.6 | 40.1 | K | 9.4 | | 24.5 | 57.8 | |
| 8.8 | 11 | 5.1 | 7.7 | K | 8.5 | | 22.6 | 44.0 | | 9.3 | | 13.9 | 23.9 | | 9.1 | | 11.5 | 34.0 | B | 9.0 | | 49.1 | 31.3 | |
| 9.5 | | 20.5 | 59.8 | | 9.1 | | 44.2 | 8.1 | | 9.3 | | 23.5 | 7.5 | | 8.4 | | 13.4 | 52.3 | K | 9.0 | | 50.0 | 36.8 | K |
| 9.5 | | 27.5 | 9.0 | | 9.5 | | 59.4 | 52.5 | | 9.0 | | 35.7 | 5.5 | | 9.5 | | 32.1 | 56.2 | | 9.2 | | 57.5 | 33.3 | B |
| 8.6 | | 41.6 | 59.4 | K | 9.4 | 29 | 2.4 | 14.3 | | 9.5 | | 36.6 | 18.3 | | 9.5 | | 56.8 | 8.5 | | 9.4 | 17 | 4.4 | 15.8 | |
| 8.0 | | 52.9 | 19.1 | Kb | 9.4 | | 13.5 | 0.5 | | 9.0 | | 39.3 | 32.8 | | 8.9 | 1 | 12.9 | 57.8 | K | 9.4 | 18 | 2.0 | 31.6 | |
| 9.5 | 12 | 27.4 | 8.1 | | 8.9 | | 41.5 | 47.4 | | 9.5 | | 45.0 | 58.3 | | 9.4 | | 36.6 | 28.7 | | 9.4 | | 11.2 | 12.7 | |
| 9.5 | 13 | 19.0 | 18.9 | | 9.5 | | 49.7 | 11.5 | | 9.5 | 42 | 6.9 | 15.0 | | 8.8 | 2 | 0.0 | 0.6 | K | 9.0 | 19 | 3.9 | 12.1 | K |
| 9.5 | | 30.0 | 44.7 | | 9.3 | | 49.9 | 4.2 | K | 9.3 | | 27.0 | 17.8 | a | 8.8 | | 2.6 | 45.1 | | 7.2 | | 13.9 | 11.1 | K |
| 9.5 | | 44.2 | 20.1 | B | 8.4 | | 51.4 | 36.9 | B | 7.3 | | 43.8 | 6.6 | K | 6.1 | | 7.5 | 20.7 | K | 9.2 | | 27.0 | 18.1 | K |
| 9.1 | | 47.1 | 33.6 | b | 9.5 | 30 | 11.1 | 47.7 | | 9.0 | 43 | 7.4 | 25.2 | B | 9.5 | | 32.4 | 36.9 | | 9.5 | | 47.8 | 57.1 | |
| 9.3 | 14 | 12.2 | 55.5 | K | 8.9 | | 16.6 | 3.2 | K | 9.1 | | 8.3 | 27.0 | b | 8.5 | | 38.5 | 46.9 | | 9.5 | | 55.8 | 11.7 | |
| 9.5 | | 24.1 | 7.9 | | 9.3 | | 27.5 | 56.5 | | 9.5 | | 53.9 | 29.2 | | 9.5 | | 44.6 | 28.0 | | 9.5 | 20 | 33.9 | 24.0 | |
| 9.3 | | 55.4 | 43.0 | B | 9.2 | | 27.5 | 45.4 | B | 9.5 | 44 | 3.6 | 42.0 | | 9.5 | | 56.9 | 54.9 | | 9.4 | | 47.8 | 42.0 | |
| 9.5 | | 56.8 | 55.6 | | 9.5 | | 34.6 | 0.5 | | 9.3 | | 22.8 | 13.0 | | 9.3 | 3 | 6.5 | 23.1 | | 9.2 | | 54.8 | 57.6 | b |
| 9.5 | 15 | 12.7 | 12.9 | | 9.4 | | 35.5 | 37.8 | | 9.3 | | 23.8 | 32.3 | | 9.5 | | 40.6 | 11.6 | | 7.0 | | 58.2 | 29.5 | L |
| 9.3 | | 50.5 | 40.1 | | 9.2 | | 38.2 | 40.4 | K | 8.5 | 45 | 23.5 | 5.6 | | 9.5 | | 49.9 | 42.7 | | 9.4 | 21 | 11.4 | 56.2 | |
| 9.3 | 16 | 2.7 | 18.7 | B | 8.9 | | 49.6 | 16.3 | | 9.0 | | 27.3 | 15.9 | K | 8.9 | | 52.8 | 56.9 | K | 7.5 | | 15.3 | 18.2 | L |
| 8.2 | | 6.6 | 18.3 | B | 8.1 | 31 | 1.7 | 6.6 | K | 9.5 | | 54.0 | 49.9 | | 8.7 | | 57.5 | 12.2 | B | 9.4 | | 59.7 | 46.4 | |
| 8.0 | | 13.5 | 16.0 | K | var | | 7.9 | 36.3 | B | 9.2 | | 59.5 | 5.9 | | 9.5 | 4 | 30.7 | 4.4 | B | 9.3 | 22 | 27.7 | 4.2 | |
| 9.3 | | 15.1 | 15.9 | K | 7.5 | | 37.1 | 13.0 | S | 9.5 | 46 | 5.0 | 18.3 | | 9.5 | | 47.1 | 44.2 | | 9.5 | | 41.7 | 28.4 | |
| 8.9 | | 28.0 | 39.2 | K | 6.9 | | 47.6 | 51.2 | K | 9.4 | 47 | 2.2 | 45.9 | | 9.5 | 5 | 30.0 | 52.1 | | 9.3 | | 48.3 | 8.3 | |
| 9.5 | 17 | 2.8 | 11.2 | | 8.8 | | 58.9 | 24.8 | | 9.5 | | 10.9 | 3.7 | | 9.0 | | 37.7 | 56.7 | | 9.3 | | 56.2 | 58.9 | B |
| 9.5 | | 6.2 | 57.5 | | 9.5 | 32 | 38.0 | 10.0 | | 8.8 | | 18.4 | 6.4 | | 9.0 | | 59.7 | 26.6 | | 8.9 | 23 | 10.6 | 28.1 | B |
| 8.6 | | 6.3 | 0.9 | | 9.5 | | 39.4 | 3.1 | | 9.3 | | 40.6 | 26.4 | B | 9.3 | 6 | 4.5 | 40.5 | B | 8.3 | | 19.3 | 44.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 33.90 | 3.19 | | 10pr. | | 34.62 | 3.11 | | 10pr. | | 35.16 | 3.04 | | 10pr. | | 35.99 | 2.90 | | 10pr. | | 36.62 | 2.78 | |

| 218 a | | | | |
|---|---|---|---|---|
| 9.5 | 5 | 30.6 | 14.5 | a |

| 501—560 | | | | 561—620 | | | | 621—680 | | | | 681—740 | | | | 741—800 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵐ | | +38° | | 2ᵐ | | +38° | | 2ᵐ—3ᵐ | | +38° | | 3ᵐ | | +38° | | 3ᵐ | | +38° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 9.3 | 23 | 25.6 | 25.5 | | 9.0 | 39 | 51.4 | 35.7 | 9.5 | 54 | 16.8 | 59.7 | 8.5 | 7 | 10.2 | 29.0 | K | 9.4 | 23 | 19.5 | 33.7 | |
| 7.5 | | 43.5 | 54.4 | B | 9.3 | | 51.5 | 4.6 | 9.3 | | 17.9 | 19.2 | B | 7.8 | | 13.1 | 5.1 | K | 9.5 | 24 | 25.1 | 48.3 | |
| 9.1 | 24 | 25.7 | 5.1 | B | 9.3 | 40 | 49.6 | 27.0 | 9.2 | | 19.8 | 27.0 | | 9.4 | | 23.9 | 53.0 | B | 7.9 | | 32.2 | 48.8 | B |
| 9.1 | | 27.4 | 14.3 | K | 9.3 | | 52.0 | 55.6 | 8.8 | | 43.8 | 50.5 | | 9.5 | | 32.3 | 12.0 | | 8.9 | | 59.7 | 41.6 | |
| 9.5 | | 55.6 | 51.0 | | 9.4 | | 52.0 | 17.0 | 9.4 | | 55.7 | 22.5 | | 9.5 | | 33.7 | 52.8 | | 9.0 | 25 | 9.1 | 16.4 | |
| 7.0 | 25 | 9.2 | 5.7 | L | 9.4 | 41 | 21.5 | 52.1 | 9.3 | 55 | 12.6 | 10.1 | | 9.0 | | 58.3 | 49.7 | K | 9.4 | | 11.4 | 24.2 | |
| 8.8 | | 16.1 | 54.8 | K | 9.5 | | 42.7 | 36.7 | 9.4 | | 25.2 | 46.0 | | 9.3 | 8 | 6.1 | 44.9 | B | 7.5 | | 16.2 | 18.9 | L |
| 8.5 | 26 | 15.3 | 32.5 | K | 9.0 | | 42.7 | 19.8 | 9.0 | | 27.5 | 38.2 | | 9.3 | | 7.5 | 56.6 | | 8.7 | | 21.0 | 57.7 | |
| 9.5 | | 30.9 | 47.5 | | 9.0 | | 44.8 | 31.6 | K | 8.2 | | 31.1 | 57.0 | K | 7.5 | | 21.2 | 5.9 | K | 7.0 | | 38.8 | 6.2 | Kb |
| 8.0 | | 46.8 | 54.2 | K | 9.0 | | 48.1 | 8.6 | | var | | 54.2 | 16.8 | K | 6.5 | | 22.8 | 45.5 | K | 9.2 | | 57.3 | 54.2 | |
| 9.5 | 27 | 13.7 | 20.9 | | 9.3 | | 59.0 | 34.8 | | 9.4 | 56 | 17.5 | 34.4 | | 9.2 | | 28.7 | 27.8 | | 8.5 | | 59.3 | 40.5 | B |
| 9.1 | | 19.8 | 24.3 | | 9.5 | 42 | 4.3 | 18.9 | | 9.1 | | 55.7 | 58.0 | | 8.9 | 9 | 27.3 | 11.7 | | 9.4 | 26 | 6.5 | 50.5 | |
| 8.8 | | 23.6 | 17.7 | | 8.8 | | 28.4 | 32.7 | K | 9.5 | 57 | 3.7 | 52.9 | B | 7.3 | | 56.7 | 31.2 | L | 8.7 | | 11.9 | 48.6 | K |
| 9.3 | | 36.3 | 55.2 | | 8.6 | | 33.6 | 16.3 | | 8.5 | | 19.8 | 3.1 | L | 9.2 | 10 | 40.9 | 14.0 | | 9.3 | | 14.5 | 45.5 | |
| 6.2 | | 54.6 | 6.0 | K | 9.0 | | 43.3 | 19.3 | | 8.5 | | 24.7 | 48.0 | | 9.5 | | 44.7 | 21.1 | | 9.3 | | 18.3 | 22.1 | |
| 9.2 | 28 | 2.9 | 9.9 | K | 9.4 | 43 | 44.3 | 24.4 | | 9.4 | | 54.0 | 54.3 | a | 9.5 | | 59.4 | 0.7 | | 9.5 | | 34.0 | 9.4 | |
| 8.9 | | 11.0 | 12.0 | K | 9.3 | 44 | 14.6 | 56.9 | | 9.5 | 58 | 3.2 | 52.8 | B | 9.5 | 11 | 15.7 | 50.3 | | 9.3 | | 38.8 | 33.4 | |
| 9.1 | | 12.2 | 20.4 | | 9.0 | | 31.3 | 25.5 | | 9.2 | | 10.2 | 5.4 | | 9.5 | | 30.1 | 15.9 | B | 9.5 | | 43.6 | 8.9 | |
| 9.1 | | 13.8 | 5.9 | B | 9.2 | | 48.0 | 40.2 | B | 8.6 | | 13.7 | 39.4 | | 7.8 | | 30.2 | 22.1 | K | 9.5 | | 50.5 | 12.4 | B |
| 9.0 | | 22.0 | 38.1 | | 9.1 | | 50.5 | 54.3 | | 8.1 | | 15.7 | 30.9 | | 9.1 | | 42.7 | 30.9 | | 9.4 | | 50.7 | 16.4 | |
| 9.4 | | 28.5 | 49.0 | | 9.5 | 45 | 20.0 | 20.5 | | 9.1 | | 16.1 | 2.5 | | 8.0 | | 55.2 | 12.1 | L | 9.5 | | 53.8 | 0.9 | |
| 9.5 | | 44.4 | 8.8 | B | 9.0 | | 39.7 | 37.8 | | 9.4 | | 49.7 | 20.5 | | 9.4 | 12 | 10.1 | 52.5 | B | 9.0 | 27 | 0.4 | 42.1 | K |
| 7.8 | | 53.9 | 19.0 | K | 9.5 | | 41.6 | 57.9 | | 9.2 | | 59.6 | 10.1 | | 9.2 | | 10.5 | 26.5 | | 9.5 | | 19.2 | 41.4 | |
| 9.5 | 29 | 2.8 | 3.8 | | 8.3 | | 44.7 | 50.3 | | 9.4 | 59 | 0.0 | 4.4 | B | 9.1 | | 31.1 | 42.2 | B | 9.5 | | 42.0 | 57.2 | |
| 9.4 | | 20.8 | 32.2 | B | 9.3 | | 45.9 | 21.3 | | 8.9 | | 10.2 | 36.1 | | 9.5 | | 34.7 | 5.2 | | 9.5 | 28 | 9.7 | 57.1 | |
| 9.5 | | 45.3 | 21.4 | | 9.5 | 46 | 1.8 | 4.4 | | 9.5 | | 20.5 | 51.6 | | 9.5 | | 56.3 | 31.6 | B | 8.5 | | 45.0 | 42.5 | K |
| 7.8 | | 48.9 | 31.0 | L | 9.5 | | 42.0 | 57.0 | | 9.5 | | 26.7 | 23.2 | | 9.2 | 13 | 34.8 | 45.6 | B | 9.4 | 29 | 1.2 | 30.4 | |
| 9.0 | 30 | 10.0 | 54.0 | R | 9.4 | | 53.7 | 41.8 | | 9.5 | | 49.8 | 2.3 | | 9.0 | | 35.2 | 14.1 | | 9.4 | | 7.1 | 35.9 | |
| 9.3 | | 13.9 | 13.8 | | 9.5 | 47 | 28.3 | 42.1 | | 9.0 | 0 | 2.3 | 25.1 | K | 9.3 | | 37.2 | 33.0 | | 9.3 | | 20.4 | 57.7 | |
| 9.3 | | 37.0 | 55.5 | | 8.7 | | 32.3 | 6.9 | K | 8.1 | | 9.4 | 56.3 | | 9.1 | | 39.5 | 55.3 | | 9.2 | | 24.4 | 4.1 | |
| 9.5 | | 50.1 | 13.1 | | 9.1 | | 33.0 | 52.2 | b | 9.3 | | 10.5 | 25.1 | | 9.5 | | 54.4 | 40.8 | | 8.5 | | 27.1 | 14.0 | B |
| 9.0 | | 56.2 | 33.0 | | 9.4 | | 34.1 | 3.6 | | 9.2 | | 45.2 | 3.5 | | 8.7 | | 59.8 | 15.7 | K | 8.8 | | 34.8 | 53.9 | K |
| 9.0 | 31 | 9.0 | 23.2 | | 9.4 | | 52.2 | 35.0 | | 9.0 | | 50.0 | 10.4 | | 9.5 | 14 | 10.4 | 10.6 | | 9.5 | 30 | 11.6 | 3.3 | |
| 9.4 | | 18.0 | 25.2 | | 8.0 | | 53.0 | 28.8 | K | 9.5 | | 51.2 | 22.5 | | 9.3 | | 36.2 | 24.8 | | 9.5 | | 38.7 | 58.9 | |
| 9.3 | | 32.8 | 45.8 | B | 9.4 | | 58.9 | 10.9 | B | 8.6 | 1 | 1.0 | 46.2 | K | 9.5 | | 48.9 | 6.5 | | 9.5 | | 40.0 | 52.6 | |
| 8.8 | | 53.6 | 26.7 | Kb | 9.5 | 48 | 27.3 | 18.4 | | 9.4 | | 3.9 | 58.3 | | 9.3 | | 50.1 | 13.1 | | 8.9 | | 49.6 | 42.8 | B |
| 9.5 | 32 | 3.1 | 8.7 | | 9.2 | | 35.8 | 2.3 | | 9.1 | 2 | 39.0 | 36.4 | | 8.8 | 15 | 47.7 | 33.7 | | 9.4 | | 51.5 | 7.4 | |
| 9.3 | | 22.7 | 22.6 | | 8.0 | | 42.5 | 27.7 | K | 9.5 | | 41.7 | 6.8 | | 9.3 | | 49.3 | 6.2 | | 9.2 | 31 | 3.0 | 13.3 | K |
| 8.7 | | 36.0 | 55.6 | K | 6.8 | | 51.6 | 1.7 | B | 9.3 | | 56.8 | 57.7 | | 9.5 | 16 | 15.8 | 4.0 | | 9.3 | | 4.6 | 42.7 | B |
| 9.5 | | 40.1 | 1.5 | | 8.5 | 49 | 10.9 | 54.3 | K | 9.3 | 3 | 24.1 | 24.4 | | 8.9 | | 25.7 | 30.3 | | 9.2 | | 10.6 | 31.6 | B |
| 9.5 | | 53.4 | 49.1 | | 8.4 | | 32.8 | 12.5 | | 9.0 | | 43.2 | 22.2 | | 9.2 | | 46.2 | 51.0 | | 9.2 | | 16.4 | 22.0 | |
| 8.5 | | 54.0 | 40.3 | R | 9.4 | | 42.0 | 10.6 | | 8.2 | | 48.0 | 26.1 | K | 8.0 | | 51.7 | 33.8 | | 7.5 | | 18.4 | 38.8 | K |
| 9.3 | 33 | 55.7 | 50.7 | | 9.3 | | 44.8 | 15.5 | | 9.5 | | 54.7 | 50.6 | | 9.4 | 17 | 6.2 | 20.0 | | 9.0 | | 27.2 | 28.5 | B |
| 8.0 | 34 | 8.7 | 44.8 | B | 9.1 | 50 | 48.6 | 56.8 | | 9.3 | 4 | 0.7 | 44.0 | | 9.0 | | 51.2 | 46.1 | | 9.1 | 32 | 5.1 | 34.2 | |
| 9.4 | | 33.0 | 56.5 | | 9.1 | | 50.1 | 50.3 | a | 9.5 | | 3.2 | 31.6 | | 9.3 | | 58.0 | 41.8 | | 9.0 | | 6.2 | 29.6 | |
| 9.5 | 35 | 36.6 | 59.6 | | 8.8 | | 51.5 | 36.6 | B | 8.4 | | 4.7 | 25.1 | K | 8.5 | 18 | 2.2 | 5.0 | K | 8.8 | | 17.5 | 56.7 | K |
| 9.4 | | 49.0 | 58.1 | B | 9.0 | | 59.8 | 51.2 | | 8.1 | | 14.6 | 36.4 | K | 9.2 | | 39.7 | 25.8 | b | 9.3 | | 22.4 | 40.1 | |
| 9.3 | 36 | 0.0 | 31.6 | | 8.9 | 51 | 6.4 | 53.6 | | 9.0 | | 27.2 | 23.7 | | 9.5 | | 50.7 | 20.5 | | 8.0 | | 30.1 | 21.8 | L |
| 9.5 | | 18.2 | 5.9 | | 8.5 | | 15.0 | 59.9 | K | 9.4 | | 51.1 | 53.6 | | 9.0 | | 59.0 | 43.6 | | 9.5 | | 41.5 | 4.8 | |
| 8.8 | 37 | 8.2 | 6.1 | | 9.5 | | 36.5 | 46.2 | | 9.5 | 5 | 6.5 | 29.9 | | 9.3 | 19 | 5.2 | 14.2 | | 8.8 | | 49.4 | 58.0 | Kb |
| 8.5 | | 40.0 | 29.6 | L | 8.0 | | 37.0 | 41.1 | K | 9.5 | | 9.2 | 18.6 | | 8.2 | | 14.3 | 6.8 | K | 9.4 | 33 | 10.3 | 47.7 | B |
| 8.6 | | 41.8 | 43.2 | L | 8.6 | | 38.2 | 57.0 | | 9.3 | | 44.4 | 20.0 | | 9.1 | 20 | 15.2 | 15.3 | | 9.0 | | 18.5 | 4.8 | K |
| 9.3 | | 56.9 | 50.2 | B | 9.3 | 52 | 10.0 | 24.9 | B | 9.5 | 6 | 2.2 | 13.6 | | 8.3 | | 47.2 | 44.8 | K | 9.5 | | 31.4 | 57.6 | |
| 9.5 | 38 | 0.3 | 25.2 | | 9.4 | | 27.5 | 57.6 | B | 9.5 | | 6.5 | 35.9 | | 9.2 | | 52.3 | 33.8 | | 9.5 | 34 | 20.0 | 5.3 | |
| 9.3 | | 10.7 | 5.6 | | 9.5 | | 33.9 | 35.7 | | 9.1 | | 7.8 | 58.9 | b | 9.4 | | 56.5 | 53.4 | | 9.3 | | 24.8 | 56.3 | |
| 9.3 | | 25.2 | 46.0 | B | 8.5 | | 37.0 | 59.2 | K | 9.4 | | 11.3 | 58.3 | | 9.5 | 21 | 21.3 | 6.4 | | 9.4 | | 37.9 | 51.2 | |
| 8.7 | | 39.6 | 54.2 | K | 6.8 | | 39.8 | 19.8 | K | 9.2 | | 13.1 | 7.8 | B | 7.0 | | 39.7 | 39.2 | B | 9.4 | | 49.4 | 48.2 | |
| 9.2 | | 40.5 | 42.4 | B | 9.5 | 53 | 2.6 | 2.2 | | 9.5 | | 14.2 | 44.4 | | 9.5 | | 40.8 | 59.5 | | 9.4 | 35 | 3.9 | 58.0 | |
| 9.4 | 39 | 3.7 | 40.4 | | 9.4 | | 17.8 | 7.9 | | 9.4 | | 23.2 | 2.3 | | 9.4 | 22 | 18.4 | 14.1 | B | 9.0 | | 5.5 | 31.6 | |
| 9.5 | | 3.9 | 6.9 | B | 9.2 | | 38.1 | 1.4 | | 9.4 | 7 | 2.2 | 42.3 | | 9.5 | 23 | 18.0 | 40.1 | | 8.3 | | 9.1 | 41.1 | |
| | | + | + | | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr: | | 37.23 | 2.64 | | 10pr: | | 37.82 | 2.48 | 10pr: | | 38.25 | 2.36 | 10pr: | | 38.68 | 2.22 | | 10pr: | | 39.14 | 2.04 | |

| 801—860 | | | | | 861—920 | | | | | 921—980 | | | | | 981—1040 | | | | | 1041—1100 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3ᵐ—4ᵐ | | +38° | | | 4ᵐ | | +38° | | | 4ᵐ | | +38° | | | 4ᵐ | | +38° | | | 4ᵐ—5ᵐ | | +38° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.2 | 35 | 50.5 | 22.6 | | 6.7 | 4 | 25.6 | 5.8 | K | 7.7 | 28 | 51.5 | 8.7 | K | 9.5 | 47 | 19.3 | 23.4 | | 7.1 | 59 | 40.6 | 29.5 | B |
| 9.0 | 36 | 4.4 | 41.1 | K | 8.9 | | 55.7 | 9.7 | K | 8.6 | 29 | 0.0 | 51.4 | K b | 9.2 | | 32.0 | 4.4 | | 9.4 | | 48.6 | 32.6 | |
| 6.5 | | 5.8 | 12.4 | K | 9.0 | 5 | 22.1 | 27.0 | | 9.5 | 30 | 2.4 | 5.2 | | 9.5 | | 42.5 | 42.9 | | 9.3 | | 49.8 | 30.8 | |
| 9.5 | | 51.9 | 3.3 | | 9.2 | | 59.8 | 37.3 | | 8.3 | 31 | 49.2 | 27.8 | | 9.3 | 48 | 2.1 | 36.3 | | 9.5 | 0 | 5.5 | 19.0 | |
| 8.8 | 37 | 37.3 | 43.4 | K | 9.5 | 6 | 10.4 | 9.5 | | 9.5 | 32 | 10.9 | 4.4 | | 8.3 | | 27.3 | 29.6 | | 8.4 | | 8.8 | 10.6 | b |
| 9.1 | | 37.4 | 41.7 | K | 9.0 | | 12.7 | 54.9 | | 8.5 | | 49.3 | 5.6 | K | 8.9 | 49 | 2.8 | 23.2 | | 9.5 | | 24.3 | 5.2 | |
| 9.5 | | 58.8 | 42.5 | | 9.5 | 7 | 0.6 | 29 3 | | 7.0 | 33 | 0.2 | 8.4 | K | 9.0 | | 4.9 | 41.0 | | 9.1 | | 25.6 | 58.8 | |
| 8.3 | 38 | 52.7 | 55.6 | K | 9.5 | | 5.4 | 55.1 | | 9.4 | | 7.1 | 46.7 | | 8.8 | | 28.2 | 19.1 | B | 8.9 | | 27.2 | 9.9 | K |
| 9.5 | 39 | 18.1 | 36.4 | | 9.4 | 9 | 13.6 | 45.8 | | 9.5 | | 9.0 | 11.1 | | 9.3 | | 35.7 | 53.9 | | 9.1 | | 47.3 | 59.3 | |
| 9.1 | | 53.9 | 38.8 | | 9.4 | | 14.1 | 50.4 | | 9.5 | | 15.9 | 54.5 | | 8.8 | | 47.3 | 59.0 | | 9.5 | 1 | 4.1 | 33.4 | |
| 8.8 | | 59.5 | 30.9 | | 9.4 | | 26.5 | 28.5 | | 9.3 | | 42.4 | 26.1 | | 9.3 | 50 | 2.5 | 7.5 | | 9.1 | | 19.5 | 56.7 | |
| 9.1 | 40 | 4.8 | 43.8 | | 8.8 | | 44.0 | 54.3 | | 9.2 | 34 | 20.7 | 41.3 | B | 9.5 | | 5.7 | 26.7 | | 9.5 | | 23.4 | 16.0 | |
| 9.4 | 41 | 18.8 | 55.6 | B | 8.0 | 10 | 2.0 | 56.8 | K | 8.3 | | 41.7 | 26.7 | K | 8.4 | | 36.3 | 35.1 | K | 9.5 | | 24.9 | 21.5 | |
| 9.1 | | 57.0 | 16.4 | B | 9.5 | | 25.0 | 48.3 | | 9.2 | 35 | 20.4 | 3.6 | | 9.0 | | 49.8 | 59.4 | | 9.5 | | 35.8 | 16.0 | |
| 8.5 | 42 | 47.5 | 22.8 | K | 8.5 | | 25.0 | 0.4 | K | 8.8 | | 46.8 | 50.9 | | 9.4 | | 52.6 | 16.0 | | 9.2 | | 44.7 | 35.3 | |
| 8.5 | 43 | 6.8 | 5.7 | | 7.4 | 11 | 12.3 | 13.0 | L | 8.5 | 36 | 25.5 | 57.5 | K | 9.1 | 51 | 9.3 | 44.6 | | 9.4 | 2 | 3.0 | 12.1 | |
| 9.0 | | 36.4 | 30.3 | | 9.0 | | 45.3 | 36.5 | K | 9.3 | 37 | 9.6 | 29.3 | | 8.7 | | 9.8 | 11.4 | | 9.5 | | 5.3 | 49.1 | |
| 9.4 | 44 | 15.3 | 36.0 | | 9.4 | 12 | 52.5 | 40.4 | B | 9.5 | | 43.4 | 28.3 | | 9.1 | | 16.3 | 6.7 | | 9.2 | | 10.1 | 56.2 | |
| 8.0 | | 30.0 | 6.8 | K | 9.5 | 13 | 10.1 | 16.0 | | 9.3 | | 46.1 | 47.0 | | 9.2 | | 18.2 | 0.1 | | 9.2 | | 23.9 | 7.2 | |
| 8.3 | | 31.1 | 5.5 | B | 9.4 | | 39.0 | 46.6 | | 9.0 | 38 | 1.0 | 58.1 | K | 8.9 | | 21.5 | 6.7 | | 8.4 | | 30.1 | 29.4 | |
| 9.5 | 47 | 3.3 | 57.7 | | 9.5 | | 42.9 | 3.8 | | 9.3 | | 59.8 | 43.2 | | 9.3 | | 25.0 | 36.3 | | 9.1 | | 33.8 | 5.4 | |
| 8.9 | | 9.6 | 17.2 | | 9.2 | | 56.9 | 53.8 | | 8.6 | 39 | 4.3 | 57.6 | K | 9.3 | | 35.7 | 52.6 | B | 9.5 | | 34.8 | 15.5 | |
| 8.5 | | 12.9 | 2.0 | K | 8.5 | | 57.4 | 31.2 | K | 9.4 | | 23.7 | 58.1 | | 9.2 | | 45.3 | 5.4 | | 5.2 | 3 | 31.3 | 18.3 | K |
| 8.8 | | 14.6 | 24.1 | | 9.5 | 14 | 8.5 | 34.0 | | 8.7 | | 36.8 | 58.7 | K | 7.8 | | 48.4 | 33.8 | L | 9.3 | | 39.4 | 47.7 | |
| 9.5 | | 37.5 | 7.5 | | 9.0 | | 12.0 | 31.2 | | 9.5 | | 43.4 | 3.8 | | 8.7 | | 55.3 | 6.7 | | 8.5 | | 46.7 | 50.2 | |
| 9.3 | 48 | 20.4 | 15.7 | | 7.8 | 15 | 32.4 | 42.5 | K | 9.2 | | 57.8 | 40.0 | | 9.0 | 52 | 25.1 | 45.2 | | 9.1 | | 48.3 | 8.9 | |
| 6.5 | | 51.4 | 24.6 | K | 9.5 | | 42.6 | 4.4 | | 9.2 | 40 | 23.0 | 28.7 | | 9.4 | | 28.2 | 44.5 | | 9.5 | 4 | 1.3 | 42.5 | |
| 9.4 | 49 | 59.8 | 30.3 | | 8.6 | | 53.6 | 18.9 | B | 9.4 | | 46.9 | 43.5 | | 9.5 | | 34.4 | 11.2 | | 9.4 | | 16.5 | 42.0 | |
| 6.8 | 50 | 3.1 | 23.4 | G | 9.5 | | 56.2 | 23.5 | | 9.5 | 41 | 21.3 | 22.8 | | 9.5 | 53 | 12.9 | 13.0 | | 9.5 | | 17.6 | 18.3 | |
| 9.4 | | 19.1 | 38.8 | | 9.1 | 16 | 23.1 | 52.9 | | 9.5 | | 35.2 | 0.9 | | 9.5 | | 24.5 | 51.3 | | 9.4 | | 33.5 | 1.9 | a |
| 9.0 | | 24.8 | 5.0 | | 9.5 | | 48.0 | 24.3 | | 9.5 | | 55.5 | 20.7 | | 9.4 | | 41.3 | 28.2 | | 8.6 | | 39.3 | 3.2 | K |
| 7.3 | 51 | 57.3 | 14.7 | K | 9.3 | 17 | 40.7 | 57.6 | | 9.3 | 42 | 21.3 | 19.1 | | 8.2 | 54 | 8.6 | 39.4 | K | 8.9 | | 46.4 | 4.2 | K |
| 9.4 | 52 | 3.2 | 44.7 | B | 9.4 | | 53.5 | 40.2 | | 9.5 | | 27.7 | 12.3 | B | 9.5 | | 28.4 | 24.2 | | 9.5 | | 46.5 | 10.6 | |
| 7.3 | | 48.8 | 40.6 | K | 9.5 | 18 | 7.0 | 13.1 | | 9.5 | | 28.5 | 52.7 | | 9.2 | 55 | 9.8 | 8.6 | b | 9.5 | 5 | 14.1 | 33.8 | |
| 8.9 | 53 | 32.1 | 33.5 | | 9.5 | | 34.4 | 12.7 | | 8.8 | | 43.3 | 15.1 | K | 9.5 | | 45.3 | 8.1 | | 9.4 | | 16.0 | 54.1 | |
| 7.4 | 54 | 44.3 | 23.3 | K | 8.4 | | 37.6 | 6.5 | K | 9.3 | | 56.9 | 21.3 | | 9.5 | | 49.7 | 21.9 | | 9.3 | | 29.3 | 50.2 | |
| 9.0 | | 57.8 | 27.9 | | 9.5 | 19 | 24.8 | 36.0 | B | 9.5 | 43 | 8.3 | 50.5 | | 9.5 | | 50.9 | 43.4 | | 9.3 | | 29.3 | 49.7 | |
| 8.0 | 55 | 4.1 | 29.9 | K | 9.1 | | 51.4 | 44.9 | | 9.5 | | 10.1 | 3.0 | | 9.5 | 56 | 17.5 | 57.5 | | 9.2 | | 35.6 | 41.0 | |
| 9.3 | | 50.9 | 13.0 | | 8.0 | | 54.5 | 27.5 | K | 9.5 | | 17.5 | 10.9 | | 8.4 | | 26.7 | 30.8 | K | 9.0 | | 41.7 | 21.8 | |
| 9.4 | 56 | 58.2 | 51.9 | | 9.5 | 20 | 23.8 | 21.9 | | 9.4 | | 19.0 | 10.1 | B | 7.7 | | 39.3 | 19.2 | L | 9.0 | | 43.5 | 11.1 | |
| 8.3 | 57 | 28.1 | 3.8 | K b | 9.0 | | 24.4 | 39.7 | | 9.5 | | 24.4 | 27.0 | | 9.5 | | 45.8 | 22.9 | | 9.3 | 6 | 3.6 | 2.2 | |
| 9.1 | 58 | 3.2 | 51.4 | | 9.5 | | 27.7 | 45.1 | | 9.2 | | 49.4 | 45.9 | | 9.5 | | 45.8 | 36.7 | | 9.5 | | 4.3 | 54.1 | |
| 9.1 | | 21.8 | 21.7 | | 8.8 | | 43.2 | 53.9 | | 8.7 | | 55.3 | 31.4 | K | 9.3 | | 50.4 | 54.9 | | 9.2 | | 5.5 | 13.1 | |
| 9.5 | 59 | 8.2 | 17.4 | B | 9.0 | | 52.4 | 33.3 | | 9.5 | | 57.6 | 1.1 | B | 9.0 | 57 | 29.7 | 37.9 | | 9.0 | | 20.7 | 34.4 | |
| 8.5 | | 16.4 | 54.7 | | 8.3 | 21 | 39.5 | 23.6 | K | 9.1 | 44 | 2.5 | 47.7 | | 9.0 | | 31.0 | 38.1 | | 9.5 | | 34.9 | 18.3 | |
| 9.2 | | 49.4 | 58.7 | | 9.5 | 22 | 9.0 | 8.0 | | 9.5 | | 8.6 | 34.0 | | 9.5 | | 31.7 | 45.0 | | 9.5 | | 37.4 | 36.6 | |
| 9.5 | 0 | 35.3 | 33.9 | | 8.0 | | 35.7 | 29.1 | K | 9.2 | | 27.3 | 54.9 | | 9.4 | | 38.8 | 59.8 | | 8.5 | | 41.3 | 52.6 | 8 |
| 6.8 | | 38.5 | 51.8 | K b | 9.5 | | 58.8 | 56.4 | | 9.2 | | 37.4 | 30.5 | | 9.5 | | 47.0 | 30.4 | | 9.1 | | 47.4 | 27.0 | K |
| 9.5 | | 57.0 | 55.1 | | 9.5 | 23 | 53.7 | 16.0 | | 8.9 | | 49.0 | 47.5 | K | 9.2 | | 51.7 | 46.1 | | 9.0 | | 48.3 | 2.5 | |
| 7.5 | | 57.7 | 6.1 | L | 9.5 | | 55.8 | 56.5 | | 9.4 | | 59.0 | 44.5 | | 9.5 | 58 | 1.9 | 23.4 | | 9.3 | | 56.0 | 51.7 | |
| 9.3 | 1 | 45.9 | 48.4 | | 9.2 | 24 | 53.8 | 5.5 | | 9.1 | | 59.3 | 10.1 | | 9.5 | | 14.8 | 51.1 | | 9.5 | | 57.5 | 29.0 | |
| 9.5 | | 50.2 | 7.5 | | 8.7 | 25 | 2.0 | 51.4 | K | 8.8 | 45 | 0.6 | 31.6 | | 8.5 | | 18.7 | 50.4 | | 9.5 | 7 | 0.0 | 10.9 | |
| 8.8 | | 55.7 | 51.9 | B | 9.3 | | 21.9 | 32.1 | | 9.0 | | 25.3 | 31.8 | | 8.4 | | 23.3 | 26.7 | | 9.4 | | 7.3 | 1.3 | |
| 9.5 | 2 | 50.5 | 59.3 | | 9.5 | | 23.4 | 18.1 | | 9.5 | | 28.8 | 33.5 | | 9.4 | | 34.5 | 41.7 | | 9.3 | | 13.6 | 8.0 | |
| 9.1 | | 53.0 | 25.1 | b | 8.1 | | 25.6 | 34.9 | L | 9.5 | | 39.5 | 23.1 | | 9.2 | 59 | 9.1 | 48.5 | a | 9.5 | | 14.1 | 4.5 | |
| 9.4 | 3 | 7.4 | 34.4 | | 8.8 | | 29.8 | 38.1 | | 9.5 | | 51.3 | 52.5 | | 9.5 | | 14.4 | 17.9 | | 9.3 | | 16.9 | 37.6 | |
| 9.2 | | 10.5 | 13.7 | | 8.5 | | 45.0 | 9.8 | B | 8.7 | 46 | 9.3 | 26.9 | L | 9.5 | | 21.4 | 3.3 | | 9.5 | | 37.1 | 0.5 | |
| 9.4 | | 30.3 | 22.5 | | 9.5 | 26 | 0.2 | 51.7 | | 9.5 | | 30.0 | 53.0 | | 9.5 | | 27.9 | 50.3 | | 9.2 | | 50.5 | 10.7 | |
| 9.0 | | 47.5 | 9.3 | | 8.9 | | 30.0 | 51.3 | | 8.7 | | 39.4 | 26.9 | L | 9.5 | | 32.8 | 9.9 | | 9.4 | | 54.7 | 32.9 | |
| 9.1 | 4 | 17.2 | 17.9 | B | 9.5 | 28 | 23.1 | 45.8 | | 8.7 | 47 | 5.9 | 41.2 | K | 8.5 | | 32.9 | 49.4 | | 9.5 | | 55.6 | 15.4 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 39.70 | 1.80 | | 10pr. | | 40.29 | 1.45 | | 10pr. | | 40.74 | 1.12 | | 10pr. | | 40.91 | 0.96 | | 10pr. | | 41.04 | 0.80 | |

1101—1160

| m | 5ª | +38° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 8 10.3 | 10.7 | |
| 9.5 | 10.3 | 7.5 | |
| 9.5 | 11.4 | 55.8 | |
| 9.5 | 13.4 | 26.7 | |
| 8.8 | 18.2 | 49.6 | K |
| 9.4 | 30.5 | 50.4 | |
| 9.1 | 39.3 | 57.0 | |
| 8.5 | 42.2 | 32.9 | |
| 8.9 | 55.0 | 51.0 | |
| 9.5 | 59.1 | 17.5 | |
| 9.3 | 9 2.8 | 51.1 | |
| 8.7 | 5.4 | 44.0 | |
| 8.4 | 10.8 | 55.8 | K |
| 9.5 | 13.5 | 54.1 | |
| 9.2 | 35.1 | 1.0 | |
| 9.3 | 47.0 | 11.0 | |
| 9.4 | 54.3 | 45.0 | |
| 9.2 | 57.8 | 6.0 | |
| 9.4 | 10 0.0 | 59.7 | |
| 9.2 | 10.9 | 41.2 | |
| 9.5 | 19.5 | 48.9 | |
| 9.4 | 20.3 | 39.5 | |
| 9.2 | 33.1 | 18.5 | |
| 9.2 | 43.3 | 21.5 | |
| 9.2 | 46.3 | 20.8 | |
| 8.9 | 48.0 | 6.5 | |
| 9.3 | 55.9 | 44.8 | |
| 9.5 | 11 31.2 | 38.2 | |
| 9.5 | 12 3.7 | 15.9 | |
| 9.4 | 7.0 | 5.8 | |
| 9.0 | 11.9 | 51.2 | |
| 9.3 | 27.9 | 50.7 | |
| 9.4 | 32.2 | 48.0 | |
| 9.5 | 47.4 | 43.8 | |
| 9.5 | 13 8.1 | 59.5 | |
| 9.5 | 12.9 | 56.1 | |
| 8.9 | 24.2 | 54.1 | |
| 9.5 | 27.1 | 37.5 | |
| 9.4 | 46.3 | 53.6 | |
| 9.5 | 49.5 | 10.7 | |
| 9.5 | 54.6 | 9.6 | |
| 8.9 | 57.3 | 14.8 | |
| 9.5 | 14 3.6 | 56.6 | |
| 8.3 | 11.8 | 25.4 | |
| 9.3 | 18.0 | 17.7 | |
| 9.0 | 38.9 | 47.7 | |
| 9.2 | 41.4 | 2.3 | |
| 9.2 | 44.5 | 12.2 | |
| 9.5 | 50.3 | 43.8 | |
| 8.5 | 58.9 | 14.4 | |
| 9.0 | 15 8.8 | 59.9 | K |
| 9.5 | 11.7 | 50.2 | |
| 9.2 | 12.4 | 54.2 | |
| 9.4 | 28.1 | 41.9 | |
| 8.7 | 51.3 | 25.0 | |
| 9.1 | 16 5.3 | 12.6 | |
| 8.8 | 10.0 | 41.7 | |
| 9.4 | 30.0 | 21.0 | |
| 8.2 | 45.5 | 49.3 | K |
| 9.1 | 17 15.3 | 27.1 | b |

10 pr. 41.12 0.69

1161—1220

| m | 5ª | +38° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 17 28.0 | 51.8 | |
| 9.4 | 43.5 | 50.9 | |
| 9.5 | 54.4 | 25.7 | |
| 9.5 | 18 5.3 | 3.8 | |
| 8.3 | 23.8 | 10.4 | |
| 9.5 | 43.5 | 59.5 | |
| 9.5 | 52.9 | 29.6 | |
| 9.5 | 19 0.1 | 55.3 | |
| 9.5 | 1.2 | 2.0 | ✓ |
| 8.7 | 13.4 | 40.0 | |
| 9.2 | 18.8 | 3.0 | |
| 9.1 | 18.9 | 27.6 | |
| 9.0 | 21.3 | 34.3 | |
| 9.5 | 28.7 | 56.4 | |
| 8.9 | 31.4 | 31.8 | |
| 9.0 | 31.6 | 40.9 | |
| 9.3 | 34.8 | 6.1 | |
| 8.8 | 41.2 | 47.2 | |
| 9.5 | 52.3 | 23.2 | |
| 9.5 | 52.4 | 20.2 | |
| 8.9 | 54.0 | 53.3 | |
| 9.0 | 20 15.2 | 16.7 | K |
| 8.9 | 16.0 | 11.3 | K |
| 9.2 | 21.3 | 10.6 | |
| 9.5 | 26.7 | 18.5 | |
| 9.5 | 48.4 | 2.4 | |
| 9.2 | 53.8 | 34.2 | |
| 9.1 | 59.1 | 20.2 | |
| 8.7 | 21 6.3 | 47.1 | |
| 8.8 | 8.4 | 26.2 | |
| 9.5 | 11.5 | 44.0 | |
| 9.5 | 22.3 | 23.5 | |
| 7.6 | 29.8 | 12.4 | K |
| 9.5 | 39.4 | 35.9 | |
| 9.3 | 50.8 | 31.6 | |
| 9.5 | 22 16.3 | 13.0 | |
| 9.5 | 22.2 | 50.4 | |
| 9.5 | 22.2 | 47.0 | |
| 9.5 | 30.0 | 16.0 | |
| 9.5 | 42.4 | 24.4 | |
| 9.4 | 23 0.0 | 23.9 | |
| 9.5 | 22.9 | 23.2 | |
| 9.5 | 25.9 | 12.1 | |
| 8.0 | 26.8 | 40.3 | K |
| 8.2 | 44.8 | 46.2 | Kb |
| 9.3 | 45.9 | 50.9 | |
| 9.5 | 55.3 | 36.3 | |
| 9.4 | 24 9.7 | 7.2 | |
| 9.5 | 14.2 | 3.0 | |
| 9.2 | 31.3 | 20.5 | |
| 9.0 | 37.5 | 22.7 | |
| 9.5 | 25 5.1 | 19.7 | |
| 9.4 | 36.3 | 10.3 | |
| 8.6 | 44.7 | 14.0 | |
| 9.5 | 50.3 | 20.7 | |
| 8.1 | 55.4 | 55.5 | K |
| 8.8 | 26 16.7 | 6.8 | |
| 8.1 | 19.3 | 55.6 | K |
| 9.4 | 27.2 | 57.1 | |
| 9.2 | 29.4 | 43.9 | |

10 pr. 41.20 0.56

1221—1280

| m | 5ª | +38° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.2 | 26 41.1 | 48.8 | |
| 8.7 | 41.5 | 28.8 | K |
| 9.5 | 46.9 | 47.6 | |
| 9.5 | 54.9 | 23.1 | |
| 9.2 | 55.8 | 44.7 | |
| 8.0 | 57.5 | 13.8 | Gb |
| 9.2 | 27 11.8 | 58.6 | |
| 8.5 | 12.9 | 54.3 | K |
| 9.5 | 31.7 | 9.4 | |
| 9.5 | 42.0 | 36.3 | |
| 9.2 | 50.6 | 27.9 | |
| 9.2 | 56.7 | 17.3 | |
| 9.5 | 28 3.5 | 8.1 | |
| 9.5 | 7.3 | 5.7 | |
| 8.4 | 17.3 | 30.6 | |
| 9.5 | 42.0 | 20.5 | |
| 9.4 | 45.8 | 6.4 | |
| 9.3 | 29 11.4 | 45.9 | |
| 8.3 | 16.1 | 27.4 | G |
| 9.3 | 18.5 | 38.5 | |
| 8.0 | 27.2 | 24.8 | G |
| 9.1 | 28.0 | 15.0 | |
| 9.5 | 32.1 | 1.0 | |
| 9.5 | 40.4 | 12.3 | |
| 9.4 | 49.0 | 38.5 | |
| 9.3 | 30 33.6 | 21.0 | |
| 8.4 | 58.1 | 57.9 | |
| 7.7 | 31 1.1 | 25.9 | B |
| 8.0 | 24.0 | 49.2 | K |
| 8.0 | 35.3 | 6.2 | K |
| 8.4 | 39.3 | 57.9 | K |
| 9.5 | 46.4 | 45.9 | |
| 9.3 | 57.1 | 26.4 | |
| 9.5 | 32 4.5 | 56.2 | |
| 9.5 | 20.8 | 45.0 | |
| 9.5 | 20.8 | 29.6 | |
| 9.4 | 22.5 | 26.8 | |
| 7.7 | 22.8 | 7.4 | G |
| 9.1 | 24.6 | 59.8 | K |
| 9.5 | 29.9 | 34.8 | |
| 7.4 | 50.7 | 7.3 | Gb |
| 9.5 | 51.5 | 6.9 | |
| 9.3 | 33 9.4 | 14.9 | |
| 9.5 | 19.3 | 36.9 | |
| 9.4 | 32.0 | 5.3 | |
| 8.3 | 33.3 | 16.3 | |
| 8.6 | 34.1 | 0.3 | K |
| 9.5 | 54.5 | 16.3 | |
| 8.2 | 34 6.4 | 10.6 | K |
| 9.5 | 8.6 | 28.6 | |
| 9.5 | 8.9 | 35.5 | |
| 9.2 | 17.3 | 11.0 | K |
| 9.5 | 24.7 | 48.2 | |
| 9.2 | 34.6 | 2.3 | |
| 9.5 | 50.0 | 54.1 | |
| 9.5 | 52.1 | 17.5 | |
| 7.5 | 59.0 | 25.4 | K |
| 8.8 | 35 5.1 | 2.5 | |
| 9.4 | 11.4 | 43.2 | |
| 9.0 | 21.0 | 54.1 | K |

10 pr. 41.27 0.42

1281—1340

| m | 5ª | +38° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 35 33.3 | 13.5 | |
| 9.3 | 52.5 | 17.0 | |
| 8.8 | 36 19.6 | 4.4 | |
| 9.5 | 23.7 | 32.6 | |
| 9.4 | 46.3 | 53.4 | |
| 8.9 | 37 4.3 | 9.7 | |
| 8.8 | 6.4 | 1.5 | K |
| 9.3 | 14.9 | 7.7 | |
| 8.4 | 18.8 | 55.7 | K |
| 9.3 | 25.1 | 33.7 | |
| 8.7 | 33.0 | 36.8 | |
| 9.0 | 37.8 | 6.7 | K |
| 9.5 | 49.7 | 58.6 | |
| 8.8 | 38 14.4 | 48.5 | K |
| 9.4 | 19.4 | 17.2 | |
| 9.5 | 24.8 | 46.6 | |
| 8.7 | 30.3 | 24.4 | |
| 8.8 | 45.5 | 55.8 | |
| 9.5 | 55.0 | 12.4 | |
| 9.0 | 39 3.9 | 51.4 | |
| 8.5 | 11.8 | 18.1 | K |
| 9.5 | 14.3 | 25.3 | |
| 7.0 | 21.1 | 41.0 | K |
| 9.5 | 40.0 | 39.5 | |
| 7.9 | 41.3 | 38.3 | K |
| 9.5 | 47.8 | 40.2 | |
| 9.5 | 55.7 | 54.2 | |
| 9.5 | 40 7.0 | 5.5 | |
| 9.5 | 12.9 | 16.9 | |
| 9.5 | 45.3 | 10.5 | |
| 9.1 | 41 6.4 | 35.7 | |
| 9.5 | 23.9 | 50.9 | |
| 9.2 | 24.8 | 11.4 | |
| 9.5 | 42.9 | 13.7 | |
| 8.5 | 47.7 | 43.9 | L |
| 9.0 | 55.5 | 40.1 | |
| 9.5 | 42 10.4 | 6.4 | |
| 7.2 | 14.6 | 31.1 | K |
| 9.3 | 30.2 | 23.2 | |
| 9.5 | 43 10.3 | 11.6 | |
| 8.6 | 19.3 | 15.0 | |
| 9.5 | 30.1 | 54.0 | |
| 9.1 | 43.9 | 48.9 | |
| 9.1 | 44.5 | 39.3 | |
| 8.5 | 44 22.8 | 33.6 | K |
| 8.5 | 23.3 | 33.1 | K |
| 9.4 | 26.8 | 51.7 | |
| 9.4 | 56.3 | 34.2 | |
| 9.3 | 46 0.1 | 57.3 | |
| 9.3 | 17.5 | 20.5 | |
| 8.1 | 31.1 | 25.5 | B |
| 9.5 | 35.4 | 45.5 | |
| 7.8 | 47.0 | 33.0 | B |
| 9.5 | 57.2 | 4.7 | |
| 7.3 | 58.3 | 14.8 | L |
| 9.1 | 47 16.1 | 49.8 | |
| 7.3 | 28.2 | 36.3 | L |
| 9.5 | 30.3 | 18.1 | |
| 9.0 | 48 0.0 | 12.4 | |
| 9.2 | 18.6 | 2.4 | |

10 pr. 41.32 0.28

1341—1400

| m | 5ª—6ª | +38° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 7.0 | 48 32.3 | 51.9 | K |
| 9.5 | 44.4 | 11.1 | |
| 7.8 | 49 29.3 | 35.8 | B |
| 9.5 | 50 3.3 | 28.2 | |
| 9.5 | 3.8 | 47.5 | |
| 9.5 | 12.9 | 12.9 | |
| 8.7 | 21.3 | 32.8 | K |
| 9.5 | 26.0 | 47.7 | |
| 9.5 | 28.2 | 43.7 | |
| 8.5 | 57.8 | 4.4 | K |
| 9.5 | 51 0.4 | 34.4 | |
| 9.5 | 2.6 | 53.3 | |
| 9.4 | 5.1 | 5.7 | |
| 9.4 | 32.6 | 2.4 | |
| 9.2 | 49.8 | 36.8 | |
| 8.1 | 52 0.9 | 26.7 | K |
| 7.3 | 4.9 | 42.7 | K |
| 9.5 | 25.4 | 57.8 | |
| 9.3 | 58.1 | 44.9 | |
| 9.5 | 53 6.2 | 56.6 | |
| 9.5 | 18.6 | 50.8 | |
| 9.5 | 33.0 | 36.8 | |
| 9.4 | 54 19.5 | 36.7 | |
| 9.4 | 21.3 | 20.2 | |
| 9.4 | 32.2 | 37.5 | |
| 7.0 | 39.5 | 34.8 | L |
| 9.4 | 49.6 | 51.0 | |
| 8.8 | 55 18.1 | 23.9 | |
| 9.4 | 24.0 | 30.9 | |
| 9.3 | 31.0 | 49.9 | |
| 9.5 | 52.7 | 23.9 | |
| 9.1 | 56.5 | 49.1 | |
| 9.4 | 56 11.3 | 43.3 | B |
| 9.5 | 11.5 | 2.9 | |
| 9.3 | 26.4 | 55.5 | |
| 9.0 | 31.5 | 36.3 | |
| 6.0 | 36.5 | 29.9 | K |
| 9.3 | 39.6 | 17.0 | |
| 9.2 | 57 3.5 | 39.5 | |
| 9.5 | 4.0 | 21.1 | |
| 9.5 | 11.5 | 31.8 | |
| 7.0 | 33.5 | 5.4 | L |
| 9.4 | 48.0 | 8.4 | B |
| 9.5 | 50.1 | 0.2 | |
| 9.5 | 58 1.4 | 31.1 | |
| 9.5 | 28.9 | 44.9 | |
| 9.5 | 44.7 | 9.9 | |
| 9.5 | 59 0.5 | 7.6 | |
| 9.5 | 3.0 | 54.6 | |
| 9.0 | 32.5 | 17.3 | B |
| 7.5 | 35.5 | 19.0 | K |
| 9.5 | 38.9 | 58.0 | |
| 9.2 | 55.4 | 55.7 | |
| 9.1 | 0 3.5 | 32.6 | |
| 8.9 | 11.5 | 9.6 | |
| 9.0 | 26.4 | 56.5 | |
| 9.3 | 32.5 | 52.5 | |
| 9.4 | 43.7 | 40.0 | |
| 9.3 | 1 20.5 | 36.0 | |
| 9.5 | 21.5 | 46.4 | |

10 pr. 41.36 0.06

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ—9ᵘ | | +38° | | | 9ᵘ—10ᵘ | | +38° | | | 10ᵘ | | +38° | | | 10ᵘ—11ᵘ | | +38° | | | 11ᵘ | | +38° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.5 | 57 | 47.4 | 14.1 | | 9.5 | 36 | 26.7 | 51.7 | | 9.0 | 8 | 50.9 | 35.0 | | 9.2 | 40 | 51.9 | 56.6 | B | 8.6 | 18 | 49.6 | 31.1 | K |
| 9.5 | 59 | 52.8 | 25.0 | | 8.7 | | 53.2 | 34.1 | K | 9.5 | | 56.8 | 54.2 | | 9.3 | | 58.3 | 45.6 | | 9.5 | | 59.4 | 17.3 | |
| 9.2 | 0 | 4.6 | 37.4 | | 9.4 | 37 | 8.6 | 9.0 | | 9.4 | 9 | 26.5 | 22.5 | | 9.0 | | 58.3 | 28.6 | | 9.3 | 19 | 9.7 | 13.7 | B |
| 9.1 | | 28.3 | 3.0 | Kb | 9.4 | 38 | 7.4 | 19.8 | | 9.2 | | 42.5 | 52.8 | | 8.6 | 41 | 24.3 | 48.0 | K | 9.4 | | 19.2 | 3.1 | |
| 9.0 | 1 | 29.6 | 13.5 | K | 9.4 | | 16.3 | 44.3 | | 7.7 | | 49.8 | 13.7 | K | 9.3 | 42 | 1.6 | 47.3 | | 9.5 | | 35.0 | 37.8 | |
| 7.8 | | 35.3 | 55.2 | K | 9.4 | | 59.3 | 57.1 | | 9.3 | 11 | 3.0 | 54.6 | b | 9.4 | | 6.9 | 51.8 | B | 9.2 | | 35.8 | 2.6 | B |
| 8.8 | 2 | 53.1 | 8.5 | | 8.6 | 39 | 7.1 | 16.0 | | 9.5 | 12 | 3.2 | 8.2 | | 9.5 | | 11.0 | 13.9 | | 7.0 | | 55.6 | 44.3 | K |
| 9.3 | 3 | 3.3 | 33.8 | | 9.3 | | 24.6 | 35.2 | B | 9.5 | | 6.2 | 2.4 | | 9.5 | 44 | 53.5 | 58.0 | | 9.3 | 20 | 55.6 | 3.4 | |
| 9.2 | | 52.7 | 38.8 | b | 9.5 | | 30.9 | 42.1 | | 9.4 | | 34.9 | 4.2 | B | 9.5 | 45 | 38.2 | 49.1 | | 9.5 | 21 | 33.5 | 15.3 | |
| 9.5 | 4 | 5.8 | 31.6 | | 9.5 | 40 | 33.7 | 49.5 | | 9.4 | | 54.5 | 7.5 | | 9.0 | | 51.4 | 29.3 | | 7.2 | 22 | 28.9 | 44.0 | K |
| 9.3 | | 25.9 | 3.0 | | 9.5 | | 40.5 | 26.5 | | 9.0 | 13 | 55.2 | 54.7 | | 9.4 | 46 | 34.1 | 25.8 | | 9.5 | 23 | 50.0 | 34.6 | |
| 9.5 | 5 | 46.8 | 38.2 | | 9.4 | | 49.6 | 14.0 | | 9.1 | 14 | 30.5 | 56.7 | | 9.3 | | 59.9 | 35.0 | B | 9.3 | 24 | 34.1 | 59.9 | |
| 8.6 | | 57.1 | 20.9 | K | 9.5 | | 51.8 | 32.4 | | 9.5 | 15 | 25.5 | 41.5 | | 9.4 | 47 | 31.7 | 6.9 | | 9.1 | | 40.0 | 0.0 | K |
| 9.3 | | 58.4 | 39.2 | | 9.5 | 41 | 44.1 | 9.5 | | 8.3 | | 47.0 | 52.0 | Kb | 9.5 | 48 | 40.8 | 42.5 | B | 9.4 | 25 | 10.5 | 30.6 | |
| 8.5 | 6 | 0.2 | 56.7 | K | 9.0 | 42 | 28.5 | 16.9 | | 8.8 | 16 | 9.4 | 26.6 | B | 9.3 | | 41.2 | 29.3 | | 9.3 | | 14.5 | 43.9 | |
| 9.4 | | 26.5 | 1.1 | | 6.3 | 43 | 34.1 | 36.2 | Kb | 8.1 | | 31.8 | 45.0 | K | 9.4 | 49 | 6.0 | 10.6 | | 9.1 | | 29.4 | 54.0 | b |
| 8.6 | | 34.8 | 54.7 | K | 9.4 | 44 | 53.5 | 26.3 | | 9.4 | | 37.5 | 18.3 | | 8.4 | | 18.8 | 25.2 | Lb | 9.5 | | 38.8 | 22.8 | |
| 9.2 | 7 | 8.2 | 42.3 | | 8.9 | 45 | 42.2 | 9.9 | K | 9.5 | | 49.6 | 18.2 | | 9.4 | | 37.9 | 58.0 | | 9.5 | 26 | 59.8 | 53.5 | b |
| 9.5 | | 55.1 | 59.4 | | 8.4 | 46 | 5.6 | 6.9 | K | 8.6 | 17 | 33.2 | 36.8 | | 9.2 | | 52.1 | 37.6 | | 9.5 | 28 | 15.5 | 23.2 | |
| 9.3 | 8 | 47.5 | 5.9 | | 9.4 | | 10.4 | 31.3 | B | 8.6 | | 55.1 | 27.6 | | 9.5 | 50 | 41.9 | 3.1 | | 9.5 | 29 | 12.9 | 38.9 | |
| 8.5 | 9 | 25.3 | 42.7 | K | 9.5 | | 21.5 | 30.3 | | 8.8 | 18 | 45.2 | 24.0 | | 9.5 | | 46.2 | 32.5 | | 9.5 | 30 | 28.0 | 43.5 | |
| 7.8 | 11 | 3.5 | 22.8 | K | 9.0 | | 32.8 | 37.2 | | 9.0 | 20 | 14.8 | 53.5 | K | 8.7 | 51 | 21.8 | 45.5 | K | 9.3 | | 36.5 | 48.5 | b |
| 9.5 | | 7.6 | 33.0 | | 8.0 | 47 | 12.2 | 46.5 | K | 9.0 | | 50.4 | 39.5 | | 9.0 | | 27.2 | 25.1 | | 9.5 | 31 | 35.1 | 49.4 | |
| 9.5 | | 23.7 | 51.2 | | 9.1 | | 21.5 | 57.0 | | 8.8 | 21 | 8.8 | 40.1 | | 9.5 | | 58.8 | 17.4 | | 8.6 | | 58.5 | 1.0 | K |
| 6.7 | | 54.9 | 48.2 | K | 9.0 | 48 | 17.7 | 45.6 | K | 9.4 | | 46.4 | 33.4 | | 7.8 | 53 | 35.1 | 46.8 | K | 9.5 | 33 | 1.4 | 27.5 | |
| 8.6 | 14 | 9.0 | 0.6 | K | 9.1 | 49 | 5.6 | 2.0 | | 9.2 | | 47.9 | 22.7 | | 9.1 | 54 | 3.4 | 47.0 | | 9.5 | | 49.4 | 56.0 | |
| 8.8 | | 13.3 | 56.7 | K | 9.4 | | 12.3 | 6.5 | | 8.4 | | 50.2 | 27.3 | | 9.5 | 55 | 6.8 | 33.8 | | 9.5 | 34 | 17.8 | 34.7 | |
| 9.0 | 15 | 38.5 | 4.5 | K | 9.5 | | 31.8 | 21.5 | | 9.5 | | 52.1 | 45.3 | | 9.3 | | 10.8 | 54.6 | | 9.1 | | 20.5 | 9.3 | B |
| 9.1 | 16 | 36.9 | 54.6 | b | 9.3 | | 50.0 | 14.0 | | 9.5 | | 57.7 | 42.8 | | 9.4 | 57 | 58.8 | 47.0 | | 9.3 | | 25.4 | 48.1 | Bb |
| 7.8 | | 37.7 | 31.3 | L | 8.9 | 50 | 33.9 | 27.8 | Kb | 9.3 | 22 | 12.9 | 42.1 | B | 9.4 | 58 | 50.3 | 33.2 | B | 9.2 | | 35.5 | 2.4 | |
| 9.5 | 17 | 14.6 | 47.2 | | 9.4 | | 36.5 | 11.3 | B | 9.5 | | 50.1 | 6.4 | | 8.8 | 0 | 19.7 | 46.3 | K | 8.7 | 35 | 28.8 | 3.4 | K |
| 9.4 | 18 | 7.7 | 50.2 | | 9.5 | 51 | 23.8 | 44.1 | | 8.8 | 24 | 53.4 | 25.3 | K | 9.3 | 1 | 33.3 | 52.7 | | 8.6 | | 51.1 | 3.9 | K |
| 9.4 | 19 | 2.6 | 8.7 | | 8.5 | 53 | 13.6 | 25.6 | K | 9.0 | 25 | 28.1 | 41.2 | | 8.8 | 2 | 47.4 | 43.0 | K | 8.5 | 36 | 40.6 | 20.3 | K |
| 9.5 | | 24.6 | 52.0 | B | 7.8 | 54 | 12.3 | 36.3 | K | 9.2 | | 49.1 | 46.2 | B | 9.1 | 3 | 18.7 | 50.7 | | 9.1 | | 43.5 | 46.2 | B |
| 9.4 | | 35.3 | 6.5 | | 9.3 | 55 | 6.7 | 12.3 | B | 9.3 | | 52.5 | 35.2 | | 8.4 | | 25.4 | 28.1 | K | 8.4 | 37 | 12.3 | 44.0 | K |
| 9.2 | | 42.5 | 2.5 | b | 6.5 | | 13.2 | 45.5 | K | 9.5 | 26 | 36.6 | 57.3 | B | 9.1 | 5 | 16.3 | 57.2 | b | 9.5 | 38 | 27.0 | 18.3 | |
| 9.5 | | 54.9 | 41.7 | | 9.4 | | 27.6 | 37.4 | | 9.5 | 27 | 14.8 | 7.4 | | 9.5 | 6 | 30.5 | 12.0 | | 9.3 | | 56.2 | 25.0 | |
| 9.3 | 20 | 18.4 | 53.2 | | 8.4 | 56 | 37.1 | 20.7 | K | 9.4 | | 57.8 | 36.5 | | 9.5 | 7 | 0.0 | 8.7 | | 9.3 | 40 | 44.2 | 37.2 | |
| 9.1 | | 27.0 | 40.7 | B | 9.5 | | 50.4 | 3.6 | | 8.9 | 28 | 10.7 | 37.2 | | 7.9 | | 6.4 | 22.5 | Kb | 8.9 | | 46 3 | 11.9 | |
| 9.1 | | 56.8 | 35.7 | K | 9.5 | 57 | 34.8 | 59.5 | | 9.0 | | 20.5 | 7.0 | K | 9.1 | | 57.8 | 26.5 | | 9.5 | | 57.9 | 48.0 | B |
| 9.3 | 21 | 31.9 | 49.7 | | 9.1 | | 49.1 | 7.5 | | 9.5 | | 44.2 | 43.5 | | 8.3 | 8 | 47.9 | 11.5 | K | 9.4 | 41 | 28.1 | 49.0 | |
| 8.9 | | 55.8 | 52.8 | | 9.1 | 58 | 0.9 | 24.5 | K | 9.5 | | 58.7 | 34.0 | | 9.2 | 9 | 25.1 | 10.5 | | 9.4 | 42 | 5.2 | 5.9 | |
| 9.4 | 23 | 39.0 | 23.1 | | 8.0 | | 19.8 | 44.1 | Kb | 9.4 | 29 | 41.7 | 21.3 | | 9.1 | | 25.3 | 14.3 | | 9.2 | | 16.4 | 41.7 | K |
| 9.3 | 24 | 5.0 | 35.4 | | 8.5 | | 20.1 | 16.0 | K | 9.5 | | 59.8 | 55.4 | B | 9.5 | 10 | 54.8 | 30.2 | | 9.3 | 43 | 7.8 | 8.8 | B |
| 9.3 | | 19.2 | 37.8 | | 9.5 | 0 | 9.2 | 26.9 | | 8.5 | 30 | 35.2 | 1.0 | L | 4.8 | 11 | 12.9 | 58.7 | Kb | 6.5 | 44 | 35.6 | 45.5 | K |
| 8.5 | | 30.6 | 22.9 | | 8.3 | | 58.6 | 52.5 | K | 5.7 | | 49.8 | 38.9 | Kb | 9.5 | | 30.5 | 39.4 | | 9.3 | 45 | 29.9 | 21.9 | |
| 9.0 | 25 | 19.3 | 30.6 | | 9.1 | 1 | 6.8 | 5.1 | b | 7.8 | 31 | 30.1 | 34.9 | K | 9.5 | | 47.4 | 34.3 | | 9.5 | | 45.2 | 57.0 | |
| 9.3 | 26 | 9.5 | 29.7 | | 9.5 | | 9.4 | 21.9 | | 9.5 | 32 | 5.0 | 14.4 | | 7.5 | | 47.5 | 53.2 | K | 8.5 | 46 | 33.7 | 44.5 | K |
| 9.5 | | 26.6 | 9.9 | B | 9.1 | | 51.9 | 15.3 | | 9.5 | | 6.2 | 5.0 | | 9.5 | 13 | 38.8 | 43.2 | | 8.9 | | 52.6 | 51.0 | Kb |
| 9.2 | | 51.8 | 55.2 | | 6.0 | 2 | 37.4 | 6.9 | K | 9.8 | 33 | 9.5 | 36.6 | | 9.1 | | 46.5 | 18.5 | b | 9.4 | 47 | 38.7 | 34.1 | B |
| 9.4 | 27 | 4.3 | 44.3 | | 9.1 | 3 | 9.6 | 15.0 | | 8.9 | | 50.3 | 0.6 | K | 8.7 | 14 | 57.3 | 9.0 | Kb | 9.5 | 50 | 4.2 | 21.2 | |
| 8.2 | | 9.1 | 12.0 | K | 9.5 | 4 | 37.5 | 22.8 | | 8.0 | | 58.0 | 47.1 | L | 9.5 | 15 | 0.7 | 13.2 | B | 9.3 | | 46.9 | 22.8 | |
| 9.0 | 28 | 6.4 | 26.4 | K | 9.4 | | 45.9 | 21.0 | | 9.3 | 34 | 6.1 | 6.0 | | 9.4 | | 9.2 | 44.2 | | 9.3 | 51 | 1.3 | 44.0 | |
| 8.7 | | 23.6 | 33.4 | K | 9.5 | | 48.8 | 24.3 | | 8.5 | 35 | 59.8 | 15.9 | K | 6.8 | 16 | 2.7 | 0.8 | K | 7.8 | | 17.2 | 40.6 | K |
| 9.5 | | 52.6 | 52.2 | B | 9.5 | | 54.9 | 29.5 | | 9.1 | 36 | 0.2 | 25.9 | | 8.9 | | 14.4 | 52.2 | K | 9.2 | 52 | 12.1 | 31.1 | b |
| 9.5 | 30 | 20.7 | 37.4 | | 9.0 | 5 | 0.0 | 31.3 | | 8.0 | | 46.3 | 52.0 | K | 8.4 | | 18.5 | 30.1 | | 9.0 | | 32.7 | 53.0 | |
| 9.2 | 31 | 20.4 | 51.2 | | 8.1 | 6 | 9.4 | 40.0 | B | 9.4 | 38 | 29.2 | 17.4 | | 9.2 | | 44.1 | 38.4 | | 8.6 | 56 | 39.0 | 48.0 | K |
| 9.2 | 34 | 29.0 | 23.9 | b | 9.5 | | 24.5 | 59.0 | | 9.5 | 39 | 30.8 | 10.4 | | 9.2 | | 52.4 | 45.2 | Kb | 9.2 | | 46.5 | 18.8 | b |
| 9.4 | 35 | 41.3 | 6.5 | | 9.3 | | 47.0 | 49.9 | K | 7.0 | 40 | 8.9 | 20.0 | B | 9.5 | 18 | 25.3 | 59.1 | | 9.2 | 57 | 14.3 | 31.3 | |
| 9.5 | | 47.8 | 33.0 | B | 9.2 | 7 | 7.8 | 49.5 | K | 9.0 | | 10.1 | 42.5 | | 9.5 | | 47.7 | 7.9 | B | 9.3 | 59 | 7.4 | 54.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 37.67 | 2.53 | | 10pr. | | 36.41 | 2.82 | | 10pr. | | 35.10 | 3.05 | | 10pr. | | 33.49 | 3.23 | | 10pr. | | 31.88 | 3.32 | |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ | | +38° | | | 12ᵘ—13ᵘ | | +38° | | | 13ᵘ | | +38° | | | 13ᵘ—14ᵘ | | +38° | | | 14ᵘ | | +38° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | |
| 9.2 | 0 | 46.6 | 23.3 | K | 8.7 | 36 | 10.1 | 51.4 | B | 9.5 | 10 | 37.8 | 44.7 | | 8.9 | 43 | 10.7 | 36.3 | K | 7.5 | 11 | 58.4 | 19.9 | K |
| 9.5 | | 48.7 | 34.9 | B | 9.2 | | 56.0 | 52.2 | B | 8.2 | | 59.9 | 18.3 | B | 7.8 | | 12.9 | 1.0 | K | 9.2 | 13 | 15.5 | 35.3 | |
| 9.5 | 1 | 9.8 | 52.5 | | 9.5 | | 59.2 | 45.0 | | 9.5 | 11 | 15.4 | 1.9 | | 9.4 | 44 | 22.6 | 23.7 | | 9.3 | | 16.4 | 32.4 | |
| 8.5 | | 28.8 | 39.3 | K | 9.5 | 37 | 18.5 | 7.4 | B | 9.5 | | 27.3 | 12.8 | | 9.4 | | 24.7 | 13.5 | | 7.5 | | 27.5 | 16.9 | K |
| 9.5 | 2 | 16.0 | 33.5 | | 9.5 | 38 | 29.8 | 51.1 | | 9.5 | | 36.1 | 55.0 | | 8.0 | 45 | 11.4 | 25.7 | K | 9.0 | | 47.6 | 37.3 | K |
| 9.5 | | 50.4 | 27.0 | | 8.1 | | 42.2 | 58.6 | K | 9.5 | | 38.7 | 15.8 | | 9.5 | 46 | 22.3 | 33.0 | | 9.4 | 14 | 6.5 | 18.5 | |
| 9.5 | 3 | 14.0 | 21.9 | | 9.5 | 39 | 9.4 | 31.6 | | 9.3 | | 46.5 | 42.6 | | 9.0 | 47 | 41.2 | 35.6 | K♭ | 9.2 | | 13.9 | 5.5 | |
| 9.5 | | 46.0 | 42.5 | | 9.2 | | 52.6 | 1.4 | ♭ | 8.5 | 12 | 23.9 | 8.8 | | 9.2 | | 54.2 | 52.3 | | 9.1 | | 22.0 | 37.0 | |
| 9.5 | 4 | 44.4 | 9.6 | | 9.5 | 40 | 44.8 | 36.1 | | 9.5 | 13 | 2.5 | 27.0 | | 8.5 | | 58.7 | 57.8 | K | 8.0 | 15 | 9.5 | 4.0 | K |
| 9.1 | 5 | 1.4 | 18.1 | K | 9.5 | 41 | 36.9 | 27.4 | | 9.0 | | 7.6 | 38.8 | B | 9.5 | 49 | 25.3 | 32.0 | | 9.4 | 16 | 42.7 | 37.3 | |
| 9.3 | | 15.1 | 33.5 | | 9.4 | | 49.0 | 0.7 | | 7.2 | | 31.7 | 55.7 | L | 9.5 | | 56.6 | 56.0 | B | 9.5 | 17 | 22.4 | 10.0 | |
| 9.3 | 6 | 53.5 | 50.5 | B | 9.4 | 42 | 39.6 | 15.2 | B | 8.4 | | 42.7 | 26.0 | | 9.4 | 50 | 17.2 | 32.5 | B | 9.5 | 18 | 10.1 | 29.7 | |
| 9.5 | 7 | 12.3 | 41.3 | | 6.0 | 43 | 16.1 | 19.3 | K♭ | 7.0 | 14 | 10.6 | 18.8 | K | 9.5 | | 18.0 | 11.0 | | 9.4 | | 54.4 | 34.6 | |
| 9.5 | | 50.8 | 52.7 | | 8.1 | 44 | 12.0 | 10.3 | K | 9.5 | | 11.9 | 26.8 | | 8.4 | 51 | 0.0 | 29.3 | K | 8.8 | | 58.4 | 10.5 | K |
| 9.1 | | 53.4 | 41.3 | K | 9.5 | | 52.5 | 34.3 | | 6.8 | | 36.7 | 37.1 | K | 9.1 | | 47.1 | 26.2 | K | 9.0 | 20 | 20.5 | 37.5 | K♭ |
| 8.8 | 8 | 5.4 | 16.7 | K | 8.8 | 45 | 32.8 | 1.4 | | 8.5 | | 37.7 | 33.1 | K | 9.4 | 52 | 15.0 | 37.9 | | 9.4 | 21 | 53.3 | 55.5 | B |
| 9.3 | | 13.8 | 25.7 | B | 8.3 | 46 | 42.8 | 46.1 | K | 9.5 | 15 | 59.8 | 29.6 | B | 9.0 | | 29.6 | 44.9 | K | 7.8 | 22 | 13.1 | 12.4 | B |
| 9.4 | | 54.9 | 4.7 | | 9.5 | | 59.9 | 17.4 | | 9.3 | 16 | 34.3 | 9.4 | | 9.2 | 53 | 5.3 | 35.0 | B | 9.0 | | 36.5 | 53.8 | |
| 9.3 | 9 | 21.6 | 14.6 | B | 9.5 | 47 | 4.6 | 47.2 | | 9.5 | 17 | 1.5 | 21.7 | | 9.5 | | 15.6 | 26.6 | B | 9.5 | | 43.8 | 25.0 | |
| 9.0 | | 27.3 | 26.1 | | 8.3 | 48 | 0.4 | 34.4 | K | 9.1 | | 57.2 | 3.0 | | 9.5 | | 41.3 | 31.7 | | 8.8 | 23 | 14.5 | 54.9 | K |
| 8.8 | | 38.4 | 16.2 | K | 9.5 | | 47.1 | 14.9 | B | 9.3 | 18 | 14.0 | 6.3 | | 8.9 | 54 | 10.4 | 34.9 | K | 9.2 | | 32.3 | 38.0 | |
| 9.5 | 11 | 14.0 | 58.0 | | 9.2 | 49 | 21.1 | 34.3 | B | 8.5 | | 22.7 | 17.5 | B | 8.9 | | 19.9 | 32.0 | | 9.5 | 24 | 29.0 | 32.3 | B |
| 9.4 | | 54.3 | 12.6 | | 9.4 | | 54.2 | 29.6 | | 7.6 | | 27.4 | 11.5 | K | 8.8 | | 59.2 | 53.8 | K | 9.0 | | 44.8 | 23.4 | |
| 6.5 | 13 | 1.0 | 43.2 | K | 9.4 | | 58.2 | 29.3 | B | 9.0 | | 28.5 | 16.7 | K | 9.2 | 55 | 24.4 | 4.5 | | 8.5 | 25 | 17.0 | 51.9 | K |
| 9.3 | | 46.0 | 32.0 | | 9.5 | 50 | 3.4 | 8.3 | | 9.5 | | 58.3 | 28.7 | B | 9.5 | | 34.5 | 40.8 | | 2.8 | 26 | 14.2 | 57.5 | K |
| 7.3 | | 51.5 | 50.5 | K | 9.5 | 51 | 16.5 | 2.4 | | 8.0 | 19 | 13.1 | 35.9 | K | 8.7 | 56 | 0.6 | 18.9 | B | 9.2 | | 54.2 | 20.3 | B |
| 9.4 | 17 | 4.8 | 48.1 | | 9.4 | | 31.9 | 21.8 | | 9.5 | | 14.4 | 38.9 | | 9.0 | | 4.0 | 12.7 | | 9.4 | 27 | 23.4 | 14.0 | |
| 9.4 | | 12.8 | 42.1 | | 9.1 | | 58.5 | 15.1 | B♭ | 9.0 | 20 | 45.6 | 57.8 | K♭ | 9.5 | 57 | 25.8 | 51.9 | | 9.5 | | 26.5 | 8.9 | |
| 8.8 | | 20.7 | 29.4 | K | 8.6 | 52 | 33.9 | 35.4 | K | 9.3 | | 59.6 | 43.9 | K | 9.5 | | 30.0 | 26.0 | B | 9.5 | 28 | 15.6 | 24.3 | |
| 9.3 | | 21.5 | 31.3 | K | 9.5 | 53 | 20.3 | 4.4 | | 8.5 | 22 | 46.9 | 42.4 | K | 7.8 | 58 | 2.4 | 3.6 | K | 7.5 | | 41.1 | 38.4 | K |
| 7.5 | | 57.3 | 2.3 | L | 8.8 | | 40.3 | 30.1 | B | 8.5 | 23 | 15.3 | 21.7 | K♭ | 9.3 | | 27.2 | 2.5 | | 9.2 | 29 | 3.9 | 33.9 | K |
| 9.1 | | 57.6 | 43.1 | | 8.5 | 54 | 17.3 | 10.3 | | 9.1 | 24 | 0.3 | 2.5 | | 8.8 | 59 | 32.0 | 9.0 | K | 9.3 | | 4.5 | 26.9 | |
| 8.0 | 18 | 16.8 | 13.7 | L | 9.5 | | 18.4 | 20.3 | | 9.3 | | 5.8 | 57.0 | B | 9.5 | 0 | 3.6 | 37.6 | B | 9.3 | 30 | 11.2 | 11.1 | |
| 9.5 | 19 | 7.1 | 19.2 | | 7.8 | | 35.5 | 49.4 | L | 8.3 | | 14.3 | 31.0 | | 9.1 | | 19.5 | 30.7 | ♭ | 9.5 | 31 | 35.8 | 43.0 | |
| 9.5 | | 11.1 | 7.1 | B | 9.3 | | 58.1 | 33.2 | B | 9.4 | | 57.2 | 8.4 | | 9.5 | 1 | 3.2 | 50.3 | | 9.5 | | 48.0 | 29.6 | |
| 9.5 | | 29.3 | 1.4 | | 7.0 | 55 | 36.8 | 6.8 | K | 9.5 | 25 | 24.4 | 43.0 | | 9.5 | 2 | 18.7 | 8.5 | | 8.1 | 32 | 5.5 | 1.9 | K |
| 9.4 | 20 | 14.6 | 3.0 | | 8.9 | 57 | 9.8 | 11.3 | | 8.9 | 27 | 38 5 | 22.3 | | 9.3 | 3 | 14.7 | 2.0 | | 9.5 | 33 | 46.4 | 3.7 | |
| 9.4 | | 21.5 | 22.3 | | 7.8 | 58 | 11.9 | 2.9 | K | 8.6 | 28 | 4.9 | 22.1 | | 7.5 | | 38.4 | 0.6 | K♭ | 7.0 | 34 | 12.0 | 43.1 | K |
| 9.4 | 21 | 6.6 | 49.1 | | 9.0 | | 26.8 | 10.3 | | 8.9 | | 44.4 | 0.8 | K | 9.4 | | 52.8 | 12.0 | | 7.2 | 35 | 11.8 | 46.0 | K |
| 9.3 | | 16.7 | 10.3 | | 8.5 | | 30.6 | 48.2 | | 8.6 | | 54.9 | 8.9 | B | 7.5 | 4 | 23.3 | 40.9 | K | 9.0 | | 36.5 | 53.5 | K |
| 8.9 | | 44.3 | 52.0 | K | 9.0 | 59 | 4.4 | 59.1 | K | 7.7 | 29 | 7.9 | 27.3 | K | 8.0 | | 28.0 | 10.7 | B | 9.5 | 36 | 34.1 | 2.7 | |
| 8.5 | | 49.0 | 23.9 | K | 8.5 | | 37.4 | 1.9 | K | 9.2 | | 47.9 | 25.3 | K | 9.4 | 5 | 21.9 | 9.6 | B | 9.5 | 37 | 43.2 | 36.0 | |
| 9.0 | 23 | 8.3 | 19.4 | | 7.5 | 0 | 32.7 | 2.8 | K | 9.2 | 31 | 22.5 | 10.9 | B | 9.5 | | 32.7 | 43.4 | | 9.0 | | 51.0 | 21.9 | B |
| 8.0 | | 52.5 | 57.4 | K | 9.5 | | 52.5 | 7.8 | | 9.4 | | 31.2 | 37.6 | | 9.5 | 6 | 1.7 | 23.9 | B | 9.5 | 39 | 10.1 | 31.6 | |
| 9.5 | 24 | 34.6 | 12.4 | | 9.4 | | 53.6 | 40.1 | | 8.6 | | 44.9 | 44.2 | K | 8.6 | | 2.5 | 12.4 | K | 9.4 | | 18.4 | 9.6 | |
| 9.3 | | 38.2 | 33.8 | | 9.5 | 2 | 10.4 | 47.6 | | 9.4 | 32 | 3.9 | 29.7 | | 9.4 | | 36.4 | 3.6 | | 9.4 | | 28.5 | 15.6 | B |
| 6.8 | 26 | 27.0 | 53.0 | K | 6.0 | | 59.3 | 12.7 | K | 9.0 | 33 | 37.8 | 42.9 | K | 9.1 | 7 | 3.3 | 54.8 | | 9.4 | | 52.0 | 35.8 | |
| 9.3 | 28 | 19.5 | 24.5 | B | 9.4 | 3 | 42.2 | 48.6 | | 9.0 | 34 | 59.6 | 7.1 | K | 7.9 | | 43.4 | 15.4 | L | 9.5 | | 52.5 | 50.5 | |
| 8.3 | | 46.0 | 19.4 | B♭ | 9.5 | 4 | 2.7 | 33.4 | | 9.2 | 35 | 42.0 | 16.8 | B | 8.6 | | 59.5 | 1.1 | K | 8.7 | | 59.5 | 20.7 | K♭ |
| 8.7 | | 49.0 | 34.4 | | 9.4 | | 59.4 | 25.2 | B | 9.2 | | 48.9 | 30.3 | K | 9.4 | 8 | 12.0 | 59.9 | | 9.5 | 42 | 11.5 | 40.3 | |
| 8.3 | 30 | 34.2 | 35.7 | K | 9.4 | 5 | 4.8 | 55.0 | | 8.5 | | 54.8 | 33.3 | K | 9.5 | | 39.3 | 48.9 | B | 8.2 | | 19.7 | 17.6 | K |
| 9.3 | 32 | 15.4 | 49.2 | B | var | 6 | 23.9 | 8.9 | K | 9.2 | 36 | 51.5 | 19.0 | | 9.5 | | 42.0 | 18.3 | | 9.5 | | 57.0 | 42.0 | |
| 9.5 | | 42.1 | 0.9 | | 8.3 | | 59.9 | 59.0 | B | 7.4 | | 54.1 | 59.1 | B | 9.0 | | 49.9 | 43.8 | B | 6.2 | 43 | 26.3 | 24.2 | K |
| 9.5 | 33 | 14.1 | 13.7 | | 9.1 | 7 | 3.6 | 27.3 | B | 9.5 | 37 | 5.0 | 19.0 | | 9.1 | | 57.9 | 9.2 | K | 9.4 | 44 | 53.6 | 31.8 | |
| 9.5 | 34 | 7.3 | 0.5 | | 8.9 | | 14.2 | 31.8 | K♭ | 9.5 | 38 | 17.9 | 43.2 | | 9.2 | | 58 8 | 47.5 | | 9.4 | 45 | 12.9 | 8.8 | |
| 9.5 | | 28.4 | 15.3 | | 9.5 | 8 | 31.5 | 37.6 | | 9.3 | | 57.0 | 2.5 | | 9.4 | 9 | 12.5 | 8.5 | | 9.2 | | 59.5 | 48.0 | |
| 9.0 | | 38.1 | 36.8 | K | 9.0 | | 33.0 | 47.6 | | 7.3 | 39 | 43.4 | 16.5 | K | 8.8 | | 31.0 | 27.3 | | 9.5 | 46 | 3.2 | 35.3 | |
| 9.5 | 35 | 10.3 | 45.6 | | 8.9 | 9 | 12.9 | 23.8 | K | 8.2 | 40 | 53.4 | 20.0 | K | 8.4 | 10 | 35.4 | 25.5 | B | 8.5 | | 48.2 | 59.0 | K |
| 9.5 | | 19.4 | 14.3 | | 8.6 | | 58.1 | 59.6 | K | 6.8 | 41 | 14.5 | 37.3 | K | 9.5 | 11 | 16.5 | 18.7 | | 8.9 | | 58.4 | 3.7 | |
| 8.7 | 36 | 6.3 | 53.9 | K | 9.1 | 10 | 12.0 | 56.6 | | 9.5 | | 29.3 | 23.0 | | 9.5 | | 29.7 | 37.9 | | 9.3 | 48 | 0.6 | 24.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10 pr. | | 29.90 | 3.33 | | 10 pr. | | 28.26 | 3.25 | | 10 pr. | | 26.95 | 3.12 | | 10 pr. | | 25.47 | 2.90 | | 10 pr. | | 24.29 | 2.66 | |

| 2601—2660 | | | | | 2661—2720 | | | | | 2721—2780 | | | | | 2781—2840 | | | | | 2841—2900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14ᵐ—15ᵐ | | +38° | | | 15ᵐ | | +38° | | | 15ᵐ—16ᵐ | | +38° | | | 16ᵐ | | +38° | | | 16ᵐ—17ᵐ | | +38° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | 48 | 44.3 | 44.5 | | 9.5 | 22 | 21.1 | 14.6 | | 9.5 | 55 | 52.3 | 58.7 | | 9.2 | 22 | 35.1 | 23.7 | B | 9.3 | 43 | 42.8 | 15.1 | B |
| 9.4 | 49 | 0.4 | 1.8 | b | 8.6 | | 46.0 | 51.1 | S | 9.5 | 56 | 9.8 | 36.3 | | 9.0 | 23 | 32.7 | 8.6 | | 9.1 | 44 | 31.7 | 51.2 | K |
| 8.0 | 50 | 3.2 | 32.7 | Kb | 8.8 | | 50.5 | 30.2 | K | 9.5 | | 46.5 | 32.2 | b | 9.5 | | 34.9 | 25.5 | | 8.5 | | 50.6 | 50.7 | K |
| 9.3 | | 12.4 | 48.5 | K | 8.9 | | 59.8 | 43.1 | K | 9.1 | 0 | 15.8 | 12.0 | b | 9.3 | 24 | 22.8 | 25.9 | | 9.3 | 45 | 1.7 | 45.3 | K |
| 9.2 | 51 | 42.3 | 37.8 | | 8.9 | 24 | 1.0 | 27.6 | Kb | 9.5 | | 58.0 | 14.0 | | 9.4 | 25 | 8.1 | 48.0 | B | 9.2 | | 19.3 | 12.0 | |
| 8.7 | 52 | 8.1 | 19.1 | Kb | 9.5 | | 4.5 | 23.7 | | 9.3 | 1 | 57.9 | 59.3 | | 9.5 | | 20.2 | 10 5 | | 9.3 | | 31.5 | 2.4 | B |
| 9.4 | | 35.9 | 39.4 | B | 9.0 | | 51.5 | 59.9 | K | 9.1 | 2 | 58.3 | 0.1 | b | 7.8 | | 26.9 | 39.7 | B | 9.0 | | 53.8 | 23.2 | L |
| 9.4 | 54 | 21.8 | 48.1 | B | 7.8 | 25 | 18.3 | 39.6 | K | 9.5 | 3 | 38.1 | 22.5 | | 7.5 | | 49.9 | 22.7 | K | 8.6 | 46 | 20.8 | 11.4 | L |
| 9.5 | | 52.9 | 16.2 | | 8.9 | | 27.7 | 7.7 | | 9.5 | | 59.8 | 22.0 | | 9.5 | 27 | 20.5 | 40.3 | | 9.5 | | 27.0 | 12.8 | |
| 9.5 | 55 | 28.4 | 39.1 | | 9.3 | 26 | 1.0 | 40.1 | K | 9.3 | 4 | 26.6 | 1.1 | K | 9.5 | | 22.1 | 49.8 | | 8.5 | | 36.6 | 46.7 | K |
| 9.5 | | 34.8 | 18.6 | b | 8.9 | | 16.3 | 34.6 | | 8.7 | | 36.3 | 50.9 | K | 8.4 | 28 | 5.7 | 21.9 | L | 9.5 | | 50.9 | 8.5 | |
| 9.5 | | 57.5 | 21.6 | | 9.2 | | 26.3 | 3.2 | K | 9.0 | 6 | 48.8 | 44.4 | K | 9.3 | | 30.1 | 36.4 | B | 9.0 | 47 | 20.6 | 30.1 | |
| 9.5 | 57 | 9.3 | 29.2 | b | 9.3 | 27 | 24.2 | 25.0 | | 9.4 | 7 | 26.4 | 24.5 | B | 9.0 | | 32.5 | 18.9 | | 9.2 | | 26.3 | 57.8 | K |
| 9.5 | 0 | 36.0 | 40.1 | b | 9.2 | | 24.7 | 9.1 | Bb | 9.5 | | 32.2 | 9.6 | | 9.5 | | 35.1 | 34.3 | B | 9.4 | 48 | 7.0 | 35.1 | |
| 9.5 | 1 | 28.6 | 23.9 | | 8.2 | | 56.8 | 56.3 | K | 9.5 | | 55.2 | 42.8 | B | 6.8 | | 38.6 | 24.2 | G | 9.3 | | 36.1 | 40.8 | |
| 9.4 | 2 | 49.6 | 43.5 | | 9.5 | 28 | 43.0 | 41.3 | | 6.8 | 8 | 2.0 | 26.9 | K | 9.2 | 29 | 4.3 | 40.8 | | 8.8 | | 36.7 | 44.7 | K |
| 9.4 | | 56.2 | 32.0 | | 9.5 | 29 | 10.8 | 58.3 | | 9.5 | 9 | 10.2 | 10.0 | | 9.5 | | 23.8 | 59.7 | | 9.0 | 49 | 15.1 | 5.9 | |
| 9.5 | 3 | 36.7 | 35.4 | B | 6.5 | 30 | 27.4 | 51.3 | K | 9.1 | | 19.2 | 31.6 | | 8.5 | | 29.9 | 16.7 | K | 9.5 | | 32.7 | 36.1 | |
| 9.0 | | 48.8 | 10.6 | K | 9.5 | 31 | 30.2 | 17.0 | | 9.1 | | 28.8 | 28.9 | K | 9.2 | | 48.9 | 53.3 | | 8.6 | | 46.7 | 55.2 | K |
| 7.9 | 4 | 33.4 | 14.7 | K | 9.4 | 32 | 26.5 | 36.4 | | 9.5 | | 33.8 | 1.0 | | 9.0 | 30 | 3.3 | 22.8 | K | 9.4 | 50 | 39.8 | 5.5 | |
| 8.5 | | 34.3 | 59.0 | K | 9.5 | | 32.2 | 38.4 | | 9.4 | | 39.5 | 15.7 | B | 8.4 | | 22.0 | 3.4 | L | 8.7 | 51 | 3.7 | 27.5 | |
| 9.2 | | 34.7 | 39.4 | b | 9.3 | | 33.9 | 5.8 | B | 9.5 | | 58.5 | 44.3 | | 9.0 | | 43.4 | 44.3 | | 8.7 | | 12.4 | 36.4 | K |
| 9.3 | | 47.3 | 49.6 | | 7.7 | | 46.8 | 30.3 | B | 9.5 | 10 | 1.9 | 48.4 | | 8.9 | | 53.4 | 15.9 | | 8.1 | | 21.5 | 8.4 | K |
| 9.2 | 5 | 37.7 | 0.8 | | 9.3 | 33 | 42.2 | 13.0 | | 9.5 | | 48.8 | 11.1 | | 9.5 | 31 | 20.2 | 57.3 | | 9.5 | | 37.0 | 37.7 | |
| 9.3 | 6 | 52.1 | 22.1 | | 9.5 | 34 | 7.7 | 48.2 | | 9.1 | | 50.4 | 59.8 | B | 9.1 | | 58.4 | 37.9 | | 8.5 | 52 | 20.3 | 24.2 | |
| 9.5 | | 58.0 | 29.0 | | 9.4 | | 43.5 | 18.0 | | 8.5 | 11 | 6.3 | 44.0 | K | 9.0 | | 58.6 | 57.8 | | 8.5 | | 45.9 | 20.2 | L |
| 9.3 | 7 | 0.3 | 24.4 | B | 6.6 | 35 | 2.4 | 0.1 | K | 7.5 | | 36.6 | 59.3 | K | 8.7 | 32 | 8.9 | 12.4 | Lb | 9.5 | | 58.8 | 8.9 | |
| 9.0 | | 56.0 | 20.2 | | 7.5 | | 42.3 | 42.4 | Kb | 9.2 | | 52.8 | 48.9 | K | 9.5 | | 34.8 | 32.0 | | 9.0 | 53 | 23.3 | 43.7 | |
| 6.0 | 8 | 4.0 | 47.6 | K | 9.3 | 36 | 18.0 | 33.1 | | 9.4 | 12 | 0.2 | 10.0 | | 9.1 | | 39.0 | 17.9 | | 8.0 | | 38.2 | 11.4 | K |
| 9.5 | 9 | 2.1 | 1.8 | | 9.2 | | 26.6 | 29.1 | B | 8.8 | | 42.2 | 3.2 | | 8.9 | 33 | 32.9 | 36.8 | K | 9.2 | 54 | 9.3 | 33.1 | |
| 7.0 | | 24.8 | 51.0 | K | 9.0 | | 52.8 | 52.3 | K | 8.7 | | 58.5 | 22.3 | | 7.2 | 34 | 7.7 | 37.5 | K | 8.5 | | 28.5 | 34.0 | |
| 9.4 | | 30.8 | 23.2 | | 9.3 | 38 | 20.4 | 54.3 | | 7.8 | 13 | 9.7 | 37.8 | L | 9.5 | | 8.4 | 6.5 | | 8.0 | | 49.3 | 4.3 | K |
| 9.3 | 11 | 21.3 | 46.0 | | 8.2 | 39 | 7.0 | 0.0 | K | 9.5 | | 37.0 | 0.2 | | 8.0 | | 43.2 | 29.1 | B | 9.5 | 55 | 39.9 | 24.4 | |
| 9.5 | | 50.4 | 15.2 | | 9.3 | | 34.3 | 41.8 | b | 9.3 | | 37.8 | 11.0 | | 9.3 | | 56.9 | 52.9 | K | 9.3 | 56 | 21.3 | 5.9 | |
| 9.3 | 13 | 0.7 | 31.6 | | 9.3 | | 37.4 | 43.8 | | 7.0 | | 51.2 | 7.5 | K | 9.3 | 35 | 17.0 | 27.8 | D | 9.1 | 57 | 22.0 | 34.5 | |
| 9.5 | | 9.9 | 9.2 | | 9.3 | 41 | 14.2 | 34.7 | B | 9.5 | | 55.6 | 32.9 | | 9.5 | | 42.7 | 10.0 | | 8.5 | | 56.4 | 54.1 | |
| 9.2 | | 21.4 | 27.2 | | 9.2 | | 22.5 | 22.3 | | 9.0 | | 56.5 | 17.4 | | 9.5 | 36 | 1.7 | 2.5 | | 9.0 | 58 | 49.4 | 47.2 | |
| 9.4 | | 37.8 | 4.2 | | 9.5 | | 25.1 | 42.4 | | 9.4 | 14 | 23.2 | 19.2 | | 9.2 | 37 | 1.9 | 39.8 | | 9.1 | | 56.8 | 0.6 | K |
| 8.9 | | 38.9 | 0.9 | B | 9.4 | | 58.5 | 26.4 | | 9.5 | | 33.8 | 4.6 | | 9.4 | | 7.0 | 9.2 | B | 8.7 | 59 | 10.0 | 24.4 | |
| 8.8 | | 44.5 | 55.0 | | 9.5 | 42 | 46.2 | 32.9 | | 9.2 | | 42.2 | 14.5 | | 9.2 | | 32.7 | 21.9 | K | 9.4 | | 35.0 | 28.8 | |
| 9.5 | | 44.9 | 13.2 | | 8.8 | | 48.0 | 25.6 | | 9.0 | 15 | 55.0 | 1.1 | K | 9.5 | | 40.6 | 58.8 | | 9.2 | 0 | 17.0 | 37.7 | K |
| 8.2 | | 48.4 | 18.6 | K | 9.0 | 44 | 8.6 | 42.8 | B | 9.5 | 16 | 51.1 | 38.2 | | 9.0 | | 45.9 | 46.4 | K | 9.1 | | 22.2 | 6.0 | L |
| 9.3 | | 54.0 | 23.5 | | 8.8 | | 18.8 | 44.3 | K | 8.6 | 17 | 16.9 | 5.1 | K | 9.1 | | 55.2 | 33.3 | | 9.5 | 1 | 27.3 | 37.7 | |
| 9.1 | 14 | 9.4 | 15.2 | | 9.5 | | 46.7 | 22.2 | | 9.5 | | 34.0 | 39.1 | | 9.5 | 38 | 6.5 | 1.5 | | 8.0 | 2 | 7.7 | 41.3 | L |
| 9.3 | | 59.2 | 57.1 | B | 9.5 | | 49.3 | 35.8 | | 9.1 | | 47.2 | 35.9 | b | 9.5 | | 39.0 | 48.8 | | 8.5 | | 33.0 | 21.8 | |
| 9.5 | 15 | 14.5 | 37.1 | | 8.0 | 45 | 15.5 | 16.9 | K | 9.5 | | 50.1 | 23.5 | | 9.5 | | 58.4 | 50.3 | | 9.4 | 3 | 41.2 | 13.8 | |
| 9.5 | 16 | 32.5 | 36.8 | | 9.2 | | 22.3 | 41.4 | K | 9.5 | 18 | 25.2 | 3.7 | | 8.9 | 39 | 1.3 | 45.8 | | 9.0 | | 44.2 | 16.8 | K |
| 8.5 | 17 | 24.4 | 22.9 | K | 7.5 | | 33.4 | 0.6 | L | 7.8 | | 54.1 | 59.7 | K | 8.5 | | 41.9 | 54.2 | K | 9.2 | 4 | 16.6 | 20.9 | K |
| 8.8 | | 39.1 | 27.2 | K | 9.2 | 46 | 48.1 | 59.3 | K | 7.5 | 19 | 11.9 | 47.8 | K | 9.4 | | 43.0 | 47.8 | | 9.2 | | 18.5 | 34.7 | |
| 9.5 | | 54.0 | 44.0 | | 9.5 | 48 | 5.0 | 21.0 | | 8.4 | | 43.2 | 29.3 | B | 9.1 | 40 | 4.4 | 59.6 | K | 9.1 | | 26.8 | 43.0 | |
| 9.0 | 18 | 45.5 | 40.5 | R | 9.4 | 49 | 41.5 | 28.6 | | 9.2 | 20 | 0.8 | 49.4 | | 9.1 | | 8.5 | 14.8 | | 7.7 | | 40.1 | 29.4 | Kb |
| 7.5 | | 53.0 | 42.1 | L | 5.7 | 50 | 30.7 | 22.3 | Kb | 8.2 | | 18.6 | 14.5 | K | 9.2 | | 17.8 | 1.4 | K | 7.7 | 5 | 16.2 | 56.2 | K |
| 8.5 | 19 | 7.4 | 11.2 | | 9.5 | | 47.4 | 55.3 | | 9.0 | | 56.9 | 40.0 | K | 8.7 | | 22.7 | 37.1 | L | 8.7 | 7 | 37.5 | 23.5 | K |
| 9.2 | | 36.8 | 2.8 | | 9.3 | 51 | 23.3 | 46.9 | | 9.5 | 21 | 15.3 | 15.5 | | 9.5 | | 30.0 | 38.3 | | 9.2 | | 59.7 | 11.4 | K |
| 8.9 | | 38.7 | 13.0 | B | 6.8 | 53 | 7.6 | 14.4 | K | 8.7 | | 32.7 | 6.0 | K | 9.4 | | 50.5 | 26.8 | | 8.6 | 8 | 54.4 | 42.3 | |
| 9.5 | 20 | 2.3 | 39.1 | | 9.5 | | 50.0 | 0.1 | | 9.4 | | 50.5 | 20.4 | | 9.2 | 41 | 30.8 | 41.2 | | 9.5 | 9 | 43.5 | 11.9 | |
| 9.5 | | 14.4 | 18.2 | | 9.5 | 54 | 4.9 | 11.0 | | 9.2 | 22 | 4.2 | 27.5 | | 9.4 | 42 | 12.8 | 9.3 | | 9.5 | | 57.1 | 46.2 | |
| 9.3 | 21 | 10.4 | 1.8 | | 8.7 | | 30.1 | 53.3 | K | 8.8 | | 6.7 | 25.2 | K | 9.5 | | 26.0 | 18.8 | | 9.0 | 10 | 9.8 | 28.4 | K |
| 9.4 | | 22.0 | 55.5 | | 8.9 | | 55.2 | 10.5 | | 9.3 | | 10.5 | 18.4 | B | 9.5 | | 55.5 | 22.2 | | 9.5 | | 30.5 | 1.8 | |
| 9.3 | | 29.5 | 9.2 | | 9.5 | 55 | 38.4 | 23.3 | | 9.3 | | 21.3 | 19.0 | | 9.2 | | 59.1 | 28.1 | Kb | 9.5 | 11 | 22.1 | 30.3 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10 pr. | | 22.91 | 2.27 | | 10 pr. | | 22.10 | 1.96 | | 10 pr. | | 21.23 | 1.50 | | 10 pr. | | 20.82 | 1.23 | | 10 pr. | | 20.52 | 0.95 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵐ | | +38° | | | 17ᵐ | | +38° | | | 17ᵐ—18ᵐ | | +38° | | | 18ᵐ | | +38° | | | 18ᵐ | | +38° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 11 | 29.8 | 14.9 | | 9.3 | 29 | 34.6 | 35.2 | | 9.3 | 47 | 41.9 | 25.6 | | 9.0 | 1 | 51.7 | 42.3 | | 9.5 | 15 | 33.3 | 26.7 | |
| 9.5 | | 30.2 | 22.4 | | 9.3 | | 57.6 | 39.7 | | 8.0 | | 47.5 | 16.7 | | 8.7 | | 55.3 | 53.2 | | 9.3 | | 37.6 | 43.1 | |
| 9.5 | 12 | 33.8 | 23.8 | | 9.3 | 30 | 5.2 | 18.3 | | 9.3 | | 50.2 | 45.4 | | 9.4 | | 59.2 | 37.0 | | 9.3 | | 45.4 | 21.7 | |
| 9.2 | | 35.7 | 26.1 | K | 8.8 | | 11.4 | 6.2 | | 8.8 | | 52.1 | 36.1 | | 9.5 | 3 | 8.4 | 20.7 | | 8.4 | 16 | 0.9 | 19.0 | K |
| 9.2 | | 43.5 | 4.0 | K | 9.5 | | 28.5 | 36.5 | | 7.5 | | 53.5 | 53.4 | K | 9.5 | | 11.6 | 51.0 | | 8.1 | | 9.0 | 59.7 | Kb |
| 9.5 | | 48.4 | 51.9 | | 7.8 | | 59.4 | 6.3 | K | 8.5 | 48 | 6.4 | 57.3 | K | 9.4 | | 20.2 | 42.0 | | 9.5 | | 10.6 | 0.5 | |
| 9.5 | | 51.6 | 12.8 | | 9.1 | 31 | 6.6 | 23.4 | b | 8.7 | | 30.6 | 15.2 | | 8.1 | | 42.0 | 9.4 | | 9.5 | | 41.1 | 42.0 | |
| 9.4 | 13 | 3.4 | 57.2 | | 9.5 | | 42.9 | 21.8 | | 8.8 | | 41.4 | 34.2 | | 8.6 | | 56.9 | 14.9 | | 9.3 | | 45.6 | 23.1 | B |
| 9.5 | | 9.5 | 42.8 | | 9.0 | 32 | 20.3 | 12.8 | | 9.2 | | 50.5 | 2.7 | K | 8.7 | 4 | 3.4 | 42.3 | | 9.4 | | 46.1 | 21.6 | |
| 6.0 | | 32.1 | 57.7 | K | 9.5 | 33 | 49.4 | 18.7 | | 9.5 | | 52.4 | 30.6 | | 9.5 | | 3.8 | 43.3 | | 8.3 | | 49.1 | 16.2 | K |
| 9.4 | | 54.4 | 47.7 | | 9.5 | 34 | 37.3 | 59.3 | | 9.0 | 49 | 39.6 | 40.0 | | 9.4 | | 11.5 | 3.7 | | 9.5 | 17 | 2.2 | 2.8 | |
| 9.5 | 14 | 15.9 | 34.7 | | 9.3 | 35 | 3.5 | 15.5 | | 8.2 | | 40.5 | 28.6 | Kb | 9.1 | | 29.4 | 16.7 | | 9.5 | | 18.0 | 15.2 | |
| 9.5 | 15 | 4.7 | 57.7 | | 9.5 | | 14.4 | 8.2 | | 9.5 | 50 | 31.3 | 49.7 | | 8.5 | | 41.0 | 53.8 | K | 9.1 | | 40.4 | 8.0 | |
| 9.4 | | 4.9 | 26.2 | | 9.0 | | 28.3 | 54.4 | K | 8.2 | | 33.3 | 38.0 | K | 9.5 | | 50.9 | 2.1 | | 9.5 | 18 | 14.4 | 32.7 | |
| 8.9 | | 23.4 | 27.0 | | 9.0 | | 40.2 | 25.3 | | 9.3 | | 50.7 | 54.4 | | 6.7 | | 51.6 | 28.2 | L | 9.4 | | 18.3 | 11.9 | |
| 9.0 | | 31.2 | 16.1 | | 9.2 | | 42.7 | 37.0 | | 9.0 | 51 | 3.8 | 39.3 | K | 9.5 | 5 | 8.0 | 39.0 | | 9.5 | | 18.3 | 18.4 | |
| 9.1 | | 32.4 | 23.7 | | 8.8 | 36 | 8.2 | 17.9 | R | 9.5 | | 12.6 | 55.3 | | 9.4 | | 19.7 | 45.7 | | 7.7 | | 31.0 | 14.1 | L |
| 8.4 | | 38.4 | 59.7 | K | 9.1 | | 9.5 | 15.5 | | 9.3 | | 34.8 | 15.5 | | 9.2 | | 48.5 | 5.0 | | 9.3 | | 51.7 | 38.9 | |
| 9.5 | | 52.3 | 22.3 | | 8.5 | | 22.6 | 20.4 | K | 9.0 | | 44.3 | 36.3 | | 9.4 | | 49.9 | 29.0 | | 7.0 | | 52.5 | 17.0 | L |
| 8.9 | 16 | 24.5 | 50.5 | | 9.3 | | 38.1 | 3.2 | | 9.5 | | 45.0 | 48.5 | | 8.0 | 6 | 7.1 | 56.2 | K | 6.5 | 19 | 6.9 | 41.3 | R |
| 8.9 | | 25.8 | 3.9 | K | 9.1 | | 41.5 | 25.9 | | 9.4 | 52 | 0.4 | 14.6 | | 9.3 | | 36.0 | 53.4 | | 9.2 | | 30.6 | 21.3 | |
| 9.5 | 17 | 5.9 | 21.6 | | 9.1 | | 52.3 | 48.9 | | 9.2 | | 3.5 | 34.0 | | 8.7 | | 43.2 | 33.1 | | 9.1 | | 42.1 | 53.3 | |
| 9.5 | | 16.2 | 34.1 | | 8.9 | | 58.9 | 22.3 | R | 8.4 | | 33.8 | 59.4 | | 8.7 | | 43.9 | 15.2 | | 9.5 | | 45.9 | 52.1 | |
| 8.2 | | 17.6 | 1.7 | K | 7.5 | 37 | 22.0 | 8.8 | L | 8.8 | | 46.4 | 58.5 | | 8.5 | | 58.4 | 21.4 | | 9.5 | | 50.8 | 39.2 | |
| 9.5 | | 31.5 | 22.7 | | 9.5 | | 24.7 | 58.4 | | 7.5 | 53 | 0.6 | 6.2 | L | 8.8 | 7 | 19.5 | 38.2 | | 9.5 | 20 | 7.0 | 56.6 | |
| 9.5 | 18 | 12.9 | 44.2 | | 9.5 | | 32.4 | 57.0 | | 9.1 | | 22.7 | 56.8 | | 8.8 | | 19.9 | 43.4 | | 7.5 | | 30.0 | 21.8 | K |
| 9.5 | | 37.0 | 44.5 | | 9.5 | | 40.0 | 15.9 | | 9.0 | | 22.7 | 13.2 | | 8.6 | | 25.0 | 47.1 | K | 9.0 | | 35.5 | 59.3 | |
| 6.7 | 19 | 10.6 | 43.7 | K | 9.3 | | 40.2 | 8.2 | R | 9.0 | | 43.0 | 22.1 | | 9.5 | | 42.0 | 32.7 | | 9.5 | | 49.2 | 38.1 | |
| 9.0 | | 16.5 | 13.6 | | 9.5 | | 41.9 | 22.5 | | 9.1 | | 47.0 | 25.2 | | 8.5 | | 48.1 | 33.8 | L | 9.2 | 21 | 7.1 | 10.4 | |
| 9.3 | | 22.2 | 6.8 | | 9.5 | 39 | 7.0 | 8.4 | | 9.0 | | 47.8 | 29.3 | | 9.5 | | 48.4 | 33.0 | | 9.5 | | 10.3 | 23.7 | |
| 9.4 | | 37.9 | 21.2 | | 9.5 | | 15.9 | 49.6 | | 9.5 | 54 | 0.7 | 42.4 | | 8.0 | 8 | 4.2 | 16.1 | K | 8.9 | | 20.1 | 44.6 | B |
| 8.5 | | 47.4 | 10.0 | | 9.5 | | 42.9 | 12.1 | | 8.9 | | 6.9 | 45.8 | K | 8.3 | | 13.2 | 14.5 | K | 9.2 | | 23.2 | 6.7 | |
| 9.5 | 20 | 2.7 | 24.7 | | 9.1 | | 44.6 | 5.0 | | 9.5 | | 27.6 | 53.0 | | 6.0 | | 15.0 | 45.9 | G | 9.5 | | 38.0 | 33.4 | |
| 8.9 | | 23.4 | 25.2 | | 7.5 | 40 | 0.4 | 24.4 | L | 8.2 | | 53.9 | 17.7 | K | 9.4 | | 21.0 | 54.5 | | 9.5 | | 44.1 | 50.7 | |
| 8.5 | | 40.0 | 54.8 | | 9.5 | | 1.7 | 42.7 | | 9.0 | 55 | 6.8 | 41.0 | K | 9.3 | | 22.5 | 47.5 | | 9.0 | | 45.4 | 13.2 | |
| 9.5 | 21 | 9.3 | 47.6 | | 9.4 | | 58.6 | 40.9 | | 9.1 | | 9.6 | 34.2 | | 9.5 | | 45.2 | 25.1 | | 9.4 | 22 | 0.8 | 7.5 | |
| 8.8 | 22 | 12.1 | 32.0 | | 6.0 | 41 | 4.9 | 56.6 | K | 9.4 | | 20.9 | 25.5 | | 9.5 | | 46.4 | 38.0 | | 9.5 | | 4.5 | 33.4 | |
| 9.2 | | 34.3 | 54.5 | | 9.3 | | 19.5 | 1.2 | | 8.9 | | 32.5 | 47.7 | K | 9.5 | | 50.5 | 2.9 | | 9.3 | | 9.6 | 37.8 | |
| 8.7 | | 59.8 | 2.9 | K | 9.4 | | 26.6 | 56.5 | | 9.5 | | 47.1 | 25.1 | | 9.5 | 9 | 16.6 | 34.5 | | 9.5 | | 21.7 | 49.3 | |
| 9.1 | 23 | 9.6 | 32.3 | K | 9.4 | | 28.7 | 8.9 | | 9.5 | | 47.6 | 15.5 | | 9.5 | | 36.9 | 19.7 | | 9.5 | | 22.9 | 56.3 | |
| 9.4 | | 12.5 | 41.2 | | 9.2 | | 34.2 | 50.7 | K | 9.3 | 56 | 5.5 | 1.6 | | 9.4 | | 54.8 | 1.8 | | 9.1 | | 34.0 | 52.8 | |
| 9.5 | | 39.2 | 12.4 | | 8.0 | | 38.3 | 37.2 | K | 9.0 | | 44.1 | 51.2 | | 9.5 | | 58.8 | 23.9 | | 9.4 | | 36.0 | 52.8 | |
| 9.1 | 24 | 10.5 | 52.6 | K | 9.5 | 42 | 33.9 | 38.2 | | 9.5 | 57 | 22.4 | 59.6 | | 9.5 | 10 | 0.7 | 36.2 | | 9.5 | 23 | 25.6 | 4.0 | |
| 9.5 | | 17.9 | 15.9 | | 9.5 | | 35.3 | 7.2 | | 9.0 | | 29.8 | 10.4 | | 9.5 | | 41.9 | 58.2 | | 9.2 | | 29.9 | 20.3 | |
| 8.8 | | 21.9 | 32.4 | | 9.1 | | 40.2 | 47.9 | | 9.4 | | 30.9 | 52.4 | | 9.4 | | 43.6 | 40.1 | | 8.4 | | 42.3 | 52.4 | |
| 8.3 | | 23.6 | 4.1 | K | 7.0 | 43 | 20.5 | 17.2 | K | 9.0 | | 56.3 | 14.6 | | 9.2 | | 47.0 | 17.0 | | 7.7 | | 43.3 | 40.3 | K |
| 9.3 | 25 | 18.3 | 1.6 | | 9.5 | 44 | 28.9 | 28.7 | | 9.2 | 58 | 18.4 | 50.2 | K | 9.4 | 11 | 15.9 | 20.0 | | 9.5 | | 50.4 | 32.2 | |
| 9.5 | | 31.6 | 41.7 | | 9.5 | | 53.2 | 36.1 | | 9.3 | | 37.0 | 26.5 | | 8.5 | | 16.9 | 57.6 | K | 8.9 | | 50.5 | 58.5 | |
| 9.5 | 26 | 9.0 | 4.6 | | 9.4 | 45 | 47.5 | 51.1 | | 8.3 | | 38.3 | 17.6 | L | 9.2 | | 53.0 | 55.3 | B | 9.4 | | 50.6 | 18.9 | |
| 9.4 | | 16.9 | 21.4 | | 9.1 | | 50.9 | 14.8 | | 8.0 | | 38.9 | 5.3 | K | 9.0 | | 53.9 | 13.9 | | 8.8 | 24 | 38.9 | 15.7 | |
| 9.5 | | 54.6 | 13.2 | | 7.5 | 46 | 15.6 | 29.0 | Lb | 9.3 | | 48.8 | 9.4 | | 9.1 | | 55.2 | 11.1 | | 9.5 | | 40.8 | 33.6 | |
| 9.5 | | 56.3 | 57.9 | | 8.5 | | 22.9 | 22.8 | | 9.1 | 59 | 27.6 | 26.9 | | 9.2 | | 57.9 | 26.3 | | 9.5 | | 46.0 | 59.4 | |
| 9.5 | 27 | 42.9 | 44.9 | | 9.5 | | 34.2 | 29.2 | | 8.8 | | 54.9 | 42.1 | | 9.5 | 12 | 53.5 | 48.6 | | 9.5 | | 57.6 | 39.7 | |
| 9.5 | | 46.0 | 40.8 | | 9.4 | | 35.2 | 31.2 | | 9.5 | 0 | 19.7 | 31.0 | | 9.5 | 13 | 6.9 | 17.2 | | 9.5 | 25 | 0.5 | 9.0 | |
| 9.2 | | 47.6 | 36.2 | | 8.8 | | 38.9 | 12.1 | | 7.6 | 1 | 2.9 | 59.7 | G | 9.4 | | 14.5 | 54.8 | | 9.5 | | 13.7 | 50.2 | |
| 9.1 | | 51.7 | 28.3 | b | 9.5 | 47 | 2.2 | 54.5 | | 9.3 | | 22.6 | 11.8 | | 9.5 | 14 | 26.8 | 28.6 | | 9.5 | | 22.4 | 14.9 | |
| 9.0 | 28 | 10.2 | 36.9 | K | 9.5 | | 3.8 | 22.5 | | 8.0 | | 25.7 | 23.4 | B | 9.5 | 15 | 3.9 | 32.8 | | 9.5 | | 34.5 | 35.6 | |
| 9.1 | | 19.8 | 56.7 | | 9.5 | | 14.6 | 24.5 | | 9.2 | | 28.6 | 36.8 | | 8.9 | | 12.7 | 29.7 | | 9.0 | | 50.0 | 8.4 | K |
| 9.4 | | 34.5 | 3.9 | | 8.0 | | 25.5 | 43.9 | K | 8.7 | | 47.9 | 33.9 | | 8.9 | | 14.0 | 53.0 | | 9.4 | | 55.9 | 48.2 | |
| 9.5 | 29 | 31.0 | 4.9 | | 9.5 | | 26.6 | 56.3 | | 9.1 | | 48.5 | 36.1 | | 9.4 | | 26.8 | 24.8 | | 8.5 | | 59.5 | 32.5 | B |
| 10 pr. | | + 20.24 | − 0.59 | | 10 pr. | | + 20.12 | − 0.30 | | 10 pr. | | + 20.09 | − 0.09 | | 10 pr. | | + 20.09 | − 0.12 | | 10 pr. | | − 20.13 | + 0.31 | |

| m | 2601—2660 14ᵐ—15ᵐ | +38° | | m | 2661—2720 15ᵐ | +38° | | m | 2721—2780 15ᵐ—16ᵐ | +38° | | m | 2781—2840 16ᵐ | +38° | | m | 2841—2900 16ᵐ—17ᵐ | +38° | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | | | ′ ″ | ′ | |
| 9.5 | 48 44.3 | 44.5 | | 9.5 | 22 21.1 | 14.6 | | 9.5 | 55 52.3 | 58.7 | | 9.2 | 22 35.1 | 23.7 | B | 9.3 | 43 42.8 | 15.1 | B |
| 9.4 | 49 0.4 | 1.8 | b | 8.6 | 46.0 | 51.1 | S | 9.5 | 56 9.8 | 36.3 | | 9.0 | 23 32.7 | 8.6 | | 9.1 | 44 31.7 | 51.2 | K |
| 8.0 | 50 3.2 | 32.7 | Kb | 8.8 | 50.5 | 30.2 | K | 9.5 | 46.5 | 32.2 | b | 9.5 | 34.9 | 25.5 | | 8.5 | 50.6 | 50.7 | K |
| 9.3 | 12.4 | 48.5 | K | 8.9 | 59.8 | 43.1 | K | 9.1 | 0 15.8 | 12.0 | b | 9.3 | 24 22.8 | 25.9 | | 9.3 | 45 1.7 | 45.3 | K |
| 9.2 | 51 42.3 | 37.8 | | 8.9 | 24 1.0 | 27.6 | Kb | 9.5 | 58.0 | 14.0 | | 9.4 | 25 8.1 | 48.0 | B | 9.2 | 19.3 | 12.0 | |
| 8.7 | 52 8.1 | 19.1 | Kb | 9.5 | 4.5 | 23.7 | | 9.3 | 1 57.9 | 59.3 | | 9.5 | 20.2 | 10 5 | | 9.3 | 31.5 | 2.4 | B |
| 9.4 | 35.9 | 39.4 | B | 9.0 | 51.5 | 59.9 | K | 9.1 | 2 58.3 | 0.1 | b | 7.8 | 26.9 | 39.7 | B | 9.0 | 53.8 | 23.2 | L |
| 9.4 | 54 21.8 | 48.1 | B | 7.8 | 25 18.3 | 39.6 | K | 9.5 | 3 38.1 | 22.5 | | 7.5 | 49.9 | 22.7 | K | 8.6 | 46 20.8 | 11.4 | L |
| 9.5 | 52.9 | 16.2 | | 8.9 | 27.7 | 7.7 | | 9.5 | 59.8 | 22.0 | | 9.5 | 27 20.5 | 40.3 | | 9.5 | 27.0 | 12.8 | |
| 9.5 | 55 28.4 | 39.1 | | 9.3 | 26 1.0 | 40.1 | K | 9.3 | 4 26.6 | 1.1 | K | 9.5 | 22.1 | 49.8 | | 8.5 | 36.6 | 46.7 | K |
| 9.5 | 34.8 | 18.6 | b | 8.9 | 16.3 | 34.6 | | 8.7 | 36.3 | 50.9 | K | 8.4 | 28 5.7 | 21.9 | L | 9.5 | 50.9 | 8.5 | |
| 9.5 | 57.5 | 21.6 | | 9.2 | 26.3 | 3.2 | K | 9.0 | 6 48.8 | 44.4 | K | 9.3 | 30.1 | 36.4 | B | 9.0 | 47 20.6 | 30.1 | |
| 9.5 | 57 9.3 | 29.2 | b | 9.3 | 27 24.2 | 25.0 | | 9.4 | 7 26.4 | 24.5 | B | 9.0 | 32.5 | 18.9 | | 9.2 | 26.3 | 57.8 | K |
| 9.5 | 0 36.0 | 40.1 | b | 9.2 | 24.7 | 9.1 | Bb | 9.5 | 32.2 | 9.6 | | 9.5 | 35.1 | 34.3 | B | 9.4 | 48 7.0 | 35.1 | |
| 9.5 | 1 28.6 | 23.9 | | 8.2 | 56.8 | 56.3 | K | 9.5 | 55.2 | 42.8 | B | 6.8 | 38.6 | 24.2 | G | 9.3 | 36.1 | 40.8 | |
| 9.4 | 2 49.6 | 43.5 | | 9.5 | 28 43.0 | 41.3 | | 6.8 | 8 2.0 | 26.9 | K | 9.2 | 29 4.3 | 40.8 | | 8.8 | 36.7 | 44.7 | K |
| 9.4 | 56.2 | 32.0 | | 9.5 | 29 10.8 | 58.3 | | 9.5 | 9 10.2 | 10.0 | | 9.5 | 23.8 | 59.7 | | 9.0 | 49 15.1 | 5.9 | |
| 9.5 | 3 36.7 | 35.4 | B | 6.5 | 30 27.4 | 51.3 | K | 9.1 | 19.2 | 31.6 | | 8.5 | 29.9 | 16.7 | K | 9.5 | 32.7 | 36.1 | |
| 9.0 | 48.8 | 10.6 | K | 9.5 | 31 30.2 | 17.0 | | 9.1 | 28.8 | 28.9 | K | 9.2 | 48.9 | 53.3 | | 8.6 | 46.7 | 55.2 | K |
| 7.9 | 4 33.4 | 14.7 | K | 9.4 | 32 26.5 | 36.4 | | 9.5 | 33.8 | 1.0 | | 9.0 | 30 3.3 | 22.8 | K | 9.4 | 50 39.8 | 5.5 | |
| 8.5 | 34.3 | 59.0 | K | 9.5 | 32.2 | 38.4 | | 9.4 | 39.5 | 15.7 | B | 8.4 | 22.0 | 3.4 | L | 8.7 | 51 3.7 | 27.5 | |
| 9.2 | 34.7 | 39.4 | b | 9.3 | 33.9 | 5.8 | B | 9.5 | 58.5 | 44.3 | | 9.0 | 43.4 | 44.3 | | 8.7 | 12.4 | 36.4 | K |
| 9.3 | 47.3 | 49.6 | | 7.7 | 46.8 | 30.3 | B | 9.5 | 10 1.9 | 48.4 | | 8.9 | 53.4 | 15.9 | | 8.1 | 21.5 | 8.4 | K |
| 9.2 | 5 37.7 | 0.8 | | 9.3 | 33 42.2 | 13.0 | | 9.5 | 48.8 | 11.1 | | 9.5 | 31 20.2 | 57.3 | | 9.5 | 37.0 | 37.7 | |
| 9.3 | 6 52.1 | 22.1 | | 9.5 | 34 7.7 | 48.2 | | 9.1 | 50.4 | 59.8 | B | 9.1 | 58.4 | 37.9 | | 8.5 | 52 20.3 | 24.2 | |
| 9.5 | 58.0 | 29.0 | | 9.4 | 43.5 | 18.0 | | 8.5 | 11 6.3 | 44.0 | K | 9.0 | 58.6 | 57.8 | | 8.5 | 45.9 | 20.2 | L |
| 9.3 | 7 0.3 | 24.4 | B | 6.6 | 35 2.4 | 0.1 | K | 7.5 | 36.6 | 59.3 | K | 8.7 | 32 8.9 | 12.4 | Lb | 9.5 | 58.8 | 8.9 | |
| 9.0 | 56.0 | 20.2 | | 7.5 | 42.3 | 42.4 | Kb | 9.2 | 52.8 | 48.9 | K | 9.5 | 34.8 | 32.0 | | 9.0 | 53 23.3 | 43.7 | |
| 6.0 | 8 4.0 | 47.6 | K | 9.3 | 36 18.0 | 33.1 | | 9.4 | 12 0.2 | 10.0 | | 9.1 | 39.0 | 17.9 | | 8.0 | 38.2 | 11.4 | K |
| 9.5 | 9 2.1 | 1.8 | | 9.2 | 26.6 | 29.1 | B | 8.8 | 42.2 | 3.2 | | 8.9 | 33 32.9 | 36.8 | K | 9.2 | 54 9.3 | 33.1 | |
| 7.0 | 24.8 | 51.0 | K | 9.0 | 52.8 | 52.3 | K | 8.7 | 58.5 | 22.3 | | 7.2 | 34 7.7 | 37.5 | K | 8.5 | 28.5 | 34.0 | |
| 9.4 | 30.8 | 23.2 | | 9.3 | 38 20.4 | 54.3 | | 7.8 | 13 9.7 | 37.8 | L | 9.5 | 8.4 | 6.5 | | 8.0 | 49.3 | 4.3 | K |
| 9.3 | 11 21.3 | 46.0 | | 8.2 | 39 7.0 | 0.0 | K | 9.5 | 37.0 | 0.2 | | 8.0 | 43.2 | 29.1 | B | 9.5 | 55 39.9 | 24.4 | |
| 9.5 | 50.4 | 15.2 | | 9.3 | 34.3 | 41.8 | b | 9.3 | 37.8 | 11.0 | | 9.3 | 56.9 | 52.9 | K | 9.3 | 56 21.3 | 5.9 | |
| 9.3 | 13 0.7 | 31.6 | | 9.3 | 37.4 | 43.8 | | 7.0 | 51.2 | 7.5 | K | 9.3 | 35 17.0 | 27.8 | D | 9.1 | 57 22.0 | 34.5 | |
| 9.5 | 9.9 | 9.2 | | 9.3 | 41 14.2 | 34.7 | B | 9.5 | 55.6 | 32.9 | | 9.5 | 42.7 | 10.0 | | 8.5 | 56.4 | 54.1 | |
| 9.2 | 21.4 | 27.2 | | 9.2 | 22.5 | 22.3 | | 9.0 | 56.5 | 17.4 | | 9.5 | 36 1.7 | 2.5 | | 9.0 | 58 49.4 | 47.2 | |
| 9.4 | 37.8 | 4.2 | | 9.5 | 25.1 | 42.4 | | 9.4 | 14 23.2 | 19.2 | | 9.2 | 37 1.9 | 39.8 | | 9.1 | 56.8 | 0.6 | K |
| 8.9 | 38.9 | 0.9 | B | 9.4 | 58.5 | 26.4 | | 9.5 | 33.8 | 4.6 | | 9.4 | 7.0 | 9.2 | B | 8.7 | 59 10.0 | 24.4 | |
| 8.8 | 44.5 | 55.0 | | 9.5 | 42 46.2 | 32.9 | | 9.2 | 42.2 | 14.5 | | 9.2 | 32.7 | 21.9 | K | 9.4 | 35.0 | 28.8 | |
| 9.5 | 44.9 | 13.2 | | 8.8 | 48.0 | 25.6 | | 9.0 | 15 55.0 | 1.1 | K | 9.5 | 40.6 | 58.8 | | 9.2 | 0 17.0 | 37.7 | K |
| 8.2 | 48.4 | 18.6 | K | 9.0 | 44 8.6 | 42.8 | B | 9.5 | 16 51.1 | 38.2 | | 9.0 | 45.9 | 46.4 | K | 9.1 | 22.2 | 6.0 | L |
| 9.3 | 54.0 | 23.5 | | 8.8 | 18.8 | 44.3 | K | 8.6 | 17 16.9 | 5.1 | K | 9.1 | 55.2 | 33.3 | | 9.5 | 1 27.3 | 37.7 | |
| 9.1 | 14 9.4 | 15.2 | | 9.5 | 46.7 | 22.2 | | 9.5 | 34.0 | 39.1 | | 9.5 | 38 6.5 | 1.5 | | 8.0 | 2 7.7 | 41.3 | L |
| 9.3 | 59.2 | 57.1 | B | 9.5 | 49.3 | 35.8 | | 9.1 | 47.2 | 35.9 | b | 9.5 | 39.0 | 48.8 | | 8.5 | 33.0 | 21.8 | |
| 9.5 | 15 14.5 | 37.1 | | 8.0 | 45 15.5 | 16.9 | K | 9.5 | 50.1 | 23.5 | | 9.5 | 58.4 | 50.3 | | 9.4 | 3 41.2 | 13.8 | |
| 9.5 | 16 32.5 | 36.8 | | 9.2 | 22.3 | 41.4 | K | 9.5 | 18 25.2 | 3.7 | K | 8.9 | 39 1.3 | 45.8 | | 9.0 | 44.2 | 16.8 | K |
| 8.5 | 17 24.4 | 22.9 | K | 7.5 | 33.4 | 0.6 | L | 7.8 | 54.1 | 59.7 | K | 8.5 | 41.9 | 54.2 | K | 9.2 | 4 16.6 | 20.9 | K |
| 8.8 | 39.1 | 27.2 | K | 9.2 | 46 48.1 | 59.3 | K | 7.5 | 19 11.9 | 47.8 | K | 9.4 | 43.0 | 47.8 | | 9.2 | 18.5 | 34.7 | |
| 9.5 | 54.0 | 44.0 | | 9.5 | 48 5.0 | 21.0 | | 8.4 | 43.2 | 29.3 | B | 9.1 | 40 4.4 | 59.6 | K | 9.1 | 26.8 | 43.0 | |
| 9.0 | 18 45.5 | 40.5 | R | 9.4 | 49 41.5 | 28.6 | | 9.2 | 20 0.8 | 49.4 | | 9.1 | 8.5 | 14.8 | | 7.7 | 40.1 | 29.4 | Kb |
| 7.5 | 53.0 | 42.1 | L | 5.7 | 50 30.7 | 22.3 | Kb | 8.2 | 18.6 | 14.5 | K | 9.2 | 17.8 | 1.4 | K | 7.7 | 5 16.2 | 56.2 | K |
| 8.5 | 19 7.4 | 11.2 | | 9.5 | 47.4 | 55.3 | | 9.0 | 56.9 | 40.0 | K | 8.7 | 22.7 | 37.1 | L | 8.7 | 7 37.5 | 23.5 | K |
| 9.2 | 36.8 | 2.8 | | 9.3 | 51 23.3 | 46.9 | | 9.5 | 21 15.3 | 15.5 | | 9.5 | 30.0 | 38.3 | | 9.2 | 59.7 | 11.4 | K |
| 8.9 | 38.7 | 13.0 | B | 6.8 | 53 7.6 | 14.4 | K | 8.7 | 32.7 | 6.0 | K | 9.4 | 50.5 | 26.8 | | 8.6 | 8 54.4 | 42.3 | |
| 9.5 | 20 2.3 | 39.1 | | 9.5 | 50.0 | 0.1 | | 9.4 | 50.5 | 20.4 | | 9.2 | 41 30.8 | 41.2 | | 9.5 | 9 43.5 | 11.9 | |
| 9.5 | 14.4 | 18.2 | | 9.5 | 54 4.9 | 11.0 | | 9.2 | 22 4.2 | 27.5 | | 9.4 | 42 12.8 | 9.3 | | 9.5 | 57.1 | 46.2 | |
| 9.3 | 21 10.4 | 1 8 | | 8.7 | 30.1 | 53.3 | K | 8.8 | 6.7 | 25.2 | K | 9.5 | 26.0 | 18.8 | | 9.0 | 10 9.8 | 28.4 | K |
| 9.4 | 22.0 | 55.5 | | 8.9 | 55.2 | 10.5 | | 9.3 | 10.5 | 18.4 | B | 9.5 | 55.5 | 22.2 | | 9.5 | 30.5 | 1.8 | |
| 9.3 | 29.5 | 9.2 | | 9.5 | 55 38.4 | 23.3 | | 9.3 | 21.3 | 19.0 | | 9.2 | 59.1 | 28.1 | Kb | 9.5 | 11 22.1 | 30.3 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | — | |
| 10 pr. | 22.91 | 2.27 | | 10 pr. | 22.10 | 1.96 | | 10 pr. | 21.23 | 1.50 | | 10 pr. | 20.82 | 1.23 | | 10 pr. | 20.52 | 0.95 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ʰ | | +38° | | | 17ʰ | | +38° | | | 17ʰ—18ʰ | | +38° | | | 18ʰ | | +38° | | | 18ʰ | | +38° | |
| m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | | m | | ′ | ″ | |
| 9.5 | 11 | 29.8 | 14.9 | | 9.3 | 29 | 34.6 | 35.2 | | 9.3 | 47 | 4.9 | 25.6 | | 9.0 | 1 | 51.7 | 42.3 | | 9.5 | 15 | 33.3 | 26.7 | |
| 9.5 | | 30.2 | 22.4 | | 9.3 | | 57.6 | 39.7 | | 8.0 | | 47.5 | 16.7 | | 8.7 | | 55.3 | 53.2 | | 9.3 | | 37.6 | 43.1 | |
| 9.5 | 12 | 33.8 | 23.8 | | 9.3 | 30 | 5.2 | 18.3 | | 9.3 | | 50.2 | 45.4 | | 9.4 | | 59.2 | 37.0 | | 9.3 | | 45.4 | 21.7 | |
| 9.2 | | 35.7 | 26.1 | K | 8.8 | | 11.4 | 6.2 | | 8.8 | | 52.1 | 36.1 | | 9.5 | 3 | 8.4 | 20.7 | | 8.4 | 16 | 0.9 | 19.0 | K |
| 9.2 | | 43.5 | 4.0 | K | 9.5 | | 28.5 | 36.5 | | 7.5 | | 53.5 | 53.4 | K | 9.5 | | 11.6 | 51.0 | | 8.1 | | 9.0 | 59.7 | Kb |
| 9.5 | | 48.4 | 51.9 | | 7.8 | | 59.4 | 6.3 | K | 8.5 | 48 | 6.4 | 57.3 | K | 9.4 | | 20.2 | 42.0 | | 9.5 | | 10.6 | 0.5 | |
| 9.5 | | 51.6 | 12.8 | | 9.1 | 31 | 6.6 | 23.4 | b | 8.7 | | 30.6 | 15.2 | | 8.1 | | 42.0 | 9.4 | | 9.5 | | 41.1 | 42.0 | |
| 9.4 | 13 | 3.4 | 57.2 | | 9.5 | | 42.9 | 21.8 | | 8.8 | | 41.4 | 34.2 | | 8.6 | | 56.9 | 14.9 | | 9.3 | | 45.6 | 23.1 | B |
| 9.5 | | 9.5 | 42.8 | | 9.0 | 32 | 20.3 | 12.8 | | 9.2 | | 50.5 | 2.7 | K | 8.7 | 4 | 3.4 | 42.3 | | 9.4 | | 46.1 | 21.6 | |
| 6.0 | | 32.1 | 57.7 | K | 9.5 | 33 | 49.4 | 18.7 | | 9.5 | | 52.4 | 30.6 | | 9.5 | | 3.8 | 43.3 | | 8.3 | | 49.1 | 16.2 | K |
| 9.4 | | 54.4 | 47.7 | | 9.5 | 34 | 37.3 | 59.3 | | 9.0 | 49 | 39.6 | 40.0 | | 9.4 | | 11.5 | 3.7 | | 9.5 | 17 | 2.2 | 2.8 | |
| 9.5 | 14 | 15.9 | 34.7 | | 9.3 | 35 | 3.5 | 15.5 | | 8.2 | | 40.5 | 28.6 | Kb | 9.1 | | 29.4 | 16.7 | | 9.5 | | 18.0 | 15.2 | |
| 9.5 | 15 | 4.7 | 57.7 | | 9.5 | | 14.4 | 8.2 | | 9.5 | 50 | 31.3 | 49.7 | | 8.5 | | 41.0 | 53.8 | K | 9.1 | | 40.4 | 8.0 | |
| 9.4 | | 4.9 | 26.2 | | 9.0 | | 28.3 | 54.4 | K | 8.2 | | 33.3 | 38.0 | K | 9.5 | | 50.9 | 2.1 | | 9.5 | 18 | 14.4 | 32.7 | |
| 8.9 | | 23.4 | 27.0 | | 9.0 | | 40.2 | 25.3 | | 9.3 | | 50.7 | 54.4 | | 6.7 | | 51.6 | 28.2 | L | 9.4 | | 18.3 | 11.9 | |
| 9.0 | | 31.2 | 16.1 | | 9.2 | | 42.7 | 37.0 | | 9.0 | 51 | 3.8 | 39.3 | K | 9.5 | 5 | 8.0 | 39.0 | | 9.5 | | 18.3 | 18.4 | |
| 9.1 | | 32.4 | 23.7 | | 8.8 | 36 | 8.2 | 17.9 | R | 9.5 | | 12.6 | 55.3 | | 9.4 | | 19.7 | 45.7 | | 7.7 | | 31.0 | 14.1 | L |
| 8.4 | | 38.4 | 59.7 | K | 9.1 | | 9.5 | 15.5 | | 9.3 | | 34.8 | 15.5 | | 9.2 | | 48.5 | 5.0 | | 9.3 | | 51.7 | 38.9 | |
| 9.5 | | 52.3 | 22.3 | | 8.5 | | 22.6 | 20.4 | K | 9.0 | | 44.3 | 36.3 | | 9.4 | | 49.9 | 29.0 | | 7.0 | | 52.5 | 17.0 | L |
| 8.9 | 16 | 24.5 | 50.5 | | 9.3 | | 38.1 | 3.2 | | 9.5 | | 45.0 | 48.5 | | 8.0 | 6 | 7.1 | 56.2 | K | 6.5 | 19 | 6.9 | 41.3 | R |
| 8.9 | | 25.8 | 3.9 | K | 9.1 | | 41.5 | 25.9 | | 9.4 | 52 | 0.4 | 14.6 | | 9.3 | | 36.0 | 53.4 | | 9.2 | | 30.6 | 21.3 | |
| 9.5 | 17 | 5.9 | 21.6 | | 9.1 | | 52.3 | 48.9 | | 9.2 | | 3.5 | 34.0 | | 8.7 | | 43.2 | 33.1 | | 9.1 | | 42.1 | 53.3 | |
| 9.5 | | 16.2 | 34.1 | | 8.9 | | 58.9 | 22.3 | R | 8.4 | | 33.8 | 59.4 | | 8.7 | | 43.9 | 15.2 | | 9.5 | | 45.9 | 52.1 | |
| 8.2 | | 17.6 | 1.7 | K | 7.5 | 37 | 22.0 | 8.8 | L | 8.8 | | 46.4 | 58.5 | | 8.5 | | 58.4 | 21.4 | | 9.5 | | 50.8 | 39.2 | |
| 9.5 | | 31.5 | 22.7 | | 9.5 | | 24.7 | 58.4 | | 7.5 | 53 | 0.6 | 6.2 | L | 8.8 | 7 | 19.5 | 38.2 | | 9.5 | 20 | 7.0 | 56.6 | |
| 9.5 | 18 | 12.9 | 44.2 | | 9.5 | | 32.4 | 57.0 | | 9.1 | | 22.7 | 56.8 | | 8.8 | | 19.9 | 43.4 | | 7.5 | | 30.0 | 21.8 | K |
| 9.5 | | 37.0 | 44.5 | | 9.5 | | 40.0 | 15.9 | | 9.0 | | 22.7 | 13.2 | | 8.6 | | 25.0 | 47.1 | K | 9.0 | | 35.5 | 59.3 | |
| 6.7 | 19 | 10.6 | 43.7 | K | 9.3 | | 40.2 | 8.2 | R | 9.0 | | 43.0 | 22.1 | | 9.5 | | 42.0 | 32.7 | | 9.5 | | 49.2 | 38.1 | |
| 9.0 | | 16.5 | 13.6 | | 9.5 | | 41.9 | 22.5 | | 9.1 | | 47.0 | 25.2 | | 8.5 | | 48.1 | 33.8 | L | 9.2 | 21 | 7.1 | 10.4 | |
| 9.3 | | 22.2 | 6.8 | | 9.5 | 39 | 7.0 | 8.4 | | 9.0 | | 47.8 | 29.3 | | 9.5 | | 48.4 | 33.0 | | 9.5 | | 10.3 | 23.7 | |
| 9.4 | | 37.9 | 21.2 | | 9.5 | | 15.9 | 49.6 | | 9.5 | 54 | 0.7 | 42.4 | | 8.0 | 8 | 4.2 | 16.1 | K | 8.9 | | 20.1 | 44.6 | B |
| 8.5 | | 47.4 | 10.0 | | 9.5 | | 42.9 | 12.1 | | 8.9 | | 6.9 | 45.8 | K | 8.3 | | 13.2 | 14.5 | K | 9.2 | | 23.2 | 6.7 | |
| 9.5 | 20 | 2.7 | 24.7 | | 9.1 | | 44.6 | 5.0 | | 9.5 | | 27.6 | 53.0 | | 6.0 | | 15.0 | 45.9 | G | 9.5 | | 38.0 | 33.4 | |
| 8.9 | | 23.4 | 25.2 | | 7.5 | 40 | 0.4 | 24.4 | L | 8.2 | | 53.9 | 17.7 | K | 9.4 | | 21.0 | 54.5 | | 9.5 | | 44.1 | 50.7 | |
| 8.5 | | 40.0 | 54.8 | | 9.5 | | 1.7 | 42.7 | | 9.0 | 55 | 6.8 | 41.0 | K | 9.3 | | 22.5 | 47.5 | | 9.0 | | 45.4 | 13.2 | |
| 9.5 | 21 | 9.3 | 47.6 | | 9.4 | | 58.6 | 40.9 | | 9.1 | | 9.6 | 34.2 | | 9.5 | | 45.2 | 25.1 | | 9.4 | 22 | 0.8 | 7.5 | |
| 8.8 | 22 | 12.1 | 32.0 | | 6.0 | 41 | 4.9 | 56.6 | K | 9.4 | | 20.9 | 25.5 | | 9.5 | | 46.4 | 38.0 | | 9.5 | | 4.5 | 33.4 | |
| 9.2 | | 34.3 | 54.5 | | 9.3 | | 19.5 | 1.2 | | 8.9 | | 32.5 | 47.7 | K | 9.5 | | 50.5 | 2.9 | | 9.3 | | 9.6 | 37.8 | |
| 8.7 | | 59.8 | 2.9 | K | 9.4 | | 26.6 | 56.5 | | 9.5 | | 47.1 | 25.1 | | 9.5 | 9 | 16.6 | 34.5 | | 9.5 | | 21.7 | 49.3 | |
| 9.1 | 23 | 9.6 | 32.3 | K | 9.4 | | 28.7 | 8.9 | | 9.5 | | 47.6 | 15.5 | | 9.5 | | 36.9 | 19.7 | | 9.5 | | 22.9 | 56.3 | |
| 9.4 | | 12.5 | 41.2 | | 9.2 | | 34.2 | 50.7 | K | 9.3 | 56 | 5.5 | 1.6 | | 9.4 | | 54.8 | 1.8 | | 9.1 | | 34.0 | 52.8 | |
| 9.5 | | 39.2 | 12.4 | | 8.0 | | 38.3 | 37.2 | K | 9.0 | | 44.1 | 51.2 | | 9.5 | | 58.8 | 23.9 | | 9.4 | | 36.0 | 52.8 | |
| 9.1 | 24 | 10.5 | 52.6 | K | 9.5 | 42 | 33.9 | 38.2 | | 9.5 | 57 | 22.4 | 59.6 | | 9.5 | 10 | 0.7 | 36.2 | | 9.5 | 23 | 25.6 | 4.0 | |
| 9.5 | | 17.9 | 15.9 | | 9.5 | | 35.3 | 7.2 | | 9.0 | | 29.8 | 10.4 | | 9.5 | | 41.9 | 58.2 | | 9.2 | | 29.9 | 20.3 | |
| 8.8 | | 21.9 | 32.4 | | 9.1 | | 40.2 | 47.9 | | 9.4 | | 30.9 | 52.4 | | 9.4 | | 43.6 | 40.1 | | 8.4 | | 42.3 | 52.4 | |
| 8.3 | | 23.6 | 4.1 | K | 7.0 | 43 | 20.5 | 17.2 | K | 9.0 | | 56.3 | 14.6 | | 9.2 | | 47.0 | 17.0 | | 7.7 | | 43.3 | 40.3 | K |
| 9.3 | 25 | 18.3 | 1.6 | | 9.5 | 44 | 28.9 | 28.7 | | 9.2 | 58 | 18.4 | 50.2 | K | 9.4 | 11 | 15.9 | 20.0 | | 9.5 | | 50.4 | 32.2 | |
| 9.5 | | 31.6 | 41.7 | | 9.5 | | 53.2 | 36.1 | | 9.3 | | 37.0 | 26.5 | | 8.5 | | 16.9 | 57.6 | K | 8.9 | | 50.5 | 58.5 | |
| 9.5 | 26 | 9.0 | 4.6 | | 9.4 | 45 | 47.5 | 51.1 | | 8.3 | | 38.3 | 17.6 | L | 9.2 | | 53.0 | 55.3 | B | 9.4 | | 50.6 | 18.9 | |
| 9.4 | | 16.9 | 21.4 | | 9.1 | | 50.9 | 14.8 | | 8.0 | | 38.9 | 5.3 | K | 9.0 | | 53.9 | 13.9 | | 8.8 | 24 | 38.9 | 15.7 | |
| 9.5 | | 54.6 | 13.2 | | 7.5 | 46 | 15.6 | 29.0 | Lb | 9.3 | | 48.8 | 9.4 | | 9.1 | | 55.2 | 11.1 | | 9.5 | | 40.8 | 33.6 | |
| 9.5 | | 56.3 | 57.9 | | 8.8 | | 22.9 | 22.8 | | 9.1 | 59 | 27.6 | 26.9 | | 9.2 | | 57.9 | 26.3 | | 9.5 | | 46.0 | 59.4 | |
| 9.5 | 27 | 42.9 | 44.9 | | 9.8 | | 34.2 | 29.2 | | 8.8 | | 54.9 | 42.1 | | 9.5 | 12 | 53.5 | 48.6 | | 9.5 | | 57.6 | 39.7 | |
| 9.5 | | 46.0 | 40.8 | | 9.4 | | 35.2 | 31.2 | | 9.5 | 0 | 19.7 | 31.0 | | 9.5 | 13 | 6.9 | 17.2 | | 9.5 | 25 | 0.5 | 9.0 | |
| 9.2 | | 47.6 | 36.2 | | 8.8 | | 38.9 | 12.1 | | 7.6 | 1 | 2.9 | 59.7 | G | 9.4 | | 14.5 | 54.8 | | 9.5 | | 13.7 | 50.2 | |
| 9.1 | | 51.7 | 28.3 | b | 9.5 | 47 | 2.2 | 54.5 | | 9.3 | | 22.6 | 11.8 | | 9.5 | 14 | 26.8 | 28.6 | | 9.5 | | 22.4 | 14.9 | |
| 9.0 | 28 | 10.2 | 36.9 | K | 9.5 | | 3.8 | 22.5 | | 8.0 | | 25.7 | 23.4 | B | 9.5 | 15 | 3.9 | 32.8 | | 9.5 | | 34.5 | 35.6 | |
| 9.1 | | 19.8 | 56.7 | | 9.5 | | 14.6 | 24.5 | | 9.2 | | 28.6 | 36.8 | | 8.9 | | 12.7 | 29.7 | | 9.0 | | 50.0 | 8.4 | K |
| 9.4 | | 34.5 | 3.9 | | 8.0 | | 25.5 | 43.9 | K | 8.7 | | 47.9 | 33.9 | | 8.9 | | 14.0 | 53.0 | | 9.4 | | 55.9 | 48.2 | |
| 9.5 | 29 | 31.0 | 4.9 | | 9.5 | | 26.6 | 56.3 | | 9.1 | | 48.5 | 36.1 | | 9.4 | | 26.8 | 24.8 | | 8.5 | | 59.5 | 32.5 | B |
| 10 pr. | | + 20.24 | − 0.59 | | 10 pr. | | + 20.12 | − 0.30 | | 10 pr. | | + 20.09 | − 0.09 | | 10 pr. | | + 20.09 | − 0.12 | | 10 pr. | | − 20.13 | + 0.31 | |

| 3201—3260 | | | | | 3261—3320 | | | | | 3321—3380 | | | | | 3381—3440 | | | | | 3441—3500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵃ | | +38° | | | 18ᵃ | | +38° | | | 18ᵃ | | +38° | | | 18ᵃ—19ᵃ | | +38° | | | 19ᵃ | | +38° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.2 | | 26 2.8 | 33.6 | | 9.5 | | 36 41.0 | 10.3 | | 8.5 | | 46 2.8 | 11.1 | | 9.4 | | 53 46.0 | 11.5 | | 7.0 | | 2 52.4 | 41.9 | K |
| 8.6 | | 4.7 | 1.0 | K | 9.5 | | 56.9 | 30.6 | | 9.4 | | 8.9 | 17.0 | B | 9.0 | | 51.2 | 23.8 | K | 9.5 | | 57.8 | 56.8 | B |
| 9.2 | | 10.3 | 51.1 | | 9.5 | | 57.7 | 23.6 | | 8.8 | | 13.7 | 40.7 | | 9.0 | | 54 3.4 | 1.1 | | 9.4 | | 3 2.1 | 18.1 | |
| 9.5 | | 15.8 | 51.1 | | 9.5 | | 37 6.3 | 53.2 | | 8.8 | | 14.0 | 48.1 | | 9.5 | | 15.8 | 47.6 | | 9.5 | | 12.5 | 15.0 | |
| 8.3 | | 35.0 | 16.3 | | 9.5 | | 14.2 | 5.5 | | 9.4 | | 14.2 | 58.8 | | 9.3 | | 55 0.2 | 21.2 | | 6.9 | | 18.2 | 55.7 | K |
| 9.0 | | 42.6 | 40.3 | | 9.3 | | 22.0 | 10.4 | | 9.4 | | 24.1 | 58.9 | | 9.5 | | 1.7 | 23.4 | | 9.5 | | 28.8 | 17.5 | |
| 9.2 | 27 | 15.2 | 36.8 | Kb | 9.4 | | 39.8 | 51.6 | | 7.2 | | 27.0 | 27.6 | G | 9.5 | | 2.1 | 44.2 | | 9.4 | | 29.0 | 31.5 | |
| 9.5 | | 30.9 | 32.6 | | 9.5 | | 53.5 | 45.9 | | 9.1 | | 47.1 | 14.2 | B | 9.5 | | 20.8 | 2.0 | | 9.5 | | 29.6 | 2.1 | |
| 9.4 | | 41.7 | 59.1 | | 9.4 | | 38 11.6 | 37.5 | | 9.3 | | 53.0 | 55.4 | Kb | 9.5 | | 25.5 | 42.7 | | 7.2 | | 39.7 | 16.4 | L |
| 9.4 | | 44.8 | 15.8 | | 9.4 | | 15.2 | 52.6 | | 9.2 | | 55.0 | 13.2 | K | 9.5 | | 25.7 | 9.6 | | 9.4 | | 47.9 | 30.2 | |
| 8.2 | | 51.9 | 45.4 | K | 8.3 | | 18.5 | 13.6 | G | 9.5 | | 57.8 | 46.8 | | 8.9 | | 40.2 | 18.2 | | 9.4 | | 48.4 | 21.9 | |
| 9.5 | | 58.3 | 50.2 | | 8.8 | | 28.6 | 2.1 | R | 9.5 | 47 | 14.5 | 17.0 | | 9.3 | | 42.8 | 28.4 | | 9.5 | | 54.8 | 15.2 | |
| 6.8 | 28 | 0.2 | 44.0 | K | 9.5 | | 52.7 | 15.8 | | 9.4 | | 17.6 | 33.9 | | 9.2 | | 45.4 | 21.8 | | 7.8 | 4 | 5.2 | 40.1 | L |
| 9.5 | | 28.1 | 45.2 | | 9.0 | | 53.0 | 52.6 | | 9.5 | | 24.7 | 16.8 | | 9.5 | | 47.9 | 24.3 | | 9.4 | | 8.3 | 6.9 | |
| 9.5 | | 46.3 | 18.1 | | 9.5 | 39 | 10.5 | 31.7 | | 9.5 | 48 | 14.8 | 7.3 | | 9.2 | 56 | 24.8 | 4.8 | Kb | 8.0 | | 29.2 | 28.8 | L |
| 9.5 | | 50.9 | 52.9 | | 7.0 | | 11.0 | 23.0 | K | 7.5 | | 20.3 | 45.3 | B | 9.4 | | 42.0 | 57.9 | | 9.3 | | 41.2 | 47.3 | |
| 8.7 | 29 | 9.0 | 25.3 | K | 8.8 | | 22.0 | 26.7 | K | 8.7 | | 22.5 | 58.3 | | 9.4 | 57 | 9.5 | 21.3 | | 9.3 | | 49.0 | 34.8 | B |
| 9.2 | | 12.8 | 48.0 | | 7.7 | | 44.3 | 55.4 | K | 9.3 | | 24.0 | 35.4 | | 9.3 | | 12.2 | 42.1 | | 8.5 | 5 | 0.9 | 7.5 | K |
| 7.3 | | 15.1 | 19.7 | K | 9.4 | | 49.1 | 25.0 | | 9.2 | | 30.2 | 54.2 | | 9.5 | | 12.4 | 0.9 | | 9.2 | | 2.8 | 59.0 | B |
| 9.1 | | 23.7 | 15.6 | | 7.5 | 40 | 16.0 | 10.2 | S | 9.3 | | 32.8 | 32.4 | | 9.5 | | 19.3 | 11.5 | | 9.3 | | 5.8 | 59.8 | |
| 9.4 | | 33.9 | 5.7 | | 9.5 | | 24.8 | 47.0 | | 8.6 | | 36.9 | 28.4 | | 8.5 | | 25.7 | 56.9 | K | 9.4 | | 15.1 | 49.9 | |
| 8.8 | | 47.2 | 1.5 | | 9.5 | | 32.4 | 54.7 | | 9.5 | | 40.5 | 0.5 | | 9.4 | | 29.4 | 17.4 | | 8.0 | | 28.4 | 19.3 | K |
| 9.4 | | 55.0 | 26.0 | | 8.3 | | 37.5 | 15.1 | B | 9.1 | | 43.7 | 24.7 | | 8.7 | | 31.8 | 50.7 | | 7.8 | | 50.0 | 40.1 | B |
| 9.2 | | 55.0 | 43.5 | | 8.9 | | 40.6 | 34.6 | | 9.5 | | 51.1 | 33.8 | | 9.4 | | 40.5 | 51.0 | | 7.9 | | 55.2 | 55.9 | K |
| 9.3 | | 57.6 | 55.1 | | 8.8 | | 42.0 | 7.2 | | 9.5 | 49 | 4.2 | 33.0 | | 9.5 | | 45.5 | 3.3 | B | 8.8 | 6 | 5.1 | 55.7 | K |
| 9.0 | 30 | 5.4 | 8.2 | | 9.3 | | 47.0 | 58.1 | | 9.4 | | 7.4 | 7.7 | | 9.2 | | 48.3 | 42.0 | | 7.3 | | 13.7 | 32.7 | K |
| 9.3 | | 24.3 | 42.2 | | 8.8 | | 55.1 | 1.4 | | 9.5 | | 9.0 | 27.9 | | 9.5 | | 48.6 | 49.3 | | 9.5 | | 25.8 | 5.7 | |
| 8.7 | | 27.0 | 56.3 | K | 9.4 | 41 | 8.5 | 3.8 | | 9.5 | | 10.8 | 19.8 | | 9.0 | | 55.3 | 16.4 | | 9.2 | | 33.0 | 50.4 | B |
| 7.3 | | 30.5 | 47.1 | Kb | 9.3 | | 9.9 | 54.7 | | 8.7 | | 18.9 | 40.8 | | 9.5 | 58 | 21.5 | 55.5 | | 9.4 | | 41.2 | 29.7 | |
| 9.5 | | 40.6 | 7.1 | | 9.5 | | 11.7 | 5.5 | | 9.4 | | 27.1 | 34.4 | | 9.0 | | 35.2 | 38.2 | R | 8.9 | | 50.3 | 9.4 | |
| 8.7 | | 44.2 | 55.7 | K | 8.3 | | 29.0 | 10.0 | G | 8.8 | | 35.0 | 9.2 | R | 9.5 | | 36.8 | 2.8 | B | 9.5 | 7 | 1.5 | 47.7 | |
| 9.3 | 31 | 0.8 | 14.6 | | 8.1 | | 39.0 | 12.2 | G | 9.3 | | 37.7 | 28.0 | | 9.5 | | 47.3 | 40.3 | | 9.5 | | 19.8 | 49.5 | |
| 9.0 | | 38.1 | 23.6 | | 9.1 | | 42.2 | 36.9 | | 9.2 | 50 | 2.5 | 59.0 | | 9.5 | | 48.2 | 3.6 | | 9.2 | | 21.0 | 34.3 | |
| 9.4 | | 39.7 | 56.5 | | 9.4 | | 42.6 | 43.1 | | 9.5 | | 10.8 | 7.7 | | 9.5 | | 50.5 | 27.1 | | 9.5 | | 27.6 | 56.4 | |
| 9.3 | | 47.8 | 33.9 | | 9.3 | 42 | 4.3 | 22.1 | | 9.5 | | 26.0 | 3.2 | | 9.0 | | 53.1 | 8.6 | K | 9.5 | | 28.1 | 25.2 | |
| 9.4 | | 52.0 | 46.4 | | 9.5 | | 20.8 | 39.8 | | 9.5 | | 26.3 | 12.8 | | 9.5 | | 53.5 | 27.8 | | 9.5 | | 28.3 | 13.2 | |
| 7.8 | | 57.1 | 23.9 | R | 8.0 | | 21.3 | 12.4 | G | 8.3 | | 44.6 | 19.7 | | 9.5 | | 58.0 | 12.5 | | 9.5 | | 28.9 | 27.4 | |
| 1.0 | 32 | 1.9 | 39.1 | B | 9.5 | | 41.5 | 8.2 | | 9.2 | | 51.2 | 51.8 | | 9.5 | 59 | 6.4 | 48.1 | | 9.2 | | 32.1 | 30.4 | B |
| 9.1 | | 8.9 | 45.1 | | 9.5 | | 47.0 | 41.0 | B | 9.2 | 51 | 35.6 | 43.2 | | 9.2 | | 8.0 | 1.7 | | 9.5 | | 38.2 | 49.5 | |
| 9.3 | | 33.6 | 45.0 | | 8.9 | | 49.1 | 50.5 | | 9.5 | 52 | 5.1 | 57.0 | | 9.3 | | 9.5 | 55.1 | B | 9.3 | | 48.8 | 32.7 | |
| 9.5 | 33 | 6.9 | 38.0 | | 8.7 | | 54.4 | 55.3 | | 9.2 | | 9.6 | 42.8 | | 9.3 | | 15.4 | 45.9 | | 9.5 | | 52.9 | 55.8 | |
| 9.3 | | 29.3 | 42.0 | | 9.5 | 43 | 11.0 | 31.1 | | 7.6 | | 11.7 | 36.4 | L | 9.5 | | 24.2 | 58.0 | | 9.5 | 8 | 7.2 | 12.9 | |
| 9.4 | | 31.5 | 47.7 | | 9.4 | | 14.5 | 59.0 | | 9.2 | | 15.5 | 57.5 | | 8.3 | | 47.3 | 40.7 | K | 9.5 | | 9.5 | 18.6 | |
| 9.5 | | 32.0 | 50.2 | | 9.3 | | 29.9 | 30.3 | B | 8.7 | | 19.6 | 32.8 | | 7.7 | | 52.4 | 31.3 | K | 9.5 | | 9.7 | 31.0 | |
| 9.5 | | 41.7 | 6.9 | | 9.5 | | 37.4 | 57.3 | | 8.9 | | 22.3 | 1.2 | K | 8.6 | | 53.2 | 50.3 | | 9.4 | | 9.8 | 44.3 | |
| 9.4 | | 50.6 | 47.7 | | 9.3 | | 40.2 | 18.0 | | 9.5 | | 32.2 | 53.0 | | 9.3 | 0 | 10.4 | 3.4 | | 9.3 | | 15.9 | 51.6 | |
| 9.0 | 34 | 8.0 | 54.1 | | 9.5 | | 45.0 | 32.4 | | 9.0 | | 37.0 | 44.6 | | 9.5 | | 31.9 | 7.1 | | 9.4 | | 30.3 | 1.7 | |
| 9.2 | | 18.5 | 58.2 | | 9.5 | 44 | 6.0 | 54.2 | | 9.3 | | 40.1 | 23.9 | | 8.5 | | 48.0 | 18.7 | S | 8.2 | | 32.6 | 47.6 | K |
| 9.5 | | 33.1 | 22.5 | | 9.5 | | 7.6 | 50.8 | | 9.5 | | 40.8 | 14.0 | | 9.0 | | 48.0 | 18.2 | | 9.0 | | 35.2 | 48.1 | K |
| 9.1 | | 46.4 | 2.7 | | 9.4 | | 23.9 | 50.8 | B | 9.4 | | 45.7 | 40.9 | | 8.2 | | 51.2 | 54.0 | K | 4.5 | | 49.4 | 54.0 | Kb |
| 8.7 | | 53.0 | 53.4 | | 8.8 | | 39.7 | 8.2 | | 9.1 | | 56.5 | 52.0 | | 8.9 | | 57.1 | 21.9 | | 9.0 | | 52.0 | 54.0 | K |
| 9.1 | | 57.2 | 43.3 | b | 7.3 | | 43.2 | 15.6 | K | 9.4 | 53 | 1.2 | 46.3 | | 9.2 | | 59.7 | 29.8 | | 9.4 | | 55.9 | 26.1 | |
| 9.5 | 35 | 11.5 | 30.4 | | 9.2 | | 43.5 | 38.1 | | 6.2 | | 4.6 | 4.1 | K | 9.2 | | 8.3 | 13.0 | | 7.7 | 9 | 1.8 | 43.6 | L |
| 7.2 | | 18.5 | 14.0 | G | 9.2 | | 44.4 | 21.4 | | 9.4 | | 5.7 | 24.3 | | 9.3 | | 21.8 | 25.3 | | 9.3 | | 11.1 | 35.4 | |
| 9.4 | | 18.5 | 58.8 | | 9.3 | | 49.0 | 17.7 | K | 9.2 | | 6.3 | 1.7 | S | 8.4 | | 28.7 | 8.2 | K | 9.3 | | 17.1 | 35.2 | |
| 9.4 | | 20.0 | 44.6 | | 9.5 | 45 | 13.2 | 18.1 | | 9.1 | | 8.3 | 15.3 | K | 9.5 | | 35.1 | 56.5 | | 9.2 | | 17.5 | 11.1 | |
| 9.5 | | 52.7 | 26.9 | | 9.3 | | 28.5 | 12.7 | | 9.2 | | 9.3 | 1.9 | a | 9.0 | | 36.2 | 59.0 | | 9.5 | | 25.7 | 56.2 | |
| 9.4 | 36 | 2.9 | 24.4 | | 9.5 | | 47.3 | 39.7 | | 8.2 | | 18.5 | 9.5 | K | 9.5 | | 45.4 | 33.5 | | 9.1 | | 33.5 | 20.9 | |
| 9.5 | | 11.5 | 2.2 | | 9.5 | | 53.8 | 56.7 | | 9.1 | | 35.2 | 58.9 | | 9.5 | 2 | 19.9 | 52.5 | | 8.5 | | 48.0 | 5.1 | B |
| 9.5 | | 19.8 | 46.4 | | 9.3 | 46 | 2.4 | 28.9 | | 9.5 | | 35.9 | 45.4 | | 9.5 | | 30.3 | 37.2 | | 9.5 | | 53.4 | 56.0 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr | | 20.17 | 0.45 | | 10 pr | | 20.25 | 0.60 | | 10 pr | | 20.33 | 0.71 | | 10 pr | | 20.43 | 0.85 | | 10 pr | | 20.54 | 0.97 | |

| 3501—3560 | | | | 3561—3620 | | | | 3621—3680 | | | | 3681—3740 | | | | 3741—3800 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵃ | +38° | | | 19ᵃ | +38° | | | 19ᵃ | +38° | | | 19ᵃ | +38° | | | 19ᵃ | +38° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.7 | 9 56.3 | 10.1 | | 9.4 | 17 39.2 | 37.4 | B | 8.8 | 25 20.8 | 37.7 | K | 9.1 | 32 15.8 | 25.4 | | 9.0 | 39 58.7 | 50.5 | K |
| 9.4 | 59.6 | 52.8 | | 9.4 | 39.4 | 18.4 | | 9.2 | 25.7 | 38.9 | B | 9.5 | 16.4 | 45.1 | | 9.5 | 40 0.3 | 24.7 | |
| 9.5 | 10 20.2 | 55.2 | | 9.2 | 51.5 | 25.1 | | 9.2 | 32.2 | 17.1 | B | 8.5 | 33 0.2 | 27.1 | R | 9.4 | 3.7 | 21.9 | |
| 7.3 | 23.6 | 27.6 | L | 8.3 | 18 2.0 | 18.4 | | 9.5 | 42.2 | 11.5 | | 9.1 | 3.9 | 11.2 | | 9.2 | 3.9 | 37.8 | |
| 9.5 | 25.8 | 10.5 | | 9.0 | 5.6 | 13.7 | | 9.3 | 45.8 | 17.8 | | 9.5 | 26.8 | 18.2 | | 9.4 | 7.4 | 8.2 | |
| 8.2 | 45.8 | 26.6 | B | 9.4 | 20.4 | 2.0 | | 9.0 | 50.6 | 38.2 | K | 9.5 | 31.1 | 54.8 | | 9.2 | 25.5 | 50.0 | K |
| 7.7 | 47.5 | 7.0 | B | 9.4 | 34.8 | 13.9 | | 9.5 | 53.3 | 7.6 | | 9.5 | 50.6 | 33.1 | | 9.5 | 30.0 | 0.9 | |
| 8.5 | 11 1.9 | 17.0 | | 8.5 | 38.1 | 42.9 | R | 9.5 | 56.6 | 10.6 | | 9.5 | 53.4 | 25.2 | | 9.5 | 33.7 | 28.4 | B |
| 9.2 | 13.4 | 7.8 | | 9.1 | 44.8 | 15.7 | | 9.5 | 26 5.4 | 2.9 | | 9.4 | 59.3 | 27.5 | | 9.2 | 43.9 | 9.5 | B |
| 9.5 | 19.7 | 24.9 | | 9.5 | 45.0 | 43.2 | | 9.4 | 8.2 | 47.6 | | 9.5 | 34 7.6 | 43.1 | a | 9.3 | 58.8 | 51.5 | |
| 8.4 | 34.2 | 46.0 | | 9.3 | 45.7 | 30.3 | | 9.4 | 11.3 | 0.5 | | 9.5 | 15.0 | 30.5 | | 9.5 | 41 5.9 | 52.8 | |
| 8.5 | 36.7 | 54.9 | K | 9.5 | 49.8 | 57.2 | | 7.5 | 12.1 | 6.1 | L | 9.5 | 15.4 | 40.6 | | 9.5 | 6.0 | 6.3 | |
| 9.5 | 42.8 | 7.5 | | 9.4 | 19 5.6 | 44.1 | | 9.5 | 20.1 | 56.5 | | 9.1 | 23.6 | 40.6 | R | 9.3 | 28.4 | 51.3 | |
| 8.0 | 45.3 | 37.4 | K | 9.3 | 12.0 | 50.7 | B | 9.5 | 22.4 | 52.2 | | 9.5 | 29.0 | 45.1 | | 9.4 | 31.2 | 14.4 | |
| 8.1 | 50.2 | 52.7 | L | 7.6 | 12.3 | 55.7 | K | 9.4 | 35.0 | 56.0 | B | 8.3 | 35.2 | 18.9 | G | 9.5 | 36.3 | 7.1 | |
| 9.1 | 53.9 | 26.3 | | 9.3 | 14.2 | 41.0 | | 9.4 | 49.3 | 3.9 | | 8.6 | 44.3 | 33.7 | Gb | 8.6 | 58.8 | 57.6 | K |
| 9.1 | 55.1 | 27.8 | | 9.5 | 20.5 | 30.6 | | 9.2 | 49.8 | 10.1 | | 9.5 | 48.1 | 49.3 | | 9.5 | 42 1.2 | 8.4 | |
| 6.7 | 12 11.6 | 46.6 | K | 8.2 | 40.2 | 29.1 | K | 9.1 | 54.7 | 1.9 | | 9.4 | 48.3 | 42.9 | B | 6.1 | 19.3 | 3.4 | K |
| 9.5 | 17.8 | 13.0 | | 9.5 | 53.7 | 9.6 | | 9.0 | 58.5 | 30.3 | | 9.3 | 35 6.2 | 32.5 | | 9.4 | 29.0 | 6.6 | |
| 6.7 | 23.1 | 52.0 | K | 8.9 | 20 9.4 | 51.3 | | 9.0 | 59.3 | 26.3 | | 9.5 | 13.2 | 11.0 | | 8.7 | 36.5 | 33.2 | |
| 9.5 | 25.2 | 8.5 | | 9.5 | 18.8 | 2.9 | | 9.5 | 27 15.8 | 2.2 | | 9.5 | 26.0 | 32.1 | | 9.0 | 36.7 | 12.0 | |
| 8.1 | 31.7 | 58.9 | K | 9.0 | 24.1 | 17.5 | | 9.4 | 22.2 | 46.0 | | 9.5 | 26.9 | 30.0 | | 9.5 | 56.8 | 28.5 | |
| 9.5 | 42.0 | 53.7 | | 9.5 | 37.9 | 23.1 | | 9.5 | 33.8 | 36.0 | | 9.5 | 32.2 | 19.7 | | 9.0 | 43 2.1 | 26.0 | |
| 9.5 | 47.5 | 43.4 | | 9.5 | 38.7 | 35.7 | | 9.2 | 42.3 | 37.2 | B | 9.5 | 37.2 | 8.3 | | 9.4 | 7.3 | 1.3 | |
| 8.7 | 48.2 | 9.6 | | 9.4 | 44.2 | 21.1 | | 9.5 | 50.2 | 55.9 | | 9.4 | 43.4 | 12.3 | B | 9.5 | 11.9 | 14.0 | |
| 8.3 | 58.8 | 28.4 | B | 9.4 | 50.0 | 33.5 | | 9.1 | 51.6 | 10.5 | | 9.4 | 45.6 | 11.0 | | 9.5 | 21.5 | 49.6 | |
| 8.4 | 59.8 | 1.1 | | 8.0 | 21 5.4 | 31.3 | K | 9.3 | 54.7 | 47.3 | | 9.4 | 55.9 | 21.9 | | 9.0 | 37.4 | 38.2 | |
| 9.1 | 13 1.3 | 35.7 | | 9.4 | 7.5 | 55.2 | | 9.5 | 28 15.0 | 35.4 | | 9.2 | 36 9.0 | 7.3 | | 9.5 | 39.0 | 33.5 | |
| 9.5 | 13.2 | 58.2 | | 9.3 | 12.6 | 44.0 | | 9.4 | 25.6 | 50.1 | | 9.1 | 12.8 | 30.5 | | 8.8 | 53.1 | 15.0 | K |
| 9.5 | 18.9 | 48.6 | | 8.8 | 19.2 | 38.0 | K | 6.6 | 33.7 | 27.6 | K | 8.3 | 16.3 | 27.0 | K | 9.0 | 56.8 | 48.1 | |
| 9.4 | 21.1 | 59.6 | B | 9.3 | 23.5 | 41.0 | | 9.4 | 34.0 | 46.6 | | 7.9 | 17.6 | 7.5 | K | 9.3 | 44 16.9 | 36.2 | |
| 9.3 | 37.2 | 20.4 | | 9.5 | 25.9 | 51.4 | | 9.5 | 34.1 | 16.1 | B | 8.8 | 19.0 | 48.4 | | 6.8 | 20.3 | 20.9 | Kb |
| 9.5 | 48.4 | 40.9 | | 9.4 | 37.8 | 12.9 | | 9.5 | 34.8 | 45.6 | | 9.0 | 33.2 | 34.1 | | 8.3 | 36.0 | 32.9 | |
| 9.0 | 55.2 | 54.5 | K | 8.9 | 47.1 | 38.7 | | 9.0 | 45.2 | 44.9 | | 9.3 | 35.3 | 50.2 | | 9.5 | 44.2 | 9.4 | |
| 9.0 | 14 7.9 | 13.0 | | 9.5 | 54.0 | 23.9 | | 9.4 | 49.9 | 25.4 | | 9.3 | 36.7 | 58.6 | | 9.5 | 44.3 | 50.4 | B |
| 9.5 | 15.2 | 40.9 | | 9.5 | 59.5 | 26.4 | | 9.0 | 52.2 | 31.3 | K | 9.5 | 37 10.1 | 30.8 | | 9.5 | 45 13.1 | 11.9 | |
| 9.5 | 16.0 | 52.7 | | 9.4 | 22 2.2 | 48.3 | | 9.5 | 58.3 | 1.4 | | 9.5 | 16.6 | 11.5 | | 9.5 | 17.7 | 28.9 | |
| 8.3 | 20.5 | 15.7 | | 9.3 | 2.8 | 3.3 | | 9.5 | 29 16.8 | 11.5 | | 9.5 | 23.5 | 51.5 | | 9.5 | 18.3 | 31.4 | |
| 9.5 | 31.3 | 36.1 | | 9.5 | 11.4 | 51.0 | | 8.8 | 36.2 | 55.0 | K | 9.4 | 27.3 | 6.0 | | 9.4 | 21.1 | 30.4 | |
| 9.4 | 44.4 | 8.4 | | 9.5 | 25.2 | 42.9 | | 8.7 | 38.5 | 57.2 | K | 9.4 | 27.9 | 8.2 | | 5.5 | 25.9 | 21.2 | K |
| 9.4 | 48.5 | 25.4 | | 8.2 | 27.0 | 30.8 | | 9.0 | 43.3 | 40.0 | | 9.5 | 30.8 | 20.0 | | 9.5 | 28.5 | 40.1 | |
| 9.5 | 15 1.3 | 8.5 | | 9.4 | 23 16.5 | 13.7 | B | 9.5 | 47.4 | 6.4 | | 8.8 | 55.3 | 5.8 | | 9.0 | 37.2 | 15.8 | K |
| 9.5 | 10.2 | 37.4 | | 9.5 | 17.2 | 32.7 | | 9.5 | 48.7 | 9.3 | | 8.8 | 38 1.3 | 5.0 | | 9.5 | 44.0 | 44.0 | |
| 8.8 | 24.7 | 7.5 | | 9.4 | 17.6 | 51.5 | | 9.4 | 30 0.2 | 16.2 | | 9.4 | 2.6 | 36.2 | | 8.9 | 51.1 | 48.2 | |
| 8.5 | 29.2 | 9.3 | | 9.5 | 22.3 | 11.9 | | 9.2 | 1.0 | 33.5 | | 6.7 | 4.5 | 19.5 | G | 9.2 | 51.6 | 39.2 | |
| 9.4 | 30.9 | 30.5 | B | 9.5 | 25.0 | 40.0 | | 9.1 | 26.0 | 15.9 | | 9.4 | 8.3 | 16.0 | | 9.3 | 56.5 | 35.2 | |
| 8.7 | 38.3 | 54.7 | | 9.4 | 52.8 | 8.2 | | 9.5 | 32.1 | 52.2 | | 9.2 | 20.8 | 34.5 | | 9.1 | 46 7.0 | 20.8 | |
| 9.5 | 51.5 | 45.0 | | 9.2 | 53.7 | 17.9 | | 9.2 | 39.2 | 40.1 | | 9.5 | 26.7 | 14.0 | | 9.2 | 10.2 | 8.0 | |
| 9.5 | 52.3 | 42.0 | | 9.0 | 24 7.6 | 25.8 | | 9.5 | 49.2 | 28.0 | | 9.5 | 28.3 | 17.0 | | 9.0 | 20.6 | 54.7 | K |
| 8.2 | 59.0 | 30.9 | Kb | 9.5 | 12.3 | 23.4 | | 9.5 | 31 9.6 | 38.2 | | 9.5 | 31.0 | 31.3 | | 8.9 | 31.1 | 22.9 | K |
| 9.5 | 16 26.1 | 27.8 | | 9.5 | 14.9 | 8.5 | | 9.5 | 36.2 | 58.4 | | 9.1 | 32.3 | 1.8 | | 9.0 | 45.0 | 42.3 | K |
| 9.5 | 40.8 | 2.5 | | 9.0 | 15.4 | 6.2 | K | 9.5 | 36.5 | 49.9 | | 9.2 | 34.4 | 0.0 | | 9.4 | 56.6 | 40.6 | |
| 9.5 | 51.5 | 45.1 | | 9.2 | 21.5 | 32.5 | | 9.5 | 37.8 | 55.7 | | 8.8 | 39.6 | 2.0 | B | 9.5 | 47 6.2 | 1.3 | |
| 9.0 | 56.0 | 53.2 | | 9.1 | 29.0 | 55.5 | | 9.0 | 39.2 | 12.0 | | 9.5 | 38.6 | 57.3 | | 8.9 | 20.1 | 55.4 | |
| 9.5 | 56.9 | 49.0 | | 9.4 | 37.2 | 20.0 | | 9.2 | 42.0 | 23.6 | | 9.5 | 39 9.1 | 4.6 | | 9.5 | 24.6 | 0.4 | B |
| 9.5 | 59.8 | 8.5 | | 9.5 | 44.6 | 48.8 | | 9.4 | 45.6 | 50.0 | B | 9.5 | 14.7 | 23.6 | | 8.2 | 33.3 | 27.0 | G |
| 9.4 | 17 9.7 | 29.0 | | 9.3 | 49.1 | 50.6 | | 6.5 | 51.4 | 3.5 | K | 9.2 | 16.0 | 53.5 | | 9.0 | 42.2 | 54.0 | |
| 8.6 | 23.5 | 6.7 | | 9.5 | 55.5 | 44.0 | B | 9.4 | 54.8 | 46.5 | | 9.2 | 18.2 | 48.1 | | 8.0 | 44.3 | 17.9 | S |
| 9.2 | 26.2 | 34.0 | | 9.5 | 25 17.5 | 46.8 | B | 9.1 | 32 10.2 | 24.4 | B | 8.5 | 20.0 | 56.5 | K | 9.5 | 44.3 | 57.8 | |
| 9.5 | 39.2 | 35.9 | | 9.0 | 19.7 | 59.6 | | 6.8 | 12.5 | 16.2 | G | 9.5 | 58.3 | 17.4 | | 9.3 | 51.3 | 2.6 | |
| 10pr. | 20.63 | 1.05 | | 10pr. | 20.74 | 1.16 | | 10pr. | 20.87 | 1.26 | | 10pr. | 21.01 | 1.36 | | 10pr. | 21.17 | 1.46 | |

3801—3860

| m | 19ᵘ | +38° | |
|---|---|---|---|
| 8.0 | 47′ 53.″2 | 23.′1 | G |
| 9.0 | 48 5.0 | 51.3 | |
| 9.5 | 6.0 | 5.4 | |
| 9.5 | 24.9 | 0.8 | |
| 9.5 | 34.0 | 5.9 | |
| 9.5 | 37.9 | 50.8 | |
| 9.4 | 39.3 | 1.4 | B |
| 9.5 | 41.5 | 52.0 | |
| 8.2 | 45.2 | 43.8 | K |
| 8.2 | 49 12.8 | 6.1 | K |
| 9.5 | 16.7 | 55.2 | |
| 9.3 | 21.9 | 20.9 | |
| 9.3 | 25.1 | 28.8 | |
| 9.5 | 50 12.6 | 25.8 | |
| 9.5 | 28.8 | 43.6 | |
| 8.6 | 36.4 | 13.5 | K |
| 5.5 | 41.3 | 6.2 | Kb |
| 9.0 | 56.5 | 21.9 | |
| 9.0 | 58.2 | 35.2 | |
| 9.3 | 59.4 | 28.5 | |
| 9.2 | 51 20.1 | 12.2 | |
| 9.4 | 30.5 | 16.4 | |
| 9.0 | 30.6 | 9.2 | |
| 9.5 | 33.2 | 38.6 | |
| 9.5 | 53.3 | 30.0 | |
| 9.3 | 53.7 | 1.3 | |
| 9.5 | 55.3 | 19.9 | |
| 9.5 | 58.8 | 52.2 | |
| 9.5 | 52 1.7 | 43.4 | |
| 9.1 | 1.9 | 30.0 | |
| 9.0 | 7.5 | 39.9 | B |
| 6.8 | 17.2 | 4.3 | |
| 9.4 | 17.7 | 6.5 | |
| 9.5 | 18.3 | 21.7 | B |
| 9.5 | 24.0 | 6.4 | |
| 8.0 | 27.3 | 0.8 | B |
| 8.5 | 30.1 | 57.0 | K |
| 9.5 | 45.0 | 26.6 | |
| 8.4 | 46.8 | 17.0 | |
| 9.5 | 49.4 | 42.7 | |
| 9.4 | 59.5 | 48.6 | |
| 9.4 | 53 4.5 | 11.3 | |
| 9.5 | 5.8 | 8.0 | |
| 9.0 | 7.4 | 49.5 | |
| 9.3 | 17.1 | 1.1 | |
| 9.5 | 22.6 | 57.8 | |
| 9.1 | 24.5 | 12.1 | |
| 9.2 | 52.6 | 7.1 | |
| 9.4 | 56.0 | 30.6 | |
| 7.6 | 54 2.0 | 28.9 | B |
| 9.3 | 3.5 | 17.5 | |
| 9.5 | 13.4 | 11.9 | |
| 9.5 | 18.3 | 19.1 | |
| 9.3 | 18.8 | 13.9 | B |
| 9.3 | 38.2 | 23.2 | |
| 9.5 | 42.9 | 14.7 | |
| 9.5 | 46.2 | 6.4 | |
| 9.5 | 53.4 | 50.1 | |
| 9.5 | 54.3 | 54.3 | |
| 8.5 | 59.7 | 22.9 | K |
| 10 pr. | +21.34 | +1.57 | |

3861—3920

| m | 19ᵘ—20ᵘ | +38° | |
|---|---|---|---|
| 9.5 | 55′ 19.″0 | 1.′2 | |
| 7.2 | 23.5 | 48.1 | L |
| 9.1 | 25.4 | 52.1 | |
| 9.5 | 40.6 | 9.1 | |
| 8.3 | 51.3 | 19.3 | K |
| 9.5 | 56 3.4 | 15.8 | |
| 9.5 | 16.1 | 7.2 | |
| 9.3 | 17.8 | 37.3 | |
| 7.7 | 34.3 | 20.0 | K |
| 9.5 | 35.3 | 6.0 | |
| 8.5 | 48.4 | 15.6 | K |
| 9.5 | 58.1 | 24.5 | |
| 9.5 | 58.9 | 7.2 | |
| 9.0 | 57 1.3 | 56.1 | |
| 9.2 | 8.8 | 52.6 | |
| 9.0 | 9.4 | 32.6 | K |
| 9.4 | 14.7 | 5.4 | |
| 8.8 | 37.5 | 30.4 | |
| 9.2 | 41.7 | 5.4 | |
| 9.1 | 41.7 | 2.1 | |
| 8.8 | 46.6 | 45.2 | |
| 9.5 | 55.3 | 56.0 | |
| 9.3 | 58 1.3 | 36.2 | |
| 8.5 | 15.8 | 38.2 | |
| 9.5 | 16.6 | 59.2 | |
| 9.3 | 20.0 | 29.3 | |
| 9.5 | 24.0 | 58.2 | |
| 9.5 | 35.0 | 13.2 | |
| 9.5 | 35.2 | 21.0 | |
| 9.5 | 59 9.0 | 29.4 | |
| 9.4 | 23.6 | 43.9 | |
| 9.2 | 34.1 | 25.6 | |
| 8.5 | 38.3 | 55.5 | K |
| 9.5 | 48.3 | 19.8 | |
| 9.4 | 52.9 | 17.2 | |
| 6.8 | 52.7 | 3.7 | B |
| 9.2 | 57.1 | 44.2 | |
| 9.0 | 57.9 | 32.1 | |
| 9.5 | 0 8.6 | 43.9 | |
| 8.4 | 18.0 | 56.4 | K |
| 9.5 | 30.2 | 58.0 | |
| 9.4 | 30.7 | 40.2 | |
| 9.5 | 47.1 | 27.6 | |
| 9.5 | 53.7 | 40.2 | |
| 8.3 | 1 8.0 | 10.5 | L |
| 6.7 | 12.7 | 40.4 | G |
| 9.2 | 28.1 | 8.0 | |
| 9.2 | 32.5 | 56.9 | |
| 8.5 | 43.6 | 25.7 | |
| 8.9 | 2 6.7 | 3.7 | K |
| 9.1 | 11.0 | 28.9 | |
| 9.5 | 17.0 | 30.5 | |
| 7.9 | 20.0 | 12.7 | K |
| 9.0 | 26.1 | 26.9 | |
| 8.2 | 30.1 | 2.2 | K |
| 9.5 | 53.3 | 55.0 | |
| 8.5 | 59.2 | 23.2 | K |
| 9.3 | 3 3.6 | 43.2 | |
| 9.0 | 4.0 | 58.1 | |
| 9.5 | 41.7 | 39.7 | |
| 10 pr. | +21.49 | +1.66 | |

3921—3980

| m | 20ᵘ | +38° | |
|---|---|---|---|
| 9.5 | 3′ 57.″4 | 52.′3 | |
| 9.0 | 4 9.5 | 12.8 | |
| 9.5 | 25.4 | 59.3 | |
| 9.3 | 26.1 | 24.6 | |
| 9.4 | 30.0 | 44.6 | |
| 9.5 | 34.1 | 24.6 | |
| 6.8 | 38.1 | 42.6 | K |
| 9.3 | 41.3 | 20.7 | |
| 9.5 | 58.7 | 4.9 | |
| 9.5 | 5 0.8 | 45.1 | |
| 8.5 | 1.7 | 39.2 | K |
| 9.5 | 14.6 | 26.9 | |
| 9.3 | 28.9 | 34.6 | |
| 9.5 | 35.3 | 53.9 | |
| 9.5 | 39.7 | 3.3 | |
| 9.5 | 39.9 | 31.7 | |
| 9.5 | 49.5 | 58.0 | |
| 9.5 | 56.5 | 47.6 | |
| 7.5 | 6 11.2 | 23.4 | G |
| 7.4 | 24.1 | 26.8 | G |
| 8.3 | 31.4 | 14.7 | G |
| 8.2 | 37.4 | 16.0 | G |
| 9.4 | 48.7 | 24.2 | |
| 9.3 | 48.7 | 33.1 | |
| 9.3 | 54.3 | 37.1 | |
| 6.9 | 56.4 | 0.6 | B |
| 9.3 | 7 23.5 | 15.7 | |
| 8.9 | 25.1 | 35.1 | |
| 9.1 | 25.8 | 36.3 | |
| 9.3 | 27.1 | 8.6 | |
| 8.8 | 45.4 | 32.3 | |
| 8.8 | 48.0 | 2.3 | K |
| 9.0 | 8 0.8 | 38.0 | |
| 9.0 | 1.6 | 10.1 | |
| 9.2 | 3.6 | 26 6 | |
| 7.2 | 7.3 | 19.9 | K |
| var | 7.4 | 17.4 | K |
| 8.4 | 11.3 | 2.6 | K |
| 9.5 | 11.3 | 49.5 | |
| 9.4 | 20.4 | 16.6 | |
| 9.4 | 38.0 | 57.2 | |
| 9.5 | 40.0 | 58.3 | |
| 7.5 | 41.6 | 42.9 | K |
| 9.0 | 9 3.8 | 2.9 | |
| 9.0 | 22.0 | 28.8 | |
| 9.2 | 22.1 | 2.4 | |
| 9.3 | 27.6 | 8.1 | |
| 9.0 | 31.4 | 0.8 | |
| 9.5 | 40.4 | 15.5 | |
| 9.5 | 54.3 | 19.7 | |
| 7.9 | 55.1 | 10.1 | K |
| 9.0 | 10 7.3 | 37.1 | |
| 9.0 | 7.4 | 35.1 | |
| 9.2 | 11.2 | 39.9 | |
| 9.5 | 30.2 | 35.4 | |
| 9.5 | 47.3 | 5.7 | |
| 6.5 | 48.6 | 27.2 | K |
| 9.3 | 11 4.3 | 56.8 | |
| 9.5 | 9.8 | 37.6 | |
| 8.1 | 23.1 | 27.2 | K |
| 10 pr. | +21.69 | +1.77 | |

3981—4040

| m | 20ᵘ | +38° | |
|---|---|---|---|
| 9.5 | 11′ 29.″5 | 10.′7 | |
| 9.5 | 44.5 | 46.0 | |
| 9.5 | 52.2 | 22.0 | |
| 9.5 | 56.2 | 23.0 | |
| 9.5 | 56.9 | 55.5 | |
| 9.5 | 12 5.0 | 56.5 | |
| 9.3 | 11.4 | 35.5 | |
| 9.4 | 16.7 | 6.7 | |
| 9.4 | 18.5 | 47.0 | |
| 8.4 | 22.5 | 29.2 | K |
| 8.8 | 25.0 | 9.3 | |
| 9.1 | 25.7 | 47.2 | |
| 9.5 | 26.3 | 53.1 | |
| 9.0 | 27.4 | 5.0 | |
| 9.5 | 37.2 | 55.8 | |
| 9.0 | 39.3 | 20.2 | |
| 8.5 | 50.4 | 16.0 | |
| 8.5 | 51.6 | 21.8 | |
| 9.0 | 57.5 | 12.0 | |
| 8.8 | 13 12.2 | 25.3 | |
| 9.4 | 15.4 | 48.6 | |
| 8.8 | 30.1 | 57.2 | |
| 6.8 | 41.7 | 32.8 | G |
| 9.5 | 49.4 | 46.0 | |
| 9.5 | 50.9 | 27.5 | |
| 7.5 | 53.7 | 49.0 | G |
| 9.5 | 14 0.3 | 30.9 | |
| 9.4 | 12.6 | 21.8 | |
| 9.5 | 13.4 | 2.0 | |
| 8.7 | 13.4 | 16.6 | G |
| 9.5 | 13.5 | 25.3 | |
| 9.0 | 15.4 | 35.7 | |
| 9.2 | 21.6 | 51.3 | |
| 9.5 | 21.7 | 39.3 | |
| 9.2 | 25.7 | 45.9 | |
| 9.0 | 27.8 | 8.3 | |
| 9.5 | 49.2 | 31.0 | |
| 9.5 | 49.4 | 12.4 | |
| 8.5 | 52.5 | 22.6 | K |
| 9.4 | 53 0 | 53.8 | |
| 6.8 | 15 0.1 | 57.0 | S |
| 9.4 | 2.9 | 55.5 | |
| 9.5 | 3.4 | 2.8 | |
| 9.5 | 3.4 | 52.9 | |
| 9.4 | 5.4 | 14.1 | |
| 9.2 | 6.1 | 30.7 | Kb |
| 9.5 | 19.0 | 51.3 | |
| 9.1 | 29.3 | 54.5 | |
| 9.4 | 33.6 | 51.0 | |
| 8.8 | 38.2 | 6.2 | |
| 9.4 | 42.9 | 32.8 | |
| 8.0 | 49.1 | 34.1 | K |
| 9.4 | 16 2.4 | 53.5 | |
| 9.4 | 16.3 | 9.0 | |
| 8.7 | 24.7 | 59.1 | K |
| 8.8 | 31.4 | 10.0 | |
| 8.9 | 38.0 | 49.1 | |
| 9.2 | 40.2 | 59.9 | K |
| 9.5 | 45.1 | 27.1 | |
| 9.5 | 51.5 | 5.9 | |
| 10 pr. | +21.86 | +1.85 | |

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| m | 20ᵘ | +38° | |
|---|---|---|---|
| 8.6 | 16′ 55.″3 | 41.′1 | |
| 9.4 | 55.9 | 33.5 | |
| 9.0 | 17 2.4 | 15.4 | |
| 9.4 | 4.1 | 26.6 | |
| 9.4 | 11.1 | 6.2 | |
| 9.5 | 11.1 | 47.3 | |
| 9.5 | 17.8 | 36.0 | |
| 9.5 | 22.5 | 0.3 | |
| 9.4 | 34.9 | 17.1 | |
| 8.9 | 36.5 | 44.6 | K |
| 7.0 | 41.0 | 44.7 | K |
| 8.9 | 44.3 | 17.4 | |
| 9.0 | 44.8 | 52.7 | |
| 9.5 | 52.4 | 41.7 | |
| 9.5 | 18 4.2 | 33.6 | |
| 9.4 | 4.7 | 30.5 | |
| 8.9 | 7.7 | 28.3 | K |
| 9.5 | 12.9 | 52.4 | |
| 9.0 | 16.3 | 25.0 | K |
| 9.5 | 16.8 | 36.7 | |
| 9.3 | 20.3 | 21.7 | |
| 9.4 | 24.9 | 2.4 | |
| 8.9 | 30.1 | 1.8 | K |
| 9.3 | 31.1 | 50.0 | |
| 9.5 | 33.9 | 0.1 | |
| 9.3 | 34.5 | 44.7 | |
| 9.5 | 39.7 | 3.5 | |
| 9.5 | 40.2 | 5.9 | |
| 9.0 | 40.3 | 2.7 | K |
| 9.4 | 40.4 | 37.8 | |
| 9.0 | 43.6 | 4.3 | K |
| 9.2 | 45.0 | 1.6 | |
| 9.5 | 19 5.5 | 1.3 | |
| 8.1 | 6.8 | 29.8 | B |
| 9.0 | 6.9 | 21.0 | |
| 9.1 | 8.5 | 30.6 | |
| 9.5 | 30.1 | 24.4 | |
| 9.5 | 33.0 | 29.6 | |
| 9.4 | 20 14.2 | 25.5 | |
| 9.5 | 35.6 | 45.5 | |
| 7.9 | 50.3 | 23.2 | K |
| 9.4 | 56.0 | 47.2 | |
| 9.5 | 57.5 | 45.1 | |
| 9.5 | 58.2 | 56.8 | |
| 9.5 | 21 0.2 | 48.3 | |
| 9.5 | 7.4 | 12.0 | |
| 9.0 | 26.9 | 33.4 | |
| 8.0 | 29.4 | 58.9 | K |
| 9.5 | 35.2 | 55.9 | |
| 9.2 | 36.3 | 27.2 | |
| 9.5 | 47.7 | 41.3 | |
| 8.4 | 51.0 | 24.3 | K |
| 9.5 | 52.1 | 25.6 | |
| 9.4 | 55.0 | 8.3 | |
| 9.0 | 58.2 | 56.4 | |
| 9.3 | 58.5 | 25.7 | |
| 9.4 | 22 11.9 | 33.5 | |
| 9.1 | 12.9 | 17.5 | K |
| 9.3 | 15.8 | 21.9 | |
| 9.3 | 49.6 | 42.2 | a |
| 10 pr. | +21.98 | +1.90 | |

4076 a
9.5 | 19 28.3 | 20.7

| 4101—4160 | | | | 4161—4220 | | | | 4221—4280 | | | | 4281—4340 | | | | 4341—4400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ | +38° | | | 20ᵘ | +38° | | | 20ᵘ | +38° | | | 20ᵘ—21ᵘ | +38° | | | 21ᵘ | +38° | |
| m | | ′ ″ | | m | | ′ ″ | | m | | ′ ″ | | m | | ′ ″ | | m | | ′ ″ | |
| 8.9 | 22 | 51.5 | 43.8 | 9.5 | 30 | 55.8 | 20.1 | 9.0 | 39 | 52.3 | 22.6 K | 9.2 | 50 | 3.7 | 24.7 | 8.2 | 0 | 16.0 | 44.8 K |
| 7.4 | 23 | 6.4 | 50.6 L | 8.0 | 31 | 1.8 | 41.3 K | 9.5 | 40 | 1.6 | 35.1 | 7.7 | | 4.9 | 20.8 L | 9.5 | | 20.1 | 6.8 |
| 8.6 | | 8.9 | 53.6 | 8.7 | | 20.1 | 35.9 K | 9.5 | | 1.8 | 41.5 | 9.2 | | 5.4 | 28.1 | 5.0 | | 24.5 | 2.5 S |
| 9.1 | | 10.3 | 40.2 | 9.5 | | 23.5 | 8.4 | 9.5 | | 6.0 | 59.4 | 9.5 | | 22.8 | 34.8 | 5.3 | | 26.0 | 2.4 L |
| 8.5 | | 22.5 | 42.3 R | 9.4 | | 36.4 | 35.7 | 9.5 | | 17.4 | 56.6 | 9.4 | | 25.9 | 46.0 | 9.4 | | 35.0 | 0.2 B |
| 8.6 | | 24.5 | 59.6 K | 8.3 | | 38.0 | 7.1 | 9.5 | | 25.3 | 20.1 | 9.2 | | 36.8 | 26.7 | 9.5 | | 38.9 | 24.3 |
| 9.5 | | 31.0 | 39.7 | 9.5 | | 40.7 | 40.2 | 8.0 | | 34.4 | 17.7 K | 9.4 | | 38.5 | 23.0 | 9.5 | | 41.6 | 55.7 |
| 9.2 | | 34.7 | 49.9 | 8.5 | | 46.5 | 26.9 | 9.5 | | 53.6 | 43.6 | 9.5 | | 44.3 | 55.9 | 9.5 | | 46.4 | 20.1 |
| 9.1 | | 39.0 | 42.3 | 8.3 | 32 | 0.6 | 59.4 K | 9.5 | | 58.3 | 55.9 | 8.9 | | 46.8 | 48.6 K | 9.4 | | 51.2 | 10.5 |
| 9.5 | | 46.1 | 55.4 | 9.5 | | 29.4 | 46.7 | 9.1 | 41 | 13.8 | 38.6 | 9.5 | | 52.8 | 13.9 | 9.5 | | 59.4 | 18.4 |
| 8.5 | 24 | 6.7 | 27.9 | 8.4 | | 45.2 | 2.4 R | 9.5 | | 15.4 | 14.4 | 9.5 | | 58.7 | 15.2 | 9.5 | 1 | 22.1 | 4.2 |
| 9.0 | | 8.4 | 59.3 K | 7.0 | 33 | 11.5 | 8.2 K | 9.5 | | 23.0 | 56.8 | 9.3 | 51 | 3.6 | 24.7 | 9.1 | | 28.9 | 38.8 R |
| 9.1 | | 9.4 | 5.8 | 9.2 | | 13.8 | 21.4 | 9.5 | | 41.2 | 23.8 | 9.0 | | 14.5 | 20.8 | 8.4 | | 33.7 | 54.9 K |
| 8.3 | | 12.0 | 7.5 | 9.1 | | 30.2 | 44.7 | 9.0 | | 54.4 | 16.4 | 9.5 | | 26.1 | 48.2 | 9.4 | | 41.1 | 6.5 |
| 9.2 | | 12.9 | 52.3 | 9.1 | | 43.6 | 40.0 b | 6.7 | 42 | 31.6 | 45.4 K | 9.3 | | 34.1 | 0.5 | 9.2 | | 50.4 | 17.4 |
| 8.8 | | 13.1 | 27.5 | 9.5 | | 49.0 | 29.8 | 9.5 | | 31.7 | 5.6 | 9.5 | | 49.0 | 42.5 | 8.9 | | 50.8 | 58.8 K |
| 9.4 | | 13.7 | 30.1 | 8.6 | | 50.0 | 18.6 | 9.5 | 43 | 12.6 | 10.4 | 9.5 | 52 | 20.3 | 14.6 | 9.3 | 2 | 9.6 | 48.7 |
| 9.5 | | 32.6 | 8.4 | 8.5 | 34 | 3.3 | 59.2 K | 9.3 | | 15.8 | 3.5 | 9.3 | | 24.7 | 0.8 | 9.5 | | 16.1 | 5.5 |
| 8.7 | | 36.0 | 3.3 | 9.5 | | 13.1 | 0.9 | 7.7 | | 30.3 | 20.0 Kb | 9.5 | | 26.7 | 29.7 | 9.5 | | 18.2 | 11.2 |
| 9.1 | | 41.9 | 49.8 | 9.4 | | 15.6 | 37.3 | 7.9 | | 40.6 | 45.1 L | 9.5 | | 34.0 | 44.8 | 9.5 | 3 | 5.4 | 18.3 |
| 8.4 | 25 | 1.3 | 4.4 | 8.1 | | 27.9 | 14.6 B | 9.1 | | 49.8 | 56.5 | 7.4 | | 54.2 | 55.0 K | 9.5 | | 10.5 | 31.8 |
| 9.1 | | 4.8 | 27.1 | 9.3 | | 40.5 | 42.9 | 9.5 | 44 | 4.5 | 12.1 | 9.5 | 53 | 12.4 | 41.2 | 7.8 | | 29.2 | 8.4 L |
| 8.8 | | 7.8 | 22.2 | 8.0 | | 53.1 | 15.7 B | 9.4 | | 4.8 | 18.8 | 9.5 | | 14.1 | 5.7 | 9.1 | | 29.2 | 10.4 |
| 8.9 | | 10.7 | 29.8 | 8.6 | | 58.6 | 23.4 K | 8.4 | | 16.5 | 1.0 K | 9.4 | | 35.6 | 25.7 | 9.0 | | 42.0 | 43.2 |
| 9.0 | | 13.6 | 47.5 | 9.5 | 35 | 8.1 | 2.3 | 9.4 | | 17.2 | 4.0 | 9.5 | | 59.4 | 59.8 | 9.3 | | 42.3 | 35.8 |
| 9.5 | | 33.1 | 3.0 | 9.5 | | 25.9 | 18.6 | 9.1 | | 43.7 | 39.8 | 6.5 | 54 | 8.3 | 15.1 G | 9.3 | 4 | 1.8 | 36.0 |
| 9.0 | | 46.5 | 8.0 | 6.5 | | 35.2 | 33.8 K | 9.5 | | 52.5 | 0.7 | 9.4 | | 15.6 | 24.7 | 9.0 | | 5.5 | 20.9 |
| 9.5 | | 53.3 | 25.5 | 8.9 | | 42.5 | 9.5 | 9.5 | 45 | 12.0 | 0.2 | 9.5 | | 30.3 | 2.2 | 9.3 | | 34.2 | 8.7 |
| 9.5 | | 57.2 | 0.7 | 9.5 | | 51.8 | 48.4 | 9.0 | | 24.3 | 53.3 | 9.1 | | 38.1 | 4.9 K | 9.3 | | 47.2 | 15.8 B |
| 9.1 | 26 | 0.7 | 58.2 | 9.5 | | 56.0 | 37.2 | 9.4 | | 33.6 | 9.6 | 9.5 | | 40.3 | 53.3 | 9.0 | | 47.7 | 9.6 |
| 9.4 | | 0.9 | 15.0 | 9.5 | 36 | 1.2 | 24.6 | 9.2 | | 38.6 | 45.9 | 9.5 | | 49.0 | 42.2 | 9.4 | | 53.8 | 32.6 |
| 9.4 | | 10.4 | 50.4 | 9.5 | | 2.6 | 28.9 | 9.5 | | 39.3 | 19.0 | 9.3 | 55 | 10.6 | 24.7 | 7.8 | | 59.5 | 22.2 K |
| 9.5 | | 17.4 | 2.2 | 9.3 | | 4.0 | 56.8 | 9.5 | | 43.4 | 17.5 | 9.4 | | 21.8 | 34.3 | 8.5 | 5 | 3.3 | 14.0 K |
| 9.3 | | 31.4 | 51.0 | 9.4 | | 16.6 | 35.0 | 8.0 | | 58.2 | 50.8 K | 9.5 | | 37.9 | 18.5 | 8.7 | | 10.9 | 37.5 |
| 8.9 | | 32.6 | 7.7 | 9.4 | | 18.5 | 48.1 | 8.9 | 46 | 10.4 | 51.0 K | 9.4 | | 50.2 | 11.8 | 8.4 | | 17.2 | 11.0 K |
| 9.2 | | 43.2 | 28.3 | 9.1 | | 44.8 | 1.1 | 8.7 | | 34.1 | 2.3 | 9.1 | | 52.5 | 20.8 Kb | 9.4 | | 20.0 | 42.2 |
| 8.7 | | 59.5 | 41.9 | 8.3 | | 57.4 | 6.8 K | 8.6 | | 39.2 | 21.9 | 9.1 | | 53.3 | 59.1 | 9.5 | | 32.4 | 19.5 |
| 8.2 | 27 | 22.9 | 46.9 K | 9.5 | 37 | 10.7 | 59.5 | 7.3 | | 45.7 | 57.2 K | 7.2 | 56 | 16.0 | 41.2 K | 9.1 | | 35.2 | 49.1 |
| 8.8 | | 24.5 | 43.7 K | 9.5 | | 23.2 | 59.1 | 9.2 | 47 | 3.9 | 34.4 | 9.5 | | 27.9 | 39.5 | 9.2 | | 35.8 | 31.0 |
| 9.5 | | 32.4 | 52.7 | 8.8 | | 29.0 | 29.9 K | 8.0 | | 12.4 | 15.6 | 9.5 | | 45.7 | 56.1 | 8.7 | | 37.4 | 39.1 K |
| 9.0 | | 45.0 | 42.1 | 9.4 | | 30.4 | 19.3 | 9.4 | | 15.1 | 22.5 | 6.4 | | 47.7 | 55.8 K | 9.0 | | 46.0 | 3.6 |
| 9.0 | | 50.7 | 41.3 K | 9.4 | | 37.0 | 0.6 | 9.5 | | 35.4 | 17.0 | 9.4 | 57 | 9.6 | 25.1 | 9.4 | | 49.4 | 17.9 |
| 9.3 | | 52.0 | 9.4 | 9.5 | | 40.5 | 57.5 | 8.3 | | 51.5 | 47.9 | 8.6 | | 12.9 | 0.1 B | 9.5 | 6 | 9.8 | 55.4 |
| 9.0 | | 52.8 | 52.1 | 9.5 | | 53.4 | 16.6 | 9.5 | 48 | 1.8 | 36.3 | 9.4 | | 16.8 | 32.9 | 9.5 | | 17.7 | 0.6 |
| 9.3 | | 55.6 | 26.1 | 9.0 | | 59.3 | 21.4 | 9.4 | | 4.4 | 6.4 | 6.0 | | 28.1 | 5.0 Kb | 9.5 | | 19.3 | 53.9 |
| 9.4 | 28 | 3.1 | 14.3 | 9.5 | 38 | 4.4 | 2.0 | 9.5 | | 28.0 | 29.6 | 9.5 | | 48.3 | 54.1 | 8.5 | | 22.1 | 1.5 Lb |
| 9.3 | | 11.5 | 43.2 | 9.1 | | 16.0 | 22.7 | 9.5 | | 36.0 | 28.9 | 9.5 | | 59.1 | 6.8 | 8.9 | | 33.8 | 34.1 K |
| 8.0 | | 19.0 | 5.3 K | 7.4 | | 25.3 | 56.3 K | 9.5 | | 45.1 | 25.4 | 9.5 | 58 | 1.1 | 46.3 | 9.5 | | 46.4 | 25.4 |
| 8.5 | | 20.1 | 20.3 | 9.4 | | 29.0 | 39.8 | 9.5 | | 47.0 | 29.8 | 9.5 | | 5.2 | 23.2 | 8.7 | | 48.1 | 44.9 K |
| 8.0 | | 29.4 | 11.7 K | 9.1 | | 33.6 | 7.3 | 9.5 | 49 | 0.4 | 50.1 | 9.4 | | 8.7 | 31.2 | 9.1 | | 48.8 | 59.2 |
| 9.5 | | 55.7 | 24.6 | 9.4 | | 40.5 | 55.8 | 9.5 | | 6.1 | 26.4 | 9.3 | | 27.5 | 18.6 | 9.4 | | 53.2 | 10.1 |
| 9.5 | 29 | 12.3 | 51.0 | 9.5 | | 48.9 | 35.5 | 9.2 | | 13.6 | 7.3 | 9.2 | | 40.0 | 43.8 R | 9.4 | | 54.3 | 45.1 |
| 9.0 | | 18.1 | 56.3 | 9.5 | | 50.2 | 2.0 | 9.2 | | 13.9 | 35.3 | 9.4 | 59 | 3.8 | 33.2 | 9.5 | 7 | 2.9 | 28.5 |
| 9.5 | | 26.3 | 20.9 | 9.3 | | 51.0 | 48.9 | 9.5 | | 18.2 | 59.1 | 9.5 | | 6.0 | 22.6 | 9.5 | | 7.8 | 33.1 |
| 8.8 | | 27.9 | 19.3 | 9.5 | 39 | 6.4 | 49.7 | 9.5 | | 21.4 | 17.8 | 9.0 | | 15.1 | 46.8 R | 9.0 | | 8.2 | 30.6 K |
| 9.5 | | 34.6 | 37.3 | 9.5 | | 21.8 | 39.6 | 9.1 | | 27.7 | 41.1 | 8.8 | | 15.2 | 10.5 | 9.5 | | 15.6 | 24.7 |
| 9.4 | | 49.0 | 56.4 | 9.1 | | 25.6 | 7.4 | 8.0 | | 33.7 | 39.6 K | 9.0 | | 27.8 | 32.9 K | 8.1 | | 20.5 | 22.2 K |
| 9.4 | 30 | 18.6 | 37.6 | 9.5 | | 36.5 | 51.3 | 9.5 | | 44.4 | 50.1 | 9.4 | | 27.9 | 39.5 | 9.5 | | 26.2 | 11.6 |
| 9.5 | | 39.0 | 8.4 | 8.9 | | 46.2 | 31.6 | 9.1 | | 47.8 | 38.0 K | 8.9 | | 58.9 | 36.9 K | 8.7 | | 30.0 | 41.0 |
| 8.8 | | 48.4 | 59.7 K | 9.5 | | 48.2 | 7.2 | 9.4 | | 51.7 | 7.1 | 9.1 | 0 | 9.8 | 54.2 | 9.5 | | 38.2 | 19.1 |
| 10 pr. | | 22.17 | 1.99 | 10 pr. | | 22.45 | 2.10 | 10 pr. | | 22.74 | 2.21 | 10 pr. | | 23.03 | 2.31 | 10 pr. | | 23.36 | 2.41 |

4299ᵃ
9.3 | 52 29.7 | 45.7

| 44o1—448o | | | | | 21ʰ | +38° | |
|---|---|---|---|---|---|---|---|
| m | | | | | m | | |
| 9.4 | 7 | 40.4 | 20.9 | | 9.5 | 15 20.6 | 3.5 |
| 9.4 | | 46.7 | 29.9 | | 9.4 | 21.1 | 7.5 | B |
| 8.8 | | 58.3 | 12.4 | | 9.5 | 24.3 | 41.3 |
| 9.2 | 8 | 4.1 | 5.5 | | 8.8 | 25.3 | 18.6 | K |
| 8.3 | | 14.1 | 46.5 | | 9.5 | 29.0 | 59.9 |
| 8.9 | | 23.4 | 59.7 | K | 9.5 | 16 2.9 | 18.6 |
| 9.5 | | 27.1 | 4.7 | | 9.5 | 29.0 | 35.8 |
| 9.1 | | 34.2 | 31.4 | | 8.6 | 46.4 | 8.4 | L |
| 7.1 | | 42.8 | 38.6 | B | 9.2 | 55.9 | 14.9 |
| 8.5 | | 49.2 | 9.4 | K | 9.1 | 59.0 | 52.2 |
| 9.4 | | 56.9 | 39.3 | | 7.0 | 17 0.2 | 1.0 | L |
| 9.5 | | 57.5 | 23.2 | | 7.5 | 6.5 | 5.3 | L |
| 9.5 | 9 | 4.9 | 53.6 | | 9.4 | 8.9 | 15.2 |
| 9.3 | | 6.4 | 24.7 | | 9.5 | 28.8 | 31.2 |
| 8.8 | | 10.1 | 52.8 | B | 9.5 | 28.9 | 35.6 |
| 9.5 | | 12.3 | 15.1 | | 7.8 | 32.6 | 43.8 | B |
| 9.4 | | 29.0 | 2.7 | | 9.3 | 49.7 | 20.4 |
| 9.4 | | 30.1 | 46.7 | | 9.5 | 56.1 | 40.4 |
| 9.3 | | 36.5 | 20.8 | | 9.4 | 59.9 | 27.3 |
| 9.2 | | 54.0 | 41.3 | | 9.2 | 18 1.6 | 31.5 |
| 9.5 | | 56.9 | 38.8 | | 8.7 | 16.2 | 32.2 | B |
| 9.5 | 10 | 6.6 | 2.6 | | 9.3 | 44.8 | 0.7 |
| 9.2 | | 21.2 | 1.8 | | 9.5 | 55.4 | 39.3 |
| 9.5 | | 30.8 | 37.2 | | 9.5 | 56.3 | 16.4 |
| 9.5 | | 31.5 | 31.1 | | 9.2 | 19 3.4 | 12.6 | R |
| 9.4 | | 37.4 | 19.5 | | 8.2 | 4.3 | 25.0 | K |
| 8.0 | | 38.7 | 29.4 | L | 9.5 | 13.2 | 44.9 |
| 9.1 | | 47.5 | 20.5 | | 9.5 | 22.8 | 55.4 |
| 9.5 | | 47.6 | 4.4 | | 9.5 | 27.2 | 4.6 |
| 9.5 | | 55.1 | 5.1 | | 9.4 | 30.4 | 13.9 | B |
| 4.5 | 11 | 43.6 | 47.3 | Lb | 9.2 | 34.1 | 19.3 | B |
| 7.0 | | 53.8 | 36.1 | L | 9.5 | 36.0 | 18.3 |
| 8.8 | | 58.3 | 15.1 | K | 8.3 | 40.6 | 48.7 |
| 9.4 | | 59.8 | 1.7 | | 9.1 | 56.7 | 38.6 |
| 9.2 | 12 | 14.8 | 35.8 | | 8.7 | 20 10.4 | 8.5 | K |
| 9.3 | | 20.9 | 19.0 | | 9.4 | 31.0 | 46.3 |
| 9.1 | | 22.7 | 17.8 | B | 9.0 | 36.9 | 31.2 |
| 9.4 | | 23.7 | 14.1 | | 9.1 | 48.3 | 10.5 |
| 8.5 | | 28.5 | 44.2 | | 9.0 | 50.4 | 18.7 |
| 8.9 | | 52.4 | 19.5 | K | 9.4 | 58.1 | 56.9 |
| 9.3 | | 53.2 | 28.6 | | 8.7 | 21 13.7 | 42.7 |
| 8.7 | 13 | 14.8 | 32.9 | K | 9.2 | 24.8 | 34.8 |
| 9.5 | | 16.3 | 15.6 | | 9.5 | 26.4 | 12.6 |
| 9.4 | | 22.1 | 48.5 | | 9.0 | 22 17.4 | 51.1 |
| 7.3 | | 34.9 | 11.8 | K | 9.5 | 53.2 | 40.8 |
| 9.5 | | 45.2 | 51.5 | | 9.5 | 54.8 | 43.0 |
| 9.5 | | 46.4 | 47.5 | | 9.5 | 23 1.2 | 32.7 |
| 8.9 | | 52.1 | 11.5 | K | 9.5 | 14.3 | 24.5 |
| 9.5 | 14 | 0.2 | 4.5 | | 8.3 | 35.4 | 1.1 | K |
| 9.4 | | 2.2 | 54.9 | | 9.4 | 39.0 | 59.0 |
| 9.5 | | 11.8 | 18.2 | | 9.5 | 57.4 | 25.3 |
| 9.2 | | 21.7 | 41.2 | | 9.1 | 24 29.9 | 20.6 | b |
| 9.5 | | 24.8 | 32.9 | | 9.3 | 44.9 | 8.5 |
| 8.5 | | 27.3 | 4.7 | K | 9.5 | 54.6 | 54.7 |
| 9.0 | | 29.9 | 2.4 | | 9.5 | 25 2.4 | 33.5 |
| 9.5 | | 39.1 | 46.2 | | 9.5 | 3.6 | 25.8 |
| 9.0 | | 50.1 | 14.6 | K | 9.4 | 20.4 | 37.3 |
| 9.3 | 15 | 5.8 | 2.2 | | 8.0 | 21.1 | 7.6 | K |
| 9.4 | | 10.1 | 26.1 | | 7.8 | 50.4 | 29.3 | K |
| 9.5 | | 19.9 | 8.5 | | 9.5 | 50.8 | 12.5 |
| 10pr. | | 23.58 | 2.47 | | 10pr. | | 23.86 | 2.56 |

| 4521—458o | | | | | 21ʰ | +38° | |
|---|---|---|---|---|---|---|---|
| m | | | | | m | | |
| 8.9 | 26 | 20.6 | 3.4 | | 9.0 | 36 15.0 | 23.5 |
| 9.5 | | 21.3 | 10.4 | | 7.5 | 19.9 | 51.9 | K |
| 9.5 | | 22.3 | 53.8 | | 8.7 | 27.5 | 35.8 |
| 9.5 | | 28.0 | 36.0 | | 9.1 | 34.2 | 32.6 |
| 9.3 | | 40.0 | 23.5 | | 8.5 | 37 1.8 | 54.5 | K |
| 8.8 | | 54.6 | 13.9 | | 9.5 | 20.0 | 17.7 |
| 8.3 | | 58.5 | 25.7 | L | 9.5 | 22.9 | 18.7 |
| 9.0 | 27 | 27.0 | 3.6 | B | 9.5 | 27.2 | 3.5 |
| 9.3 | | 32.8 | 7.8 | | 9.5 | 30.4 | 9.8 |
| 9.1 | | 45.0 | 40.1 | | 9.1 | 38 8.3 | 58.2 |
| 9.3 | | 46.7 | 26.3 | | 9.5 | 11.2 | 23.5 |
| 9.3 | | 52.0 | 11.2 | | 9.5 | 16.0 | 11.1 |
| 9.2 | 28 | 7.3 | 4.7 | | 9.0 | 26.2 | 34.9 |
| 9.3 | | 10.9 | 27.0 | | 9.3 | 29.3 | 22.1 |
| 9.4 | | 12.2 | 53.7 | | 9.1 | 30.5 | 52.4 |
| 9.4 | | 14.0 | 11.6 | | 9.5 | 47.6 | 56.6 |
| 9.1 | | 38.1 | 13.7 | | 8.7 | 52.8 | 51.3 | K |
| 9.5 | | 45.2 | 32.7 | | 9.5 | 39 10.0 | 32.1 |
| 8.6 | | 53.8 | 52.2 | B | 9.5 | 20.6 | 12.5 |
| 9.4 | | 54.3 | 24.8 | | 9.3 | 40 9.5 | 45.5 |
| 9.5 | 29 | 1.5 | 48.6 | | 8.8 | 17.6 | 51.8 |
| 7.6 | | 6.8 | 47.5 | K | 9.3 | 26.9 | 48.7 |
| 8.8 | | 14.6 | 34.1 | | 9.4 | 48.3 | 24.6 | B |
| 9.5 | | 18.1 | 56.6 | | 9.4 | 58.2 | 31.4 |
| 9.1 | | 18.3 | 0.0 | | 9.0 | 59.1 | 45.8 |
| 9.5 | | 42.4 | 12.5 | | 9.0 | 41 2.4 | 35.3 |
| 9.5 | 30 | 0.7 | 46.7 | | 8.9 | 5.6 | 17.3 |
| 9.5 | | 15.0 | 35.6 | | 9.5 | 30.0 | 32.8 |
| 9.5 | | 15.6 | 40.8 | | 9.5 | 42 0.9 | 12.8 |
| 8.0 | | 19.2 | 7.9 | K | 9.4 | 4.8 | 31.0 |
| 8.0 | | 41.4 | 49.8 | K | 7.7 | 20.1 | 16.6 | K |
| 8.9 | | 43.6 | 30.0 | | 7.7 | 36.3 | 24.9 | K |
| 9.0 | | 49.1 | 11.7 | | 9.1 | 43 20.4 | 56.4 | b |
| 9.3 | | 52.2 | 22.3 | | 8.2 | 28.9 | 19.7 | G |
| 9.5 | 31 | 15.2 | 49.0 | | 9.1 | 57.9 | 33.4 |
| 9.5 | | 45.1 | 44.3 | | 9.3 | 44 6.1 | 59.6 |
| 9.5 | | 52.3 | 4.3 | | 9.5 | 16.2 | 17.7 |
| 6.4 | | 55.4 | 39.6 | G | 8.0 | 27.5 | 44.9 | G |
| 9.4 | 32 | 2.0 | 2.8 | | 8.3 | 54.4 | 56.2 | K |
| 8.7 | | 10.3 | 16.6 | K | 9.3 | 45 6.3 | 15.0 |
| 8.7 | | 11.7 | 20.3 | K | 6.5 | 7.0 | 51.7 | K |
| 9.5 | | 26.7 | 38.6 | | 9.0 | 9.9 | 27.4 |
| 8.3 | | 37.7 | 51.2 | K | 9.5 | 14.6 | 59.8 |
| 8.9 | | 58.3 | 16.2 | K | 9.5 | 44.7 | 16.1 | B |
| 9.5 | | 59.0 | 11.1 | | 7.7 | 59.4 | 16.1 | L |
| 9.5 | 33 | 4.6 | 40.7 | | 8.4 | 46 12.7 | 13.7 | L |
| 6.5 | | 58.7 | 51.2 | K | 9.5 | 23.6 | 41.7 |
| 9.5 | 34 | 4.5 | 54.3 | | 9.4 | 33.2 | 32.7 |
| 9.4 | | 21.3 | 4.3 | | 9.5 | 37.6 | 24.4 |
| 9.5 | | 21.6 | 21.3 | | 7.2 | 46.9 | 8.8 | K |
| 9.5 | | 35.2 | 17.4 | B | 9.4 | 56.2 | 4.0 |
| 9.4 | | 42.5 | 50.2 | | 9.5 | 47 2.7 | 53.0 |
| 9.1 | | 50.3 | 41.1 | | 9.4 | 59.6 | 44.5 |
| 8.5 | | 57.7 | 22.3 | K | 9.5 | 48 6.6 | 59.3 |
| 9.5 | 35 | 17.0 | 8.7 | | 9.5 | 40.9 | 32.7 |
| 7.8 | | 25.1 | 48.7 | K | 8.5 | 53.5 | 1.3 | Rb |
| 9.5 | | 34.9 | 31.2 | | 9.1 | 49 11.0 | 54.5 |
| 9.5 | | 35.6 | 17.0 | | 8.7 | 28.7 | 7.2 |
| 9.5 | | 52.3 | 53.4 | | 9.0 | 40.6 | 23.7 |
| 9.5 | | 56.8 | 14.4 | | 8.8 | 51 22.6 | 41.7 |
| 10pr. | | 24.27 | 2.65 | | 10pr. | | 24.71 | 2.76 |

| 4641—47oo | | | | | 21ʰ—22ʰ | +38° | |
|---|---|---|---|---|---|---|---|
| m | | | | | m | | |
| 9.5 | 51 | 23.1 | 50.3 | | 9.5 | 0 38.4 | 27.3 |
| 9.4 | | 38.2 | 21.0 | | 9.5 | 1 30.9 | 12.1 |
| 7.6 | 52 | 1.4 | 13.7 | K | | | |
| 9.3 | | 9.3 | 1.6 | B | | | |
| 9.5 | | 22.3 | 7.8 | | | | |
| 9.5 | | 32.0 | 6.7 | | | | |
| 9.5 | | 33.5 | 18.5 | | | | |
| 9.5 | | 34.0 | 24.0 | | | | |
| 9.4 | | 38.0 | 15.8 | B | | | |
| 9.5 | 53 | 8.1 | 45.9 | | | | |
| 8.7 | | 16.4 | 5.6 | R | | | |
| 9.0 | | 50.0 | 1.3 | K | | | |
| 8.9 | | 55.9 | 31.3 | Kb | | | |
| 9.4 | 54 | 28.5 | 57.2 | | | | |
| 7.3 | | 47.8 | 50.7 | K | | | |
| 6.8 | 55 | 0.2 | 33.7 | K | | | |
| 8.9 | | 23.9 | 16.8 | | | | |
| 9.4 | | 31.2 | 18.2 | | | | |
| 8.3 | | 38.9 | 30.3 | K | | | |
| 9.3 | | 45.3 | 35.4 | | | | |
| 9.5 | | 50.6 | 41.0 | | | | |
| 9.3 | | 55.9 | 35.8 | | | | |
| 9.5 | 56 | 6.6 | 10.2 | | | | |
| 9.4 | | 16.8 | 57.4 | | | | |
| 9.3 | | 28.3 | 20.7 | | | | |
| 9.2 | | 39.4 | 54.9 | | | | |
| 7.9 | | 43.4 | 45.5 | L | | | |
| 7.5 | | 47.9 | 52.4 | L | | | |
| 9.5 | | 57.4 | 6.5 | | | | |
| 9.2 | 57 | 0.2 | 44.0 | B | | | |
| 9.2 | | 22.4 | 55.0 | | | | |
| 9.3 | 58 | 25.8 | 11.2 | | | | |
| 9.4 | | 32.7 | 21.4 | B | | | |
| 9.2 | | 36.4 | 11.2 | | | | |
| 9.3 | | 56.2 | 11.0 | | | | |
| 9.0 | | 56.4 | 40.7 | K | | | |
| 7.8 | | 57.9 | 46.8 | K | | | |
| 7.5 | 59 | 7.4 | 57.8 | K | | | |
| 8.8 | | 11.7 | 13.4 | K | | | |
| 9.5 | | 36.9 | 26.5 | | | | |
| 8.3 | 0 | 7.4 | 55.5 | K | | | |
| 8.9 | | 17.8 | 59.9 | K | | | |
| 9.4 | | 25.7 | 28.7 | | | | |
| *9.5 | | 37.9 | 34.6 | | | | |
| *9.3 | | 39.8 | 6.0 | | | | |
| 9.5 | | 56.6 | 8.7 | | | | |
| *9.5 | 1 | 29.7 | 5.4 | | | | |
| *9.5 | | 36.3 | 11.3 | | | | |
| 8.0 | | 35.4 | 37.4 | K | | | |
| 9.5 | | 37.3 | 1.1 | | | | |
| 9.3 | 2 | 8.3 | 46.2 | | | | |
| 9.3 | | 19.6 | 47.3 | | | | |
| 7.7 | | 21.2 | 40.3 | K | | | |
| 8.5 | | 33.5 | 42.1 | K | | | |
| 9.5 | | 57.6 | 33.1 | | | | |
| 9.5 | 3 | 11.8 | 8.9 | | | | |
| 9.3 | 4 | 3.2 | 1.9 | B | | | |
| 9.0 | | 32.4 | 54.3 | | | | |
| 9.4 | | 49.7 | 33.1 | B | | | |
| 9.4 | 5 | 8.0 | 20.0 | | | | |
| 10pr. | | 25.29 | 2.87 | | | | |

| 4684a | | | |
|---|---|---|---|
| 9.5 | 0 | 38.4 | 27.3 |
| 4687a | | | |
| 9.5 | 1 | 30.9 | 12.1 |

| 4701—4760 | | | | 4761—4820 | | | | 4821—4880 | | | | 4881—4940 | | | | 4941—5000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵐ | +38° | | | 22ᵐ | +38° | | | 22ᵐ | +38° | | | 22ᵐ—23ᵐ | +38° | | | 23ᵐ | +38° | |
| m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | |
| 7.2 | 5′ 10.8 | 59.7 | K | 9.3 | 19′ 17.2 | 26.7 | a | 8.9 | 31′ 57.5 | 1.9 | K | 9.3 | 44′ 51.2 | 29.4 | | 9.4 | 2′ 17.4 | 19.2 | B |
| 9.4 | 16.7 | 34.4 | | 8.7 | 21.6 | 4.3 | | 9.5 | 32 7.6 | 17.3 | | 9.5 | 45 2.4 | 24.2 | | 9.0 | 20.3 | 54.5 | |
| 8.2 | 41.8 | 19.3 | K | 9.0 | 25.7 | 28.7 | | 9.1 | 10.1 | 7.7 | K | 9.1 | 12.3 | 21.8 | b | 9.5 | 36.5 | 49.5 | |
| 9.5 | 56.0 | 55.8 | | 9.2 | 45.8 | 20.8 | | 9.4 | 24.0 | 3.1 | | 8.5 | 12.5 | 57.4 | | 9.0 | 51.1 | 34.2 | |
| 9.5 | 6 12.2 | 24.1 | | 9.5 | 20 2.1 | 39.9 | | 9.5 | 30.9 | 50.8 | | 9.4 | 19.4 | 3.7 | | 6.8 | 3 5.0 | 40.2 | K b |
| 9.3 | 22.1 | 32.7 | B | 9.8 | 3.2 | 20.7 | | 5.0 | 46.1 | 18.3 | K | 9.4 | 31.7 | 1.6 | | 9.5 | 50.2 | 29.4 | |
| 8.7 | 29.5 | 3.5 | | 9.4 | 4.3 | 11.5 | | 9.5 | 33 1.2 | 40.4 | | 9.3 | 48.2 | 14.1 | | 9.5 | 4 31.9 | 35.6 | |
| 9.4 | 33.4 | 58.5 | | 9.3 | 17.9 | 51.2 | B | 9.3 | 13.6 | 34.5 | | 9.5 | 46 45.7 | 25.0 | | 9.5 | 56.6 | 23.5 | |
| 8.9 | 39.0 | 21.3 | | 9.5 | 22.8 | 57.2 | | 8.6 | 15.1 | 26.3 | | 9.4 | 50.4 | 1.6 | | 9.5 | 6 12.7 | 50.2 | |
| 8.0 | 7 10.2 | 30.3 | K | 9.5 | 28.2 | 30.0 | | 9.1 | 18.8 | 4.8 | | 9.4 | 51.5 | 17.6 | | 9.4 | 33.5 | 29.6 | |
| 4.9 | 40.1 | 59.8 | K | 8.0 | 46.2 | 54.9 | L | 8.5 | 21.4 | 57.4 | | 9.5 | 47 11.2 | 34.9 | | 9.1 | 34.5 | 15.0 | b |
| 9.5 | 8 1.7 | 15.8 | | 9.0 | 48.1 | 15.2 | | 9.5 | 29.4 | 23.6 | | 9.4 | 30.2 | 19.4 | | 9.4 | 35.3 | 35.9 | B |
| 9.5 | 11.9 | 53.9 | | 9.5 | 53.9 | 24.4 | | 9.0 | 33.6 | 10.1 | K | 9.5 | 31.3 | 12.9 | | 9.5 | 42.0 | 57.0 | |
| 9.0 | 17.5 | 46.8 | | 9.0 | 21 20.2 | 17.3 | | 9.2 | 41.7 | 12.8 | K | 9.4 | 48.7 | 0.1 | | 9.5 | 43.6 | 36.4 | |
| 9.4 | 18.6 | 47.0 | | 9.1 | 45.4 | 34.5 | | 9.4 | 54.2 | 40.1 | | 9.5 | 50.2 | 51.7 | | 9.5 | 44.2 | 38.6 | |
| 9.5 | 29.7 | 40.2 | | 9.2 | 58.6 | 31.3 | B b | 9.4 | 34 8.5 | 1.3 | | 9.1 | 48 23.9 | 55.0 | B | 8.4 | 44.5 | 27.4 | K |
| 9.4 | 46.4 | 50.9 | | 9.1 | 22 20.7 | 36.0 | | 9.5 | 10.9 | 28.8 | | 9.1 | 49 9.6 | 51.5 | | 8.8 | 52.5 | 43.9 | K |
| 9.0 | 9 17.1 | 39.3 | B | 9.5 | 34.7 | 14.2 | | 9.5 | 15.3 | 5.8 | | 9.3 | 12.3 | 55.6 | | 9.4 | 7 11.4 | 53.8 | |
| 9.4 | 19.0 | 48.2 | | 9.2 | 47.8 | 55.4 | | 9.3 | 27.0 | 5.3 | | 8.7 | 37.5 | 9.5 | | 9.5 | 42.7 | 57.8 | |
| 9.4 | 28.3 | 20.1 | | 9.4 | 23 24.5 | 47.7 | | 9.1 | 42.2 | 48.3 | b | 9.5 | 55.3 | 42.9 | | 9.5 | 8 10.1 | 5.7 | |
| 7.8 | 38.0 | 8.2 | B | 9.4 | 32.3 | 31.9 | B | 9.5 | 46.7 | 10.7 | | 9.3 | 55.9 | 33.6 | K | 9.2 | 21.2 | 0.6 | |
| 9.3 | 10 25.4 | 57.2 | | 9.3 | 24 1.5 | 35.6 | | 9.5 | 47.3 | 49.4 | | 9.5 | 50 15.6 | 48.2 | | 9.2 | 45.6 | 21.8 | |
| 9.3 | 27.6 | 0.6 | | 8.8 | 12.7 | 48.4 | | 9.5 | 50.4 | 11.4 | | 7.6 | 56.3 | 37.0 | K | 9.4 | 9 13.0 | 8.2 | |
| 9.1 | 11 8.8 | 0.4 | | 9.0 | 17.9 | 36.0 | | 8.7 | 53.1 | 3.2 | K | 6.5 | 51 1.4 | 33.8 | K | 9.5 | 21.2 | 53.9 | |
| 9.1 | 13.4 | 49.3 | | 9.4 | 19.7 | 38.5 | | 9.5 | 35 10.0 | 12.1 | | 9.5 | 52 34.8 | 53.8 | | 8.4 | 28.5 | 10.2 | L |
| 9.2 | 16.1 | 21.5 | | 8.8 | 48.1 | 51.6 | K | 9.5 | 26.2 | 28.3 | | 9.5 | 53 16.7 | 1.3 | | 9.1 | 55.3 | 10.9 | L |
| 7.3 | 32.6 | 18.0 | K | 8.5 | 53.9 | 29.8 | K | 9.5 | 57.0 | 3.5 | | 9.4 | 35.3 | 48.0 | | 9.1 | 10 6.9 | 50.4 | b |
| 8.9 | 34.5 | 9.4 | | 9.3 | 25 13.3 | 13.5 | | 8.9 | 57.6 | 32.8 | | 9.4 | 42.9 | 50.9 | | 9.5 | 8.9 | 21.0 | |
| 9.3 | 38.7 | 27.7 | | 9.4 | 26.8 | 29.3 | | 8.5 | 36 30.5 | 0.3 | L | 9.3 | 45.4 | 35.3 | | 9.5 | 12.4 | 41.0 | B |
| 9.1 | 46.9 | 43.6 | b | 9.2 | 38.8 | 42.5 | | 9.0 | 37.3 | 25.7 | | 9.5 | 54 47.3 | 53.0 | | 9.5 | 16.8 | 6.9 | |
| 9.3 | 12 16.2 | 15.6 | | 9.4 | 39.0 | 11.7 | | 9.5 | 45.6 | 1.8 | | 8.5 | 55 8.4 | 19.1 | K | 9.4 | 21.1 | 1.0 | |
| 8.3 | 22.6 | 20.1 | K | 9.1 | 44.8 | 7.4 | b | 8.9 | 37 6.4 | 53.7 | | 9.5 | 27.0 | 6.7 | | 9.5 | 27.5 | 52.3 | |
| 9.2 | 36.5 | 42.8 | | 9.4 | 45.6 | 2.2 | | 9.5 | 9.2 | 7.2 | | 9.5 | 44.7 | 45.3 | | 9.4 | 11 45.2 | 29.3 | |
| 9.4 | 37.8 | 1.9 | | 9.5 | 26 16.2 | 51.2 | | 9.3 | 9.8 | 43.1 | B | 9.2 | 48.1 | 16.3 | K | 9.4 | 48.3 | 45.6 | |
| 9.5 | 48.2 | 6.2 | | 9.3 | 26.3 | 23.9 | | 6.3 | 32.9 | 43.2 | K | 9.0 | 56 1.7 | 25.0 | B | 9.5 | 12 0.1 | 20.6 | |
| 9.3 | 49.3 | 22.2 | | 9.4 | 43.2 | 55.7 | | 9.5 | 54.2 | 6.5 | | 9.3 | 2.7 | 23.7 | | 9.5 | 14.4 | 23.9 | |
| 9.1 | 13 6.0 | 10.9 | B | 8.0 | 58.4 | 50.1 | G | 9.4 | 38 19.1 | 4.6 | | 9.5 | 3.8 | 34.0 | B | 9.5 | 41.7 | 59.2 | |
| 9.5 | 16.0 | 9.5 | | 9.1 | 27 26.8 | 20.3 | B | 7.0 | 20.4 | 27.0 | K | 9.5 | 42.8 | 10.1 | B | 9.4 | 42.5 | 24.2 | |
| 9.0 | 20.1 | 53.0 | K | 8.9 | 34.3 | 24.3 | | 9.2 | 44.7 | 48.4 | | 9.5 | 50.3 | 36.0 | | 9.0 | 43.6 | 8.6 | |
| 9.4 | 21.0 | 10.3 | | 9.5 | 38.0 | 53.2 | | 4.5 | 59.9 | 19.5 | K | 9.5 | 57 28.9 | 52.8 | | 8.0 | 48.7 | 29.8 | K |
| 9.4 | 24.5 | 14.8 | B | 8.5 | 41.5 | 35.3 | K b | 9.5 | 39 28.6 | 28.4 | | 9.3 | 37 9 | 6.9 | | 9.5 | 13 45.2 | 7.3 | |
| 9.4 | 26.2 | 19.5 | | 9.4 | 45.7 | 20.8 | | 9.3 | 37.2 | 58.3 | | 9.5 | 40.6 | 11.3 | | 9.0 | 54.6 | 57.4 | K |
| 9.5 | 38.6 | 55.7 | | 9.4 | 28 13.6 | 39.8 | | 9.4 | 40 0.5 | 47.1 | | 9.4 | 58 8.1 | 19.7 | | 9.5 | 14 41.3 | 13.2 | |
| 9.5 | 52.1 | 26.7 | | 9.2 | 14.5 | 0.3 | | 7.3 | 22.3 | 38.9 | K | 9.5 | 9.7 | 48.8 | | 9.5 | 15 10.0 | 48.4 | |
| 9.0 | 14 17.4 | 35.2 | | 9.3 | 22.5 | 26.7 | | 9.3 | 41 18.1 | 29.0 | | 9.1 | 18.8 | 28.7 | b | 9.4 | 29.9 | 57.8 | |
| 9.3 | 29.7 | 12.9 | | 8.8 | 24.4 | 0.3 | | 9.3 | 30.6 | 31.2 | | 8.5 | 43.2 | 17.0 | K | 9.3 | 43.8 | 19.8 | |
| 9.3 | 15 13.0 | 6.9 | | 7.9 | 29 1.7 | 50.2 | K | 8.0 | 31.2 | 30.4 | K | 9.5 | 46.6 | 41.5 | | 9.2 | 59.7 | 58.3 | |
| 9.5 | 52.7 | 4.8 | | 5.7 | 26.3 | 53.0 | K b | 9.3 | 42.0 | 5.2 | | 9.2 | 53.7 | 31.5 | | 8.7 | 16 2.5 | 12.4 | K |
| 9.0 | 16 17.6 | 20.4 | K | 9.3 | 27.6 | 34.2 | B | 9.3 | 44.4 | 51.4 | B | 9.5 | 55.8 | 4.4 | | 9.3 | 7.1 | 55.4 | |
| 8.6 | 28.4 | 54.6 | | 9.0 | 29.4 | 51.2 | K | 9.4 | 45.1 | 12.5 | | 9.5 | 59 54.3 | 51.1 | | 8.7 | 12.3 | 22.3 | K |
| 9.5 | 44.2 | 44.9 | | 7.6 | 44.8 | 35.5 | L | 9.5 | 42 2.1 | 51.9 | | 9.5 | 58.4 | 56.4 | | 9.5 | 49.9 | 57.3 | |
| 9.4 | 57.7 | 22.5 | | 9.3 | 30 3.1 | 10.7 | B | 9.0 | 10.9 | 4.3 | | 8.9 | 0 6.7 | 47.1 | | 9.4 | 54.5 | 49.9 | |
| 9.5 | 17 18.6 | 50.5 | | 9.1 | 10.7 | 45.3 | | 9.5 | 13.0 | 5.0 | | 9.5 | 42.6 | 20.7 | | 9.2 | 17 28.8 | 28.2 | |
| 8.8 | 34.7 | 28.7 | K b | 9.5 | 20.0 | 25.2 | | 9.3 | 22.7 | 47.7 | | 9.5 | 47.3 | 6.6 | | 9.5 | 49.5 | 37.6 | |
| 9.5 | 52.5 | 40.5 | | 9.5 | 32.4 | 41.8 | | 9.0 | 28.3 | 5.8 | B | 9.5 | 1 1.6 | 16.5 | | 9.1 | 18 14.1 | 40.8 | K |
| 9.1 | 53.2 | 33.6 | | 8.5 | 58.3 | 9.5 | S | 9.1 | 31.2 | 45.0 | | 9.5 | 12.3 | 4.4 | | 9.4 | 39.9 | 32.9 | B |
| 8.9 | 18 6.9 | 52.2 | B | 8.0 | 31 1.1 | 41.2 | K | 9.0 | 31.6 | 21.1 | | 9.1 | 34.9 | 34.2 | | 9.4 | 40.0 | 15.9 | |
| 9.0 | 12.1 | 56.5 | | 9.1 | 3.2 | 38.8 | K | 9.5 | 39.3 | 32.5 | | 9.5 | 50.4 | 14.1 | | 9.4 | 53.2 | 47.2 | |
| 8.0 | 16.4 | 41.5 | K | 8.2 | 25.6 | 11.6 | K | 8.3 | 43 26.6 | 54.9 | K | 7.5 | 59.0 | 24.1 | K | 7.4 | 19 0.9 | 32.6 | K |
| 9.4 | 40.7 | 26.7 | | 9.5 | 35.7 | 51.2 | | 8.5 | 33.0 | 49.7 | K | 6.9 | 2 10.9 | 8.7 | K | 9.2 | 5.5 | 24.6 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10 pr. | 25.89 | 2.97 | | 10 pr. | 26.46 | 3.06 | | 10 pr. | 26.94 | 3.12 | | 10 pr. | 27.74 | 3.21 | | 10 pr. | 28.43 | 3.26 | |

| 4767 a | | | | |
|---|---|---|---|---|
| 9.5 | 20 | 13.8 | 54.0 | a |

401—460

| m | 1ʰ | +39° | |
|---|---|---|---|
| 9.4 | 38′ 47.8″ | 5.1 | |
| 9.3 | 39 6.6 | 24.5 | K |
| 9.5 | 7.2 | 53.1 | |
| 8.5 | 22.0 | 24.3 | K |
| 9.1 | 44.9 | 24.5 | K |
| 9.5 | 53.1 | 33.6 | |
| 9.1 | 40 20.1 | 45.2 | |
| 8.7 | 30.7 | 34.4 | B |
| 9.5 | 57.2 | 48.1 | |
| 9.5 | 41 23.2 | 10.9 | |
| 9.5 | 27.4 | 19.3 | |
| 8.5 | 30.2 | 44.6 | K |
| 9.1 | 35.3 | 57.5 | |
| 9.5 | 42 7.0 | 54.5 | |
| 9.4 | 10.6 | 7.1 | |
| 8.[illegible] | 11.1 | 40.3 | K |
| 9.4 | 35.3 | 13.1 | |
| [illegible] | 44.7 | 46.1 | |
| 9.5 | 43 25.1 | 16.4 | |
| 8.2 | 39.7 | 55.2 | K |
| 8.9 | 44.6 | 50.3 | K |
| 9.5 | 48.1 | 19.9 | |
| 9.3 | 44 21.4 | 41.3 | |
| 8.0 | 36.5 | 26.9 | B |
| 9.3 | 49.6 | 32.5 | |
| 9.4 | 52.1 | 50.6 | |
| 7.8 | 59.1 | 9.9 | B |
| 9.5 | 45 38.7 | 36.3 | |
| 9.5 | 39.3 | 8.3 | |
| 8.9 | 40.7 | 58.8 | |
| 7.3 | 56.1 | 55.6 | G |
| 8.0 | 58.7 | 34.3 | B |
| 7.0 | 46 4.0 | 13.6 | K |
| 6.8 | 11.6 | 58.8 | L |
| 9.5 | 23.7 | 29.5 | |
| 8.5 | 50.1 | 44.6 | |
| 9.5 | 47 21.6 | 52.2 | |
| 8.8 | 31.7 | 12.7 | K |
| 9.0 | 37.6 | 29.4 | K |
| 9.5 | 49.9 | 28.7 | |
| 9.1 | 48 27.6 | 37.2 | |
| 8.8 | 46.8 | 45.1 | |
| 9.3 | 49 26.1 | 12.8 | |
| 9.0 | 23.3 | 10.0 | B |
| 9.0 | 34.2 | 21.5 | B |
| 8.8 | 34.9 | 59.2 | B |
| 8.8 | 39.4 | 50.0 | |
| 8.0 | 50 54.8 | 50.9 | K |
| 9.5 | 51 5.1 | 7.1 | |
| 7.9 | 46.9 | 15.7 | B |
| 9.5 | 52 2.4 | 6.7 | |
| 9.4 | 3.9 | 33.2 | |
| 9.5 | 56.5 | 51.3 | |
| 8.4 | 53 3.4 | 57.9 | Kb |
| 9.5 | 54 52.5 | 40.0 | |
| 9.0 | 57.8 | 47.2 | K |
| 9.1 | 55 2.0 | 21.4 | K |
| 9.4 | 28.5 | 24.6 | B |
| 9.3 | 56 1.9 | 47.5 | B |
| 9.2 | 13.0 | 53.9 | K |
| | + | + | |
| 10 pr. | 35.63 | 2.99 | |

461—520

| m | 1ʰ—2ʰ | +39° | |
|---|---|---|---|
| 9.5 | 56′ 13.3″ | 49.2 | B |
| 9.4 | 31.1 | 28.7 | B |
| 9.0 | 51.0 | 7.5 | |
| 7.8 | 57 5.2 | 4.3 | K |
| 8.9 | 5.3 | 11.9 | B |
| 9.5 | 11.1 | 49.3 | B |
| 9.5 | 20.4 | 10.7 | |
| 8.5 | 48.7 | 54.4 | L |
| 9.5 | 58 15.7 | 4.5 | |
| 9.1 | 15.7 | 50.9 | |
| 9.3 | 52.1 | 32.7 | K |
| 8.3 | 59 22.1 | 4.4 | B |
| 9.5 | 24.9 | 12.4 | |
| 9.4 | 42.4 | 2.6 | |
| 9.5 | 49.6 | 4.1 | |
| 8.9 | 51.9 | 47.9 | K |
| 9.0 | 58.6 | 16.1 | |
| 9.2 | 59.8 | 46.9 | B |
| 9.0 | 0 1.0 | 8.8 | |
| 9.0 | 18.0 | 51.0 | K |
| 9.3 | 20.4 | 42.9 | K |
| 9.5 | 26.6 | 55.7 | |
| 8.8 | 1 2.2 | 35.3 | K |
| 8.4 | 4.0 | 50.2 | K |
| 9.4 | 6.9 | 53.6 | |
| 9.0 | 58.0 | 16.6 | K |
| 9.4 | 2 1.4 | 7.0 | |
| 9.5 | 17.7 | 15.8 | B |
| 9.5 | 21.3 | 27.7 | |
| 9.5 | 25.7 | 44.6 | |
| 9.5 | 3 8.8 | 44.1 | B |
| 9.2 | 21.3 | 36.5 | |
| 9.5 | 24.5 | 53.4 | |
| 8.9 | 25.4 | 57.7 | K |
| 8.0 | 49.9 | 34.4 | K |
| 7.2 | 4 5.4 | 59.2 | K |
| 9.5 | 14.7 | 27.8 | B |
| 7.0 | 20.0 | 49.6 | L |
| 9.2 | 27.5 | 37.2 | B |
| 9.2 | 58.0 | 45.5 | |
| 8.7 | 5 35.9 | 5.1 | K |
| 9.4 | 39.2 | 20.6 | B |
| 8.8 | 49.4 | 4.2 | K |
| 9.5 | 55.0 | 24.6 | |
| 9.5 | 55.4 | 51.9 | |
| 9.0 | 6 5.7 | 5.5 | |
| 9.0 | 23.2 | 6.9 | K |
| 8.6 | 44.6 | 4.1 | K |
| 9.5 | 7 32.0 | 36.2 | |
| 9.3 | 8 6.8 | 39.7 | |
| 9.4 | 8.7 | 21.4 | |
| 8.8 | 12.1 | 0.3 | K |
| 9.4 | 48.2 | 25.0 | |
| 7.8 | 59.8 | 52.5 | K |
| 9.2 | 9 19.7 | 20.3 | B |
| 9.5 | 30.3 | 46.0 | |
| 6.5 | 45.0 | 36.5 | S |
| 9.4 | 54.1 | 43.5 | B |
| 9.4 | 10 16.4 | 3.0 | |
| 9.3 | 32.7 | 36.9 | |
| | + | + | |
| 10 pr. | 36.34 | 2.87 | |

521—580

| m | 2ʰ | +39° | |
|---|---|---|---|
| 6.8 | 10′ 42.8″ | 10.2 | K |
| 9.2 | 54.8 | 58.1 | |
| 9.3 | 55.2 | 53.5 | |
| 9.4 | 11 3.9 | 3.5 | |
| 9.2 | 20.5 | 6.8 | K |
| 8.5 | 44.5 | 48.8 | K |
| 9.3 | 46.9 | 25.3 | |
| 9.0 | 49.2 | 33.8 | |
| 9.5 | 12 23.9 | 20.7 | |
| 9.5 | 49.7 | 30.6 | B |
| 9.5 | 13 19.4 | 52.3 | |
| 9.5 | 25.3 | 11.3 | B |
| 8.7 | 41.7 | 10.1 | Kb |
| 9.0 | 45.0 | 53.7 | |
| 9.4 | 48.8 | 2.7 | |
| 9.5 | 14 6.1 | 10.8 | |
| 8.0 | 15 10.0 | 26.2 | B |
| 7.0 | 19.5 | 9.8 | K |
| 9.4 | 43.9 | 29.4 | |
| 9.5 | 16 40.0 | 39.0 | |
| 9.5 | 47.5 | 22.8 | |
| 9.5 | 52.1 | 3.9 | |
| 9.0 | 54.2 | 26.5 | K |
| 9.4 | 17 2.6 | 10.9 | B |
| 9.4 | 53.8 | 50.1 | |
| 8.9 | 55.8 | 58.5 | B |
| 8.9 | 56.7 | 35.5 | K |
| 9.4 | 18 15.0 | 14.1 | |
| 9.1 | 19 7.8 | 42.9 | b |
| 9.3 | 46.5 | 13.0 | B |
| 9.5 | 20 4.9 | 36.5 | |
| 9.0 | 21.9 | 21.3 | B |
| 9.2 | 21 13.8 | 8.1 | |
| 6.8 | 37.0 | 31.2 | K |
| 9.5 | 22 5.0 | 6.0 | |
| 9.2 | 42.3 | 53.7 | a |
| 7.7 | 45.8 | 18.0 | K |
| 9.3 | 55.4 | 13.6 | |
| 7.3 | 23 21.8 | 25.3 | K |
| 6.8 | 22.8 | 36.9 | K |
| 9.5 | 47.6 | 5.4 | |
| 9.0 | 24 0.0 | 56.9 | |
| 9.3 | 10.2 | 40.5 | |
| 9.3 | 14.6 | 9.0 | |
| 9.2 | 55.9 | 51.7 | |
| 8.3 | 25 14.9 | 39.1 | B |
| 9.3 | 37.9 | 14.1 | |
| 9.1 | 40.8 | 25.3 | |
| 9.5 | 26 1.9 | 38.2 | |
| 8.5 | 9.8 | 38.1 | L |
| 8.0 | 10.0 | 56.9 | K |
| 9.3 | 21.9 | 56.4 | |
| 7.0 | 26.5 | 2.6 | K |
| 9.4 | 32.9 | 57.0 | |
| 9.5 | 55.0 | 10.3 | |
| 8.3 | 57.9 | 57.5 | K |
| 7.7 | 27 15.8 | 34.0 | L |
| 9.4 | 29.2 | 7.9 | B |
| 9.5 | 32.0 | 48.8 | |
| 9.4 | 34.8 | 54.8 | B |
| | + | + | |
| 10 pr. | 37.04 | 2.74 | |

581—640

| m | 2ʰ | +39° | |
|---|---|---|---|
| 9.5 | 27′ 51.4″ | 36.0 | |
| 6.8 | 28 17.8 | 14.8 | K |
| 9.4 | 59.8 | 4.6 | |
| 9.1 | 29 8.5 | 1.5 | K |
| 8.8 | 22.9 | 49.6 | |
| 8.8 | 24.4 | 42.6 | |
| 9.4 | 34.0 | 29.0 | B |
| 8.8 | 36.7 | 21.3 | K |
| 9.5 | 48.2 | 29.4 | B |
| 9.5 | 52.7 | 3.7 | |
| 9.2 | 54.5 | 29.3 | B |
| 9.5 | 30 14.4 | 57.4 | |
| 8.9 | 26.9 | 29.9 | K |
| 9.3 | 40.3 | 46.2 | |
| 9.5 | 53.9 | 20.7 | |
| 8.4 | 55.8 | 12.7 | L |
| 9.4 | 31 11.8 | 3.4 | |
| 8.7 | 32.8 | 29.1 | K |
| 9.4 | 36.4 | 46.1 | |
| 9.5 | 45.5 | 36.1 | |
| 9.4 | 46.7 | 6.2 | |
| 9.5 | 32 17.5 | 3.6 | |
| 8.5 | 20.4 | 39.0 | K |
| 9.5 | 30.3 | 46.3 | |
| 9.4 | 30.4 | 5.6 | |
| 9.0 | 34.7 | 7.6 | K |
| 9.2 | 39.1 | 39.4 | B |
| 9.3 | 44.1 | 45.9 | |
| 8.8 | 50.4 | 53.9 | |
| 4.9 | 33 7.5 | 34.0 | Kb |
| 8.7 | 19.7 | 38.1 | K |
| 8.0 | 21.0 | 38.5 | K |
| 9.4 | 25.4 | 9.9 | B |
| 9.3 | 40.9 | 10.1 | B |
| 8.9 | 43.1 | 33.5 | |
| 9.4 | 34 5.9 | 8.3 | |
| 9.5 | 7.3 | 14.1 | |
| 8.8 | 54.8 | 16.0 | |
| 9.5 | 57.8 | 53.8 | |
| 9.1 | 57.9 | 34.8 | |
| 9.5 | 35 11.6 | 8.7 | |
| 9.0 | 41.6 | 29.5 | |
| 9.5 | 36 1.8 | 0.1 | |
| 9.5 | 12.3 | 29.5 | |
| 9.5 | 22.6 | 29.0 | |
| 9.3 | 23.4 | 16.2 | B |
| 9.5 | 45.3 | 32.7 | |
| 7.8 | 48.2 | 58.4 | K |
| 9.0 | 51.9 | 41.9 | |
| 8.5 | 52.3 | 14.0 | K |
| 8.5 | 37 5.6 | 11.7 | K |
| 9.5 | 10.0 | 42.9 | |
| 8.9 | 14.3 | 49.0 | |
| 8.2 | 38 10.6 | 17.1 | K |
| 9.5 | 35.8 | 50.1 | |
| 9.3 | 50.7 | 32.4 | |
| 8.8 | 39 27.8 | 11.2 | K |
| 9.1 | 31.7 | 53.4 | |
| 9.1 | 53.5 | 54.3 | Lb |
| 9.3 | 59.9 | 27.9 | |
| | + | + | |
| 10 pr. | 37.55 | 2.62 | |

641—700

| m | 2ʰ | +39° | |
|---|---|---|---|
| 9.4 | 40′ 0.4″ | 38.8 | |
| 7.8 | 4.3 | 52.6 | K |
| 9.4 | 26.3 | 39.8 | B |
| 9.2 | 30.9 | 58.6 | |
| 9.2 | 38.5 | 44.3 | |
| 8.4 | 43.5 | 18.9 | |
| 9.0 | 41 45.9 | 17.7 | |
| 9.4 | 42 9.9 | 32.8 | |
| 9.0 | 13.0 | 20.7 | K |
| 7.8 | 33.3 | 32.8 | K |
| 9.5 | 55.5 | 34.4 | |
| 9.5 | 43 15.9 | 46.6 | a |
| 9.4 | 38.9 | 47.6 | B |
| 9.0 | 48.6 | 17.8 | K |
| 9.5 | 54.0 | 48.5 | |
| 9.5 | 56.3 | 7.5 | |
| 9.3 | 44 10.9 | 33.3 | |
| 8.8 | 22.4 | 41.8 | |
| 8.8 | 28.0 | 28.0 | K |
| 9.3 | 29.5 | 12.6 | |
| 8.3 | 55.5 | 59.3 | K |
| 9.5 | 46 5.8 | 58.6 | |
| 9.5 | 47 10.5 | 5.8 | |
| 9.5 | 15.0 | 51.7 | |
| 9.1 | 22.2 | 53.5 | B |
| 9.3 | 23.7 | 32.1 | |
| 9.3 | 27.7 | 51.2 | |
| 9.5 | 39.4 | 25.3 | |
| 9.4 | 41.0 | 12.5 | |
| 9.5 | 45.0 | 5.5 | |
| 8.3 | 46.0 | 39.9 | K |
| 9.5 | 48 1.1 | 40.3 | |
| 9.5 | 6.6 | 32.4 | |
| 9.4 | 15.3 | 54.8 | |
| 9.5 | 24.2 | 22.8 | |
| 9.5 | 57.8 | 49.0 | |
| 8.5 | 58.5 | 17.3 | |
| 9.3 | 49 4.0 | 5.1 | |
| 9.5 | 8.5 | 44.3 | B |
| 9.0 | 28.6 | 28.2 | |
| 5.1 | 29.5 | 4.5 | Kb |
| 9.5 | 55.8 | 30.8 | |
| 8.8 | 50 1.4 | 15.2 | |
| 8.3 | 2.1 | 42.4 | |
| 9.0 | 51 4.2 | 26.3 | K |
| 9.2 | 11.2 | 20.0 | B |
| 7.3 | 35.7 | 51.2 | K |
| 9.5 | 43.6 | 33.0 | |
| 9.2 | 46.1 | 54.3 | |
| 9.1 | 47.2 | 11.9 | |
| 9.5 | 57.5 | 2.4 | |
| 8.8 | 52 4.7 | 40.6 | Kb |
| 7.7 | 17.2 | 47.3 | K |
| 9.4 | 53 2.6 | 39.1 | |
| 9.6 | 17.8 | 42.1 | |
| 9.5 | 45.7 | 46.6 | B |
| 9.5 | 54 58.9 | 53.6 | |
| 9.3 | 55 0.4 | 15.6 | |
| 6.8 | 7.2 | 43.0 | K |
| 9.5 | 46.6 | 36.6 | |
| | + | + | |
| 10 pr. | 38.09 | 2.48 | |

701—760

| m | 2ª—3ª | +39° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.0 | 55 55.7 | 11.5 | |
| 8.0 | 56 8.0 | 4.2 | K |
| 9.3 | 9.2 | 53.4 | |
| 9.4 | 29.4 | 49.9 | B |
| 9.5 | 33.6 | 50.2 | B |
| 9.0 | 34.7 | 40.1 | |
| 9.3 | 45.4 | 35.4 | |
| 9.4 | 57 14.2 | 22.2 | |
| 9.5 | 29.7 | 13.6 | |
| 9.1 | 31.6 | 48.0 | |
| 9.4 | 40.2 | 21.3 | |
| 8.0 | 56.9 | 38.4 | K |
| 8.2 | 58 17.8 | 30.9 | K |
| 9.5 | 46.2 | 50.7 | B |
| 9.5 | 51.0 | 54.8 | |
| 9.1 | 54.2 | 33.6 | |
| 9.1 | 59 3.1 | 11.5 | |
| 9.4 | 4.1 | 54.5 | |
| 9.4 | 21.5 | 51.0 | |
| 9.4 | 31.2 | 39.3 | |
| 9.5 | 39.5 | 50.2 | |
| 9.4 | 1 9.2 | 27.2 | |
| 9.0 | 32.7 | 10.0 | K |
| 5.2 | 57.1 | 3.9 | Kb |
| 9.2 | 2 8.2 | 38.0 | |
| 8.7 | 17.4 | 33.3 | K |
| 9.4 | 27.9 | 4.1 | B |
| 9.5 | 31.3 | 26.3 | B |
| 9.4 | 3 12.6 | 47.4 | |
| 9.5 | 25.2 | 44.3 | |
| 9.5 | 48.1 | 42.9 | B |
| 9.0 | 50.5 | 3.2 | |
| 8.5 | 4 4.0 | 36.0 | K |
| 9.5 | 14.9 | 18.8 | B |
| 8.8 | 35.2 | 58.3 | |
| 8.5 | 39.3 | 40.4 | K |
| 7.5 | 43.2 | 33.7 | K |
| 8.3 | 5 18.2 | 21.7 | K |
| 9.5 | 43.1 | 17.0 | |
| 9.5 | 6 10.9 | 40.0 | |
| 8.9 | 7 1.3 | 9.3 | |
| 9.5 | 28.7 | 4.7 | |
| 6.8 | 44.5 | 57.2 | K |
| 9.0 | 52.6 | 28.7 | |
| 9.4 | 57.7 | 40.0 | |
| 9.3 | 8 15.8 | 0.4 | |
| 9.3 | 28.2 | 33.3 | |
| 8.8 | 34.5 | 11.6 | K |
| 8.8 | 50.5 | 8.2 | |
| 9.5 | 9 6.7 | 19.1 | |
| 9.4 | 39.5 | 0.1 | |
| 8.9 | 42.9 | 38.0 | |
| 9.5 | 54.6 | 16.3 | |
| 9.4 | 55.7 | 58.3 | |
| 9.0 | 10 19.5 | 56.7 | |
| 9.5 | 33.1 | 53.5 | |
| 9.3 | 42.4 | 3.1 | B |
| 9.4 | 53.8 | 0.6 | |
| 9.4 | 11 11.2 | 15.3 | |
| 9.3 | 50.6 | 58.8 | |
| 10pr. | 38.63 | 2.32 | |

761—820

| m | 3ª | +39° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 11 52.4 | 31.4 | |
| 9.5 | 12 14.2 | 40.0 | |
| 9.3 | 14.8 | 47.8 | |
| 9.0 | 16.0 | 2.9 | K |
| 9.0 | 46.9 | 47.0 | |
| 9.0 | 58.4 | 30.2 | |
| 9.0 | 58.5 | 3.9 | Kb |
| 9.5 | 13 14.3 | 59.0 | |
| 9.4 | 28.0 | 38.9 | |
| 8.5 | 39.1 | 38.0 | K |
| 9.4 | 44.3 | 43.7 | B |
| 9.5 | 48.7 | 9.5 | |
| 9.4 | 14 14.9 | 14.5 | |
| 8.9 | 15.8 | 0.0 | |
| 7.0 | 57.2 | 31.7 | L |
| 9.3 | 15 11.3 | 9.9 | |
| 9.2 | 11.3 | 2.2 | |
| 7.8 | 28.4 | 41.6 | K |
| 9.1 | 32.7 | 31.0 | |
| 8.8 | 34.6 | 37.6 | K |
| 9.5 | 44.7 | 4.4 | |
| 8.8 | 16 17.9 | 57.2 | K |
| 9.5 | 21.1 | 5.9 | |
| 8.2 | 54.3 | 56.0 | K |
| 9.3 | 17 33.4 | 57.8 | B |
| 9.0 | 49.9 | 36.7 | |
| 9.3 | 18 5.2 | 46.5 | |
| 8.6 | 49.2 | 27.8 | K |
| 6.8 | 57.2 | 39.7 | K |
| 7.3 | 19 24.7 | 41.1 | K |
| 9.4 | 26.0 | 5.0 | |
| 9.5 | 58.7 | 51.5 | |
| 9.4 | 20 1.2 | 29.5 | |
| 9.2 | 23.0 | 9.0 | |
| 8.6 | 40.6 | 35.5 | K |
| 9.5 | 42.4 | 50.8 | |
| 9.5 | 21 0.7 | 9.4 | |
| 9.3 | 3.6 | 42.3 | |
| 8.9 | 5.7 | 48.8 | |
| 9.5 | 26.6 | 29.6 | |
| 8.0 | 32.1 | 8.6 | K |
| 9.5 | 58.6 | 56.5 | |
| 9.5 | 22 10.4 | 9.4 | |
| 9.5 | 34.2 | 41.3 | |
| 9.5 | 51.7 | 18.5 | |
| 9.1 | 23 7.8 | 50.9 | |
| 9.5 | 21.4 | 59.7 | |
| 9.2 | 23.6 | 23.6 | |
| 9.3 | 34.4 | 23.1 | |
| 9.5 | 24 1.2 | 50.2 | |
| 6 0 | 2.2 | 24.9 | Gb |
| 8.9 | 18.8 | 45.0 | |
| 9.5 | 42.7 | 21.8 | B |
| 9.4 | 49.2 | 45.5 | B |
| 9.4 | 25 1.6 | 28.0 | |
| 8.0 | 2.6 | 48.1 | aK |
| 9.5 | 46.8 | 18.2 | |
| 8.6 | 49.4 | 52.1 | K |
| 9.5 | 59.3 | 18.2 | |
| 9.1 | 26 6.7 | 25.3 | |
| 10pr. | 39.14 | 2.16 | |

821—880

| m | 3ª | +39° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 26 10.7 | 0.6 | |
| 8.7 | 23.8 | 6.1 | K |
| 9.1 | 30.7 | 51.9 | |
| 9.4 | 33.5 | 46.9 | B |
| 9.5 | 44.6 | 22.1 | |
| 9.5 | 49.7 | 4.2 | |
| 9.3 | 27 37.4 | 15.6 | B |
| 9.4 | 41.3 | 17.1 | |
| 7.0 | 48.6 | 36.4 | K |
| 9.5 | 28 3.2 | 44.3 | |
| 9.5 | 10.0 | 1.7 | |
| 9.5 | 57.6 | 29.2 | |
| 8.9 | 29 5.7 | 13.1 | |
| 9.4 | 11.4 | 5.3 | B |
| 9.3 | 54.7 | 10.4 | |
| 9.5 | 54.9 | 47.4 | |
| 9.4 | 30 19.6 | 20.0 | |
| 9.4 | 31 22.4 | 39.8 | |
| 9.3 | 27.4 | 19.6 | B |
| 9.4 | 34.9 | 18.1 | |
| 9.3 | 41.4 | 21.8 | |
| 9.4 | 47.4 | 5.0 | |
| 9.4 | 54.8 | 17.6 | |
| 8.5 | 32 3.3 | 13.7 | B |
| 9.4 | 28.6 | 46.3 | |
| 8.8 | 33 17.2 | 26.5 | |
| 9.5 | 34 1.7 | 55.1 | |
| 9.4 | 6.7 | 10.5 | |
| 9.5 | 27.3 | 27.8 | |
| 9.5 | 41.6 | 27.0 | |
| 9.3 | 35 24.0 | 58.4 | |
| 7.0 | 26.4 | 37.4 | K |
| 9.4 | 36 3.1 | 33.1 | B |
| 9.5 | 10.3 | 42.6 | |
| 9.4 | 18.0 | 38.4 | B |
| 9.5 | 23.9 | 35.3 | |
| 9.5 | 28.1 | 41.0 | |
| 9.0 | 37 9.4 | 8.1 | K |
| 9.3 | 23.9 | 25.6 | |
| 9.4 | 34.9 | 43.5 | |
| 9.0 | 38 2.2 | 14.5 | |
| 8.5 | 4.6 | 23.1 | Kb |
| 9.4 | 13.8 | 54.1 | |
| 9.5 | 43.1 | 8.1 | |
| 9.0 | 47.9 | 47.0 | |
| 9.4 | 55.2 | 10.8 | B |
| 9.4 | 39 4.6 | 44.3 | |
| 9.2 | 41.7 | 48.5 | |
| 9.1 | 44.9 | 57.8 | |
| 9.5 | 40 8.2 | 51.6 | |
| 9.4 | 11.4 | 57.3 | |
| 9.5 | 27.6 | 29.7 | |
| 9.5 | 41 30.7 | 11.5 | |
| 9.0 | 42 7.9 | 49.2 | |
| 8.2 | 11.0 | 18.1 | B |
| 9.0 | 19.9 | 19.4 | |
| 9.5 | 20.9 | 57.5 | |
| 8.3 | 22.2 | 49.1 | B |
| 9.0 | 47.6 | 23.9 | |
| 7.5 | 51.0 | 55.4 | L |
| 10pr. | 39.61 | 1.98 | |

881—940

| m | 3ª—4ª | +39° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 8.5 | 42 52.9 | 39.5 | L |
| 9.1 | 43 3.8 | 32.7 | B |
| 9.4 | 43.4 | 30.4 | |
| 9.5 | 44 21.2 | 38.0 | |
| 9.5 | 22.7 | 10.0 | |
| 9.5 | 50.1 | 4.6 | B |
| 9.3 | 27 37.4 | 15.6 | B |
| 7.8 | 45 14.7 | 24.5 | K |
| 8.8 | 20.6 | 28.4 | |
| 9.3 | 34.3 | 11.0 | |
| 9.5 | 38.7 | 30.6 | |
| 9.0 | 44.2 | 12.5 | |
| 9.5 | 56.7 | 12.5 | |
| 9.5 | 46 18.2 | 32.7 | |
| 9.5 | 47 43.7 | 57.3 | |
| 3.2 | 48 9.1 | 35.4 | K |
| 9.0 | 17.0 | 32.5 | K |
| 8.8 | 32.8 | 2.4 | K |
| *9.5 | 49 9.4 | 54.2 | |
| 9.5 | 14.5 | 48.3 | |
| 9.5 | 32.2 | 24.3 | |
| 9.5 | 49.0 | 43.8 | |
| 8.8 | 50.2 | 35.9 | B |
| 9.5 | 50 5.0 | 44.2 | |
| 7.4 | 26.8 | 35.8 | K |
| 8.5 | 46.4 | 47.4 | K |
| 9.1 | 49.0 | 53.3 | |
| 9.5 | 51 9.0 | 37.6 | B |
| 9.2 | 22.7 | 54.1 | |
| 7.0 | 33.0 | 41.8 | Kb |
| 8.3 | 37.4 | 29.9 | L |
| 7.3 | 52 4.7 | 33.8 | L |
| 9.1 | 13.6 | 56.3 | |
| 9.0 | 30.2 | 41.7 | |
| 9.1 | 38.8 | 34.0 | |
| 9.5 | 53 46.0 | 49.4 | |
| 9.5 | 54 8.8 | 21.7 | |
| 9.5 | 20.0 | 56.4 | |
| 7.0 | 23.4 | 6.0 | K |
| 9.3 | 26.2 | 17.0 | |
| 9.4 | 55 9.5 | 54.5 | |
| 7.5 | 42.5 | 53.8 | K |
| 8.4 | 56.7 | 22.0 | L |
| 9.4 | 58.9 | 40.1 | |
| 9.0 | 56 2.1 | 42.2 | |
| 9.5 | 36.9 | 44.3 | |
| 9.2 | 44.1 | 19.8 | |
| 9.3 | 52.4 | 7.3 | |
| 9.0 | 57 14.0 | 31.6 | |
| 8.8 | 14.8 | 0.1 | K |
| 8.7 | 16.4 | 10.7 | |
| 9.5 | 31.0 | 30.1 | |
| 9.3 | 58 18.5 | 29.8 | |
| 8.8 | 33.3 | 32.0 | |
| 8.8 | 37.1 | 11.6 | K |
| 9.5 | 45.4 | 59.0 | |
| 8.0 | 55.4 | 19.0 | K |
| 7.8 | 59 24.5 | 46.4 | K |
| 9.1 | 29.0 | 50.4 | |
| 9.2 | 29.3 | 37.9 | |
| 9.2 | 0 26.7 | 44.3 | |
| 10pr. | 40.07 | 1.78 | |

941—1000

| m | 4ª | +39° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.4 | 0 47.8 | 56.4 | |
| 9.2 | 57.7 | 41.8 | B |
| 8.9 | 1 28.5 | 13.5 | K |
| 9.5 | 30.4 | 4.0 | |
| 8.2 | 52.2 | 53.0 | B |
| 9.4 | 58.0 | 49.7 | |
| 9.1 | 2 8.7 | 38.5 | |
| 9.5 | 14.1 | 3.2 | |
| 9.4 | 14.5 | 18.2 | |
| 9.1 | 16.0 | 35.7 | |
| 8.7 | 53.7 | 5.3 | K |
| 8.1 | 3 13.5 | 58.8 | L |
| 9.4 | 33.8 | 59.8 | |
| 8.3 | 44.1 | 42.1 | K |
| 9.3 | 51.9 | 59.0 | a |
| 7.0 | 57.3 | 18.9 | Kb |
| 9.1 | 4 23.8 | 58.8 | K |
| 9.4 | 5 17.4 | 52.1 | |
| 8.9 | 41.0 | 48.3 | |
| 9.5 | 6 18.9 | 55.2 | B |
| 9.5 | 49.0 | 0.9 | |
| 7.5 | 50.4 | 39.7 | K |
| 9.5 | 55.4 | 11.5 | |
| 9.5 | 7 9.4 | 32.3 | |
| 8.9 | 54.9 | 52.7 | |
| 9.5 | 8 33.2 | 37.7 | |
| 8.9 | 39.0 | 29.6 | |
| 9.5 | 40.0 | 58.5 | |
| 9.5 | 9 21.3 | 15.1 | |
| 9.4 | 27.4 | 51.8 | |
| 9.5 | 29.9 | 37.0 | |
| 8.0 | 52.4 | 34.1 | K |
| 7.8 | 10 25.2 | 29.2 | K |
| 9.5 | 46.3 | 53.5 | |
| 9.3 | 11 0.5 | 45.4 | |
| 9.0 | 15.3 | 8.4 | K |
| 9.1 | 22.0 | 13.3 | |
| 9.2 | 23.9 | 4.7 | |
| 9.3 | 56.5 | 11.4 | |
| 7.4 | 12 9.7 | 35.3 | Kb |
| 9.5 | 52.4 | 43.0 | |
| 9.2 | 13 11.4 | 13.8 | K |
| 9.5 | 18.0 | 19.5 | |
| 9.5 | 30.4 | 44.1 | |
| 9.5 | 37.2 | 48.4 | |
| 9.5 | 15 35.3 | 30.2 | |
| 9.4 | 42.9 | 5.3 | |
| 8.6 | 16 46.9 | 43.7 | B |
| 8.0 | 17 7.5 | 57.4 | Lb |
| 9.2 | 7.5 | 32.9 | |
| 9.3 | 27.0 | 4.8 | |
| 9.4 | 41.0 | 4.9 | |
| 9.5 | 41.7 | 28.4 | |
| 8.0 | 42.8 | 21.3 | K |
| 9.5 | 18 9.6 | 51.8 | |
| 9.5 | 11.9 | 10.5 | |
| 9.4 | 12.5 | 3.7 | |
| 9.4 | 31.7 | 21.1 | |
| 9.0 | 48.2 | 7.5 | |
| 9.5 | 19 15.0 | 8.9 | |
| 10pr. | 40.49 | 1.55 | |

897a
9.5 | 48 33.8 | 30.9

42

| 1001—1060 | | | | | 1061—1120 | | | | | 1121—1180 | | | | | 1181—1240 | | | | | 1241—1300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ | | +39° | | | 4ᵐ | | +39° | | | 4ᵐ | | +39° | | | 4ᵐ—5ᵐ | | +39° | | | 5ᵐ | | +39° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 19 | 20.1 | 1.1 | Kb | 9.3 | 37 | 9.2 | 20.1 | | 9.5 | 48 | 10.5 | 26.2 | | 9.5 | 58 | 18.6 | 37.2 | | 9.0 | 7 | 55.0 | 23.5 | Kb |
| 9.3 | | 24.0 | 10.3 | | 9.5 | | 22.1 | 52.0 | | 7.3 | | 10.8 | 50.0 | K | 9.5 | | 18.8 | 50.4 | | 9.2 | | 56.6 | 7.4 | |
| 9.2 | | 24.8 | 7.9 | | 9.4 | | 34.1 | 36.9 | | 9.5 | | 14.0 | 5.0 | | 8.0 | | 27.3 | 40.3 | K | 9.4 | 8 | 28.7 | 37.1 | |
| 8.5 | 20 | 8.9 | 31.2 | K | 9.4 | | 39.5 | 26.0 | | 9.5 | | 17.2 | 6.4 | | 9.0 | | 32.0 | 46.5 | | 9.2 | | 30.4 | 25.0 | K |
| 9.1 | | 11.0 | 13.0 | | 8.5 | | 44.1 | 58.5 | K | 9.5 | | 30.3 | 3.1 | | 9.5 | | 34.8 | 12.0 | | 8.2 | | 33.2 | 11.2 | K |
| 9.4 | | 15.2 | 19.8 | | 9.5 | | 44.7 | 12.8 | | 9.4 | | 42.0 | 23.6 | | 9.5 | | 36.2 | 59.6 | | 8.8 | | 42.3 | 2.6 | K |
| 8.6 | | 32.2 | 13.7 | Kb | 9.4 | | 45.4 | 25.0 | | 8.8 | | 57.8 | 51.3 | K | 9.2 | | 39.5 | 8.8 | | 9.5 | | 47.3 | 7.7 | |
| 8.0 | | 32.7 | 32.8 | K | 9.5 | | 56.3 | 3.7 | | 9.5 | 49 | 9.5 | 26.2 | | 9.5 | | 41.4 | 32.4 | | 4.9 | | 56.3 | 58.8 | Kb |
| 8.5 | | 34.1 | 6.4 | K | 9.2 | 38 | 8.9 | 42.1 | B | 9.2 | | 21.9 | 35.0 | | 9.5 | | 43.4 | 29.9 | | 9.4 | | 58.9 | 52.4 | |
| 9.3 | | 44.4 | 26.6 | | 9.4 | | 18.8 | 41.0 | | 9.5 | | 25.3 | 48.0 | | 9.5 | | 47.2 | 2.7 | | 9.1 | 9 | 0.5 | 59.5 | |
| 8.5 | | 50.5 | 30.2 | K | 9.5 | | 53.5 | 18.0 | | 9.4 | | 33.1 | 6.2 | B | 8.0 | | 54.3 | 17.6 | L | 8.2 | | 10.4 | 25.0 | K |
| 7.8 | | 53.4 | 48.8 | L | 9.5 | 39 | 1.9 | 56.4 | | 9.2 | 50 | 3.4 | 26.7 | | 8.1 | 59 | 41.5 | 23.8 | L | 9.5 | | 25.1 | 23.3 | |
| 6.6 | 21 | 31.7 | 41.6 | K | 9.3 | | 23.3 | 0.5 | | 6.4 | | 20.4 | 10.4 | Kb | 9.5 | | 46.6 | 32.7 | | 9.1 | | 49.3 | 29.7 | |
| 9.5 | | 42.4 | 2.6 | | 9.1 | | 31.0 | 30.2 | K | 6.8 | | 23.5 | 26.0 | K | 7.9 | | 55.3 | 57.6 | K | 9.0 | | 54.5 | 13.4 | |
| 9.2 | | 50.7 | 40.0 | | 9.2 | | 31.1 | 16.6 | B | 9.0 | | 35.3 | 15.2 | | 9.1 | 0 | 25.0 | 1.5 | | 7.3 | 10 | 1.3 | 38.0 | L |
| 8.3 | | 51.4 | 35.2 | K | 9.5 | | 39.9 | 10.1 | | 9.5 | | 36.0 | 45.4 | | 9.5 | | 28.7 | 34.9 | | 9.5 | | 4.4 | 1.1 | |
| 9.3 | 22 | 45.5 | 15.0 | | 9.3 | | 57.1 | 46.0 | | 9.4 | | 38.7 | 40.5 | | 9.5 | | 40.4 | 55.9 | | 7.6 | | 5.4 | 11.1 | B |
| 9.5 | | 46.5 | 40.9 | | 9.5 | 40 | 0.4 | 32.3 | | 7.5 | 51 | 22.0 | 44.8 | L | 8.2 | 1 | 3.9 | 5.5 | S | 9.4 | | 9.0 | 24.0 | |
| 9.0 | 23 | 11.8 | 55.4 | | 8.7 | | 17.1 | 33.9 | K | 9.5 | | 25.9 | 22.7 | | 9.3 | | 24.3 | 28.5 | | 8.5 | | 13.9 | 24.5 | |
| 9.5 | | 12.9 | 37.5 | | 9.5 | | 47.3 | 20.3 | | 9.1 | | 27.3 | 4.4 | | 9.0 | | 25.3 | 27.0 | | 9.2 | | 32.7 | 29.1 | |
| 9.2 | | 21.7 | 5.6 | b | 9.3 | | 51.0 | 10.2 | | 9.4 | | 32.8 | 52.2 | | 8.4 | | 50.1 | 45.3 | L | 9.5 | | 51.0 | 40.1 | |
| 9.5 | | 35.5 | 11.7 | | 9.4 | | 56.9 | 55.9 | | 8.5 | | 39.3 | 1.8 | K | 9.0 | | 54.0 | 27.0 | | 8.0 | | 59.3 | 28.0 | K |
| 9.3 | | 52.8 | 5.3 | b | 9.5 | | 58.3 | 12.9 | | 9.2 | | 40.3 | 3.5 | K | 8.9 | | 57.5 | 58.6 | | 9.5 | 11 | 2.3 | 0.6 | |
| 9.5 | | 59.6 | 33.0 | | 9.5 | 41 | 27.9 | 20.0 | | 9.5 | | 58.7 | 12.4 | | 9.4 | 2 | 9.4 | 22.8 | | 9.4 | | 5.0 | 10.0 | |
| 9.0 | 24 | 8.8 | 48.3 | | 9.5 | | 30.7 | 44.0 | B | 9.5 | 52 | 3.8 | 36.4 | | 7.1 | | 11.4 | 55.1 | K | 9.4 | | 10.8 | 14.6 | |
| 9.5 | | 13.1 | 4.8 | | 9.4 | | 31.0 | 30.4 | | 9.5 | | 33.2 | 25.8 | | 8.8 | | 13.0 | 30.9 | K | 8.9 | | 12.3 | 33.9 | |
| 9.4 | | 20.0 | 12.7 | | 8.8 | 42 | 10.5 | 23.0 | | 9.5 | | 51.1 | 45.8 | | 9.4 | | 14.1 | 38.9 | | 8.6 | | 14.7 | 31.9 | K |
| 9.2 | 25 | 1.4 | 0.8 | | 9.5 | | 17.3 | 6.0 | | 9.4 | | 58.3 | 57.9 | | 9.5 | | 24.3 | 38.6 | | 9.5 | | 26.0 | 19.3 | |
| 9.3 | | 13.5 | 1.8 | | 9.5 | | 21.3 | 8.0 | | 9.5 | 53 | 17.5 | 9.2 | | 9.5 | | 31.0 | 45.2 | | 9.5 | | 26.4 | 43.2 | |
| 8.0 | | 48.9 | 26.2 | K | 8.0 | | 30.8 | 2.2 | K | 9.5 | | 19.0 | 15.9 | | 9.5 | | 35.8 | 53.5 | | 9.5 | | 33.6 | 56.7 | |
| 9.5 | | 49.9 | 0.9 | | 9.5 | | 38.9 | 56.8 | | 9.3 | | 21.7 | 20.1 | | 9.5 | | 44.3 | 29.0 | | 8.4 | | 44.3 | 32.7 | K |
| 9.3 | 26 | 3.0 | 36.4 | Kb | 9.3 | | 57.3 | 48.3 | | 8.5 | | 25.2 | 51.8 | B | 9.4 | 3 | 0.0 | 19.2 | | 7.5 | | 53.5 | 25.3 | K |
| 9.2 | | 23.0 | 23.5 | | 9.4 | 43 | 37.3 | 0.5 | | 9.4 | | 30.6 | 52.0 | | 9.1 | | 8.3 | 58.3 | K | 9.1 | | 56.9 | 37.6 | |
| 9.4 | | 24.3 | 33.3 | | 9.5 | | 38.9 | 42.6 | | 9.5 | | 55.3 | 36.3 | | 9.5 | | 23.0 | 10.2 | | 8.7 | 12 | 4.8 | 21.8 | K |
| 9.5 | 27 | 3.5 | 37.4 | | 9.4 | | 48.0 | 55.0 | | 9.5 | 54 | 1.3 | 22.0 | | 9.1 | | 51.6 | 47.2 | | 9.5 | | 35.8 | 23.1 | |
| 8.0 | | 39.9 | 59.9 | K | 8.3 | | 55.8 | 45.8 | K | 9.2 | | 6.7 | 20.3 | K | 9.5 | 4 | 3.0 | 41.5 | | 9.5 | | 53.0 | 15.0 | |
| 8.2 | 28 | 30.2 | 9.2 | B | 9.5 | | 56.3 | 13.9 | | 8.3 | | 35.6 | 45.8 | K | 9.3 | | 17.2 | 50.0 | | 9.2 | | 58.1 | 26.0 | |
| 9.0 | | 46.2 | 26.9 | | 9.1 | 44 | 6.1 | 54.5 | | 9.5 | | 36.9 | 53.2 | | 8.9 | | 18.9 | 8.0 | | 8.6 | 13 | 2.3 | 9.0 | K |
| 9.3 | 29 | 2.4 | 57.0 | | 8.9 | | 8.3 | 20.6 | | 8.2 | | 40.8 | 36.4 | K | 8.0 | | 24.3 | 11.5 | B | 9.5 | | 6.5 | 59.0 | |
| 9.2 | | 15.1 | 34.0 | | 9.1 | | 24.0 | 19.4 | | 9.4 | | 54.7 | 3.5 | | 9.0 | | 35.8 | 41.1 | | 9.5 | | 7.9 | 55.6 | |
| 9.5 | | 54.2 | 56.3 | | 9.5 | | 44.1 | 11.8 | | 9.5 | 55 | 0.0 | 47.3 | | 9.3 | | 38.4 | 58.8 | | 9.5 | | 15.3 | 12.5 | |
| 7.0 | 30 | 9.1 | 30.2 | K | 9.3 | | 49.7 | 44.2 | | 9.5 | | 1.9 | 17.0 | | 9.5 | | 43.2 | 35.0 | | 9.2 | | 36.0 | 3.3 | |
| 8.8 | | 44.1 | 3.3 | K | 9.2 | | 53.4 | 37.7 | | 8.5 | | 9.3 | 4.3 | K | 9.5 | | 52.1 | 28.3 | | 9.5 | | 37.7 | 26.8 | |
| 9.5 | 31 | 7.3 | 11.9 | B | 9.4 | 45 | 5.1 | 42.9 | B | 8.8 | | 13.5 | 54.4 | K | 8.5 | | 54.4 | 20.3 | | 9.0 | | 49.5 | 53.4 | |
| 8.8 | | 16.3 | 18.1 | B | 8.4 | | 8.2 | 39.9 | K | 9.0 | | 36.3 | 21.1 | | 8.8 | 5 | 6.3 | 57.4 | K | 9.4 | | 49.6 | 5.0 | |
| 9.5 | | 33.3 | 54.2 | | 9.4 | | 30.4 | 45.8 | | 9.5 | | 58.2 | 13.7 | | 9.0 | | 14.0 | 28.0 | | 9.5 | | 51.7 | 40.5 | |
| 9.5 | | 41.2 | 50.4 | | 9.4 | | 58.3 | 56.6 | | 8.6 | | 59.8 | 22.8 | L | 9.5 | | 45.6 | 30.6 | | 8.9 | | 52.0 | 57.6 | K |
| 9.5 | | 42.0 | 45.5 | | 9.5 | | 59.2 | 45.5 | | 9.4 | 56 | 0.9 | 42.3 | | 9.5 | 6 | 0.5 | 50.7 | | 9.5 | 14 | 4.8 | 22.2 | |
| 9.4 | 32 | 5.9 | 39.3 | | 8.0 | 46 | 29.5 | 56.1 | L | 7.8 | | 24.3 | 50.0 | K | 9.4 | | 2.7 | 1.0 | | 8.0 | | 8.3 | 13.3 | B |
| 9.5 | | 8.4 | 35.3 | | 9.5 | | 40.3 | 22.7 | | 9.1 | | 35.3 | 41.8 | L | 9.4 | | 18.9 | 56.8 | | 8.6 | | 16.3 | 30.0 | K |
| 9.5 | | 57.5 | 17.7 | | 9.5 | | 41.7 | 48.6 | | 9.5 | | 45.9 | 58.3 | | 8.7 | | 23.8 | 41.8 | | 8.8 | | 19.5 | 11.7 | |
| 8.9 | 33 | 44.1 | 56.6 | L | 8.5 | | 46.3 | 3.3 | K | 9.5 | 57 | 10.3 | 37.3 | | 9.2 | | 24.1 | 37.6 | | 9.5 | | 28.3 | 0.5 | |
| 9.5 | 34 | 11.5 | 8.6 | | 9.0 | | 59.1 | 35.4 | K | 9.5 | | 26.5 | 2.6 | | 9.0 | | 49.3 | 48.4 | | 9.5 | | 29.0 | 46.5 | |
| 8.3 | | 35.4 | 36.0 | K | 8.5 | 47 | 11.3 | 1.4 | Kb | 9.0 | | 32.3 | 57.4 | | 9.5 | 7 | 3.7 | 50.0 | | 8.8 | | 39.1 | 36.4 | |
| 9.1 | | 52.5 | 1.9 | | 9.1 | | 14.0 | 8.0 | | 7.8 | | 48.6 | 45.0 | K | 9.5 | | 7.0 | 52.7 | | 9.1 | | 58.0 | 58.0 | |
| 8.8 | | 55.4 | 17.5 | | 8.4 | | 43.4 | 14.9 | K | 8.0 | | 51.3 | 39.3 | K | 7.0 | | 11.3 | 18.0 | K | 9.2 | 15 | 26.0 | 33.9 | |
| 9.5 | 35 | 6.0 | 43.4 | | 8.0 | | 50.9 | 24.5 | K | 9.4 | 58 | 9.2 | 9.9 | | 9.4 | | 16.5 | 59.7 | | 9.5 | | 45.8 | 31.5 | |
| 9.5 | | 25.5 | 43.2 | | 9.2 | | 58.3 | 12.7 | K | 9.5 | | 12.4 | 34.4 | | 9.2 | | 17.8 | 10.7 | | 9.5 | | 56.7 | 26.0 | |
| 9.4 | 36 | 13.4 | 5.7 | | 9.5 | 48 | 6.7 | 12.3 | | 9.5 | | 15.9 | 50.4 | | 9.5 | | 25.7 | 40.8 | | 8.3 | 16 | 22.3 | 30.4 | K |
| 9.5 | 37 | 2.0 | 54.5 | | 9.1 | | 7.0 | 42.1 | | 8.0 | | 17.5 | 31.9 | K | 9.5 | | 32.9 | 27.5 | | 9.5 | | 24.5 | 1.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 40.82 | 1.33 | | 10pr. | | 41.12 | 1.11 | | 10pr. | | 41.28 | 0.96 | | 10pr. | | 41.40 | 0.83 | | 10pr. | | 41.50 | 0.70 | |

| 1301—1360 | | | | 1361—1420 | | | | 1421—1480 | | | | 1481—1540 | | | | 1541—1600 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5m | | +39° | | 5m | | +39° | | 5m | | +39° | | 5m—6m | | +39° | | 6m | | +39° | |
| m | | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 9.4 | 16 | 45.3 | 2.2 | | 9.3 | 27 | 7.2 | 10.2 | | 8.0 | 39 | 58.1 | 31.3 | S | 9.4 | 50 | 47.9 | 53.5 | | 9.5 | 1 | 42.5 | 23.3 | |
| 9.0 | | 50.0 | 17.8 | | 9.3 | | 8.5 | 30.9 | | 9.2 | 40 | 14.4 | 56.7 | | 9.1 | 51 | 7.5 | 57.0 | | 9.1 | | 45.0 | 30.0 | K |
| 9.5 | 17 | 2.4 | 10.4 | | 9.5 | | 34.1 | 11.5 | | 9.0 | | 26.1 | 31.2 | | 9.4 | | 18.2 | 57.0 | | 9.5 | 2 | 1.0 | 2.8 | |
| 9.0 | | 32.7 | 54.9 | K | 9.3 | | 34.4 | 56.8 | *a* | 9.5 | | 31.7 | 50.8 | | 9.5 | | 28.7 | 20.9 | | 9.5 | | 22.5 | 27.0 | |
| 8.9 | | 47.0 | 2.3 | K | 8.9 | 28 | 12.3 | 5.9 | | 9.5 | | 34.0 | 25.3 | | 9.5 | | 44.7 | 50.4 | | 9.5 | | 47.0 | 13.4 | |
| 9.2 | | 49.1 | 5.6 | | 9.5 | | 15.2 | 25.8 | | 9.5 | | 34.6 | 44.0 | | 9.5 | | 50.0 | 54.7 | | 9.4 | 3 | 5.1 | 29.0 | |
| 9.3 | | 51.2 | 3.6 | | 8.7 | | 31.9 | 50.7 | Kb | 9.5 | | 35.7 | 37.0 | | 9.2 | | 53.9 | 21.6 | Kb | 9.5 | | 13.8 | 27.5 | |
| 8.6 | 18 | 5.9 | 3.5 | K | 9.4 | | 42.8 | 16.4 | | 9.2 | 41 | 10.3 | 44.8 | | 9.5 | 52 | 19.8 | 42.1 | | 9.2 | | 23.9 | 36.9 | |
| 9.1 | | 37.0 | 44.5 | | 9.5 | | 47.1 | 3.1 | | 4.0 | | 26.6 | 6.0 | G | 9.5 | | 26.6 | 16.3 | | 8.7 | | 44.7 | 16.1 | |
| 9.1 | | 39.4 | 48.2 | | 9.5 | 29 | 4.9 | 28.8 | | 7.7 | | 51.1 | 31.2 | B | 9.5 | | 36.0 | 27.8 | | 9.2 | | 47.0 | 45.9 | |
| 9.0 | | 53.7 | 35.9 | | 9.4 | | 12.8 | 7.6 | | 9.5 | 42 | 2.9 | 4.1 | | 9.5 | | 38.5 | 38.4 | | 9.4 | 4 | 6.4 | 12.7 | |
| 9.5 | 19 | 15.9 | 52.2 | | 9.5 | | 31.0 | 38.5 | | 9.3 | | 15.6 | 8.8 | | 9.4 | | 47.3 | 7.0 | | 9.0 | | 13.4 | 8.3 | K |
| 8.6 | | 18.0 | 13.2 | | 7.8 | | 54.5 | 47.7 | B | 9.4 | | 31.4 | 54.0 | | 9.3 | 53 | 8.0 | 56.4 | | 7.9 | | 14.4 | 42.6 | Kb |
| 9.0 | | 33.9 | 16.9 | | 9.5 | | 58.7 | 30.2 | | 9.5 | | 31.8 | 50.6 | | 8.7 | | 17.6 | 48.5 | | 9.5 | | 30.0 | 59.9 | |
| 9.0 | | 38.0 | 41.2 | | 8.9 | 30 | 4.4 | 51.4 | K | 7.3 | | 34.6 | 31.9 | B | 9.3 | | 25.5 | 23.8 | | 9.5 | | 34.9 | 21.4 | |
| 8.6 | | 51.5 | 31.4 | | 9.5 | | 4.5 | 15.4 | | 8.6 | | 48.9 | 9.5 | | 9.3 | | 36.0 | 38.4 | | 9.5 | | 35.4 | 26.6 | |
| 9.5 | 20 | 6.9 | 42.7 | | 7.7 | | 26.1 | 45.0 | B | 8.6 | | 54.8 | 12.2 | | 9.3 | | 38.7 | 43.6 | | 9.4 | | 39.0 | 19.9 | B |
| 9.2 | | 23.9 | 34.4 | | 9.5 | | 40.9 | 22.4 | | 9.5 | 43 | 9.4 | 3.7 | | 9.5 | | 51.0 | 22.6 | | 9.5 | | 57.5 | 6.0 | |
| 9.5 | | 25.3 | 5.3 | | 7.9 | 31 | 1.4 | 33.1 | B | 9.5 | | 31.5 | 33.9 | | 9.2 | | 53.7 | 51.4 | | 8.0 | 5 | 9.5 | 58.9 | B |
| 9.5 | | 25.8 | 48.0 | | 9.1 | | 21.3 | 52.6 | Kb | 8.2 | | 35.9 | 4.0 | K | 8.8 | 54 | 18.1 | 57.4 | | 9.0 | | 23.4 | 58.2 | |
| 7.7 | | 34.7 | 42.6 | K | 9.2 | | 26.1 | 47.5 | | 9.0 | | 43.2 | 19.7 | | 9.5 | | 20.6 | 5.5 | | 9.5 | | 33.4 | 57.2 | |
| 6.5 | | 40.5 | 42.6 | K | 9.5 | | 26.4 | 49.9 | | 8.7 | | 47.5 | 12.0 | K | 9.5 | | 23.7 | 0.6 | | 8.5 | | 36.8 | 46.1 | K |
| 9.5 | | 54.4 | 25.0 | | 9.2 | | 28.5 | 41.0 | | 9.5 | | 57.5 | 26.6 | | 9.1 | | 38.7 | 23.8 | K | 8.2 | | 37.4 | 32.8 | K |
| 9.4 | | 54.4 | 4.8 | | 9.4 | | 43.3 | 55.5 | *a* | 9.4 | 44 | 7.9 | 15.8 | | 9.3 | | 42.4 | 33.0 | | 9.2 | | 45.1 | 20.2 | |
| 9.2 | | 56.9 | 29.7 | | 9.5 | | 53.3 | 49.8 | | 9.5 | | 8.6 | 45.9 | | 9.3 | 55 | 1.3 | 11.0 | | 9.4 | | 46.3 | 1.2 | |
| 8.0 | | 57.0 | 54.9 | Gb | 9.5 | | 58.7 | 56.7 | | 9.5 | | 17.0 | 28.1 | | 9.4 | | 8.0 | 50.8 | | 9.2 | | 51.4 | 14.5 | |
| 9.5 | 21 | 0.7 | 28.5 | | 8.5 | 32 | 19.3 | 43.3 | K | 9.3 | | 26.6 | 9.4 | | 8.6 | | 21.1 | 22.9 | K | 9.3 | | 56.4 | 14.8 | |
| 9.2 | 22 | 8.1 | 56.6 | b | 8.2 | 33 | 10.4 | 53.8 | B | 8.5 | | 34.7 | 7.0 | K | 8.9 | | 31.7 | 39.2 | | 8.8 | 6 | 22.4 | 34.8 | |
| 9.3 | | 11.4 | 9.4 | | 9.2 | | 25.7 | 39.3 | | 9.5 | 45 | 31.8 | 1.5 | | 8.9 | 56 | 6.4 | 36.7 | K | 9.5 | | 46.3 | 30.3 | |
| 8.2 | | 40.5 | 27.4 | K | 9.5 | | 31.4 | 30.2 | | 9.5 | | 38.3 | 2.4 | | 9.4 | | 10.3 | 58.4 | | 8.8 | | 49.2 | 45.4 | |
| 9.5 | | 47.3 | 56.5 | | 9.0 | | 53.2 | 20.3 | K | 9.0 | | 50.9 | 47.3 | | 9.2 | | 12.4 | 45.6 | | 9.3 | 7 | 21.5 | 59.5 | |
| 9.5 | | 53.3 | 8.0 | | 9.4 | | 56.5 | 52.9 | | 9.5 | | 54.0 | 58.1 | | 8.3 | | 33.4 | 6.5 | | 9.3 | | 23.0 | 52.3 | |
| 9.5 | | 59.4 | 18.3 | | 9.5 | 34 | 20.7 | 38.1 | | 8.5 | 46 | 4.1 | 40.7 | | 9.4 | | 37.5 | 0.0 | | 9.1 | | 23.9 | 35.5 | |
| 9.0 | 23 | 10.6 | 23.3 | | 9.2 | | 24.5 | 22.3 | K | 9.3 | | 12.4 | 0.6 | | 8.6 | | 51.5 | 45.2 | K | 9.4 | | 27.5 | 30.9 | |
| 7.8 | | 14.3 | 24.3 | K | 9.4 | | 41.3 | 52.4 | | 9.4 | | 15.5 | 6.3 | | 9.1 | 57 | 5.8 | 10.3 | B | 7.0 | | 29.0 | 54.1 | B |
| 9.5 | | 35.7 | 10.0 | | 9.5 | | 42.0 | 37.0 | | 9.4 | | 25.5 | 14.0 | | 9.5 | | 6.4 | 6.9 | | 6.9 | | 39.4 | 31.0 | G |
| 8.7 | | 46.8 | 17.9 | | 9.2 | | 53.1 | 47.4 | | 9.0 | | 29.6 | 9.7 | | 9.1 | | 8.0 | 22.7 | | 8.7 | | 40.5 | 37.7 | |
| 9.5 | 24 | 23.5 | 54.2 | | 9.3 | | 54.5 | 15.3 | | 9.5 | | 45.3 | 26.0 | | 8.3 | | 22.4 | 49.9 | K | 8.6 | | 47.0 | 57.5 | |
| 9.5 | | 31.8 | 27.7 | | 9.1 | | 56.0 | 22.8 | K | 9.5 | 47 | 9.0 | 21.0 | | 9.5 | | 43.8 | 25.7 | | 8.2 | | 49.0 | 10.6 | *B* |
| 9.5 | | 45.6 | 16.4 | | 9.4 | 35 | 1.4 | 32.7 | | 9.5 | | 21.7 | 59.4 | | 8.4 | | 47.4 | 45.2 | | 8.0 | | 55.9 | 8.4 | *B* |
| 9.0 | | 47.5 | 5.3 | | 9.4 | | 15.0 | 36.2 | | 8.2 | | 22.9 | 56.4 | | 9.4 | | 55.4 | 59.5 | | 9.2 | 8 | 8.4 | 38.0 | |
| 8.9 | | 54.0 | 7.5 | | 9.2 | | 33.3 | 42.6 | | 9.5 | | 24.4 | 57.6 | | 8.0 | 58 | 0.5 | 13.3 | K | 9.4 | | 14.3 | 6.4 | |
| 9.3 | | 58.0 | 35.0 | | 9.5 | | 49.1 | 54.9 | | 9.5 | | 26.8 | 0.5 | | 8.7 | | 2.3 | 45.2 | | 9.0 | | 33.4 | 12.8 | |
| 8.3 | 25 | 0.2 | 32.8 | B | 8.3 | | 59.0 | 10.2 | K | 9.4 | | 47.9 | 35.9 | | 9.3 | | 13.2 | 27.9 | | 8.2 | 9 | 1.4 | 49.8 | |
| 9.3 | | 0.5 | 40.5 | | 7.6 | 36 | 11.8 | 0.5 | K | 9.5 | | 51.3 | 52.6 | | 9.4 | | 14.4 | 32.0 | | 9.5 | | 2.1 | 57.6 | |
| 9.5 | | 0.5 | 25.5 | | 9.5 | | 39.4 | 15.4 | | 9.5 | | 59.8 | 35.7 | | 9.2 | | 16.4 | 58.7 | | 9.1 | | 10.0 | 35.3 | |
| 8.7 | | 3.3 | 45.0 | K | 9.5 | | 43.7 | 51.5 | | 9.1 | 48 | 11.0 | 48.8 | K | 9.5 | | 45.4 | 8.0 | | 9.0 | | 14.3 | 37.5 | |
| 9.5 | | 14.4 | 8.3 | | 9.2 | | 46.8 | 34.0 | | 9.2 | | 16.5 | 53.2 | | 9.1 | 59 | 7.9 | 16.1 | B | 9.5 | | 26.8 | 13.5 | |
| 9.5 | | 22.0 | 8.8 | | 9.5 | 37 | 30.7 | 30.0 | | 9.2 | | 17.7 | 48.0 | K | 8.8 | | 16.3 | 42.6 | K | 8.1 | | 29.4 | 52.5 | Kb |
| 9.2 | | 28.7 | 54.1 | | 9.4 | | 40.0 | 41.0 | | 9.5 | | 33.0 | 7.2 | | 9.2 | | 17.4 | 8.0 | | 9.5 | | 47.3 | 28.2 | |
| 9.5 | | 43.0 | 2.8 | | 9.3 | 38 | 3.1 | 40.1 | | 8.0 | | 41.9 | 41.1 | K | 8.9 | | 19.4 | 8.7 | | 9.5 | | 52.1 | 30.0 | |
| 9.4 | | 46.5 | 54.5 | | 9.2 | | 5.3 | 10.5 | | 9.5 | | 47.5 | 45.2 | | 9.5 | | 26.8 | 33.9 | | 9.3 | | 52.4 | 12.8 | |
| 9.5 | | 58.7 | 30.6 | | 9.5 | | 6.0 | 53.0 | | 9.4 | | 51.8 | 51.7 | | 8.0 | | 32.6 | 11.4 | *B* | 9.5 | 10 | 9.3 | 57.1 | |
| 9.4 | 26 | 15.8 | 19.6 | | 9.4 | | 35.7 | 25.4 | | 9.2 | 49 | 1.1 | 45.9 | | 9.4 | | 38.2 | 27.3 | | 9.1 | | 15.5 | 48.6 | K |
| 9.5 | | 18.3 | 35.7 | | 8.4 | | 40.8 | 51.5 | K | 9.1 | | 7.4 | 41.8 | K | 9.5 | 0 | 17.4 | 2.4 | | 8.2 | | 43.4 | 24.2 | *B* |
| 9.5 | | 35.5 | 31.9 | | 6.5 | | 47.0 | 28.7 | B | 9.4 | | 21.8 | 58.1 | | 9.1 | | 40.6 | 43.1 | | 9.5 | | 46.3 | 33.6 | |
| 9.5 | | 40.5 | 30.4 | | 8.8 | 39 | 5.0 | 3.4 | | 9.3 | | 26.9 | 9.4 | | 8.9 | | 54.4 | 6.8 | K | 9.5 | 11 | 15.4 | 31.3 | |
| 9.0 | | 42.0 | 44.2 | | 4.7 | | 8.1 | 7.6 | Gb | 8.7 | | 54.9 | 39.5 | K | 9.5 | 1 | 1.8 | 15.9 | | 9.4 | | 20.0 | 0.7 | |
| 9.2 | | 47.4 | 24.4 | | 9.5 | | 39.0 | 33.5 | | 9.1 | 50 | 12.4 | 5.9 | B | 9.5 | | 30.2 | 23.5 | | 9.4 | | 32.7 | 28.6 | |
| 9.3 | | 48.0 | 51.1 | | 8.7 | | 42.3 | 27.0 | | 7.3 | | 13.9 | 51.5 | K | 9.3 | | 30.9 | 51.8 | | 9.0 | | 45.5 | 11.6 | |
| *10 pr.* | | + | + | | *10 pr.* | | + | + | | *10 pr.* | | + | + | | *10 pr.* | | + | + | | *10 pr.* | | + | — | |
| | | *41.60* | *0.54* | | | | *41.67* | *0.38* | | | | *41.72* | *0.21* | | | | *41.74* | *0.06* | | | | *41.73* | *0.11* | |

| 1601—1660 | | | | | 1661—1720 | | | | | 1721—1780 | | | | | 1781—1840 | | | | | 1841—1900 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ᵐ | | +39° | | | 6ᵐ | | +39° | | | 6ᵐ | | +39° | | | 6ᵐ | | +39° | | | 6ᵐ—7ᵐ | | +39° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 12 | 2.0 | 8.8 | | 7.2 | 22 | 54.7 | 52.8 | L | 9.1 | 33 | 45.3 | 49.8 | | 9.5 | 44 | 50.5 | 45.0 | | 9.0 | 55 | 0.5 | 20.0 | |
| 9.2 | | 33.4 | 7.3 | | 9.4 | 23 | 14.0 | 35.2 | | 9.2 | | 54.3 | 46.1 | | 9.5 | | 51.5 | 52.7 | | 8.9 | | 5.8 | 13.1 | |
| 9.4 | 13 | 0.6 | 20.4 | | 9.5 | | 29.1 | 16.7 | | 9.5 | | 59.4 | 29.6 | | 9.4 | 45 | 3.2 | 55.2 | | 9.5 | | 12.6 | 54.3 | |
| 9.5 | | 8.5 | 58.2 | | 7.0 | | 36.8 | 32.8 | G | 9.1 | 34 | 2.3 | 18.6 | R | 8.9 | | 6.2 | 8.3 | K | 9.5 | | 31.0 | 5.9 | |
| 9.5 | | 20.1 | 15.5 | | 9.4 | | 40.4 | 12.8 | | 9.5 | | 19.2 | 49.8 | | 9.5 | | 6.6 | 19.4 | | 9.5 | | 38.0 | 5.1 | |
| 9.5 | | 25.0 | 13.0 | | 9.3 | | 54.1 | 25.1 | | 9.3 | | 36.9 | 31.7 | | 9.4 | | 35.1 | 36.2 | | 8.6 | | 51.3 | 59.9 | |
| 9.1 | | 32.5 | 48.6 | | 9.5 | | 56.4 | 58.0 | | 9.5 | | 46.4 | 42.8 | | 9.5 | | 35.1 | 8.5 | | 9.0 | 56 | 7.2 | 33.9 | B |
| 8.3 | | 44.7 | 49.4 | | 9.5 | 24 | 7.0 | 26.9 | | 9.0 | | 58.0 | 57.7 | K | 7.7 | | 50.2 | 43.3 | R | 8.7 | | 16.2 | 27.8 | |
| 9.4 | | 55.4 | 13.9 | | 8.7 | | 25.9 | 34.1 | | 9.5 | 35 | 2.2 | 56.5 | B | 9.5 | 46 | 9.5 | 52.7 | | 9.1 | | 22.0 | 31.0 | |
| 9.3 | | 55.8 | 46.5 | | 9.3 | | 26.4 | 20.0 | | 8.3 | | 3.3 | 57.3 | K | 9.4 | | 24.2 | 22.9 | | 8.8 | | 24.5 | 2.3 | |
| 9.5 | 14 | 2.5 | 17.5 | | 9.5 | | 43.0 | 52.7 | | 7.0 | | 7.2 | 30.7 | K | 9.3 | | 26.4 | 55.0 | | 8.8 | | 27.1 | 58.6 | |
| 8.2 | | 3.1 | 10.6 | B | 9.0 | | 45.1 | 7.7 | | 9.1 | | 17.6 | 50.5 | | 9.3 | | 49.2 | 35.8 | | 9.5 | | 42.2 | 39.7 | |
| 9.2 | | 34.0 | 27.6 | | 8.8 | 25 | 1.4 | 9.8 | | 9.1 | | 27.3 | 49.7 | | 9.3 | 47 | 47.2 | 32.1 | | 9.5 | | 50.3 | 10.3 | |
| 9.1 | | 59.3 | 8.8 | K | 9.5 | | 28.9 | 52.5 | | 9.5 | | 48.7 | 14.9 | | 9.3 | | 49.0 | 45.1 | | 9.5 | 57 | 6.0 | 30.3 | |
| 9.0 | 15 | 1.5 | 28.6 | | 9.4 | | 32.0 | 7.5 | | 8.7 | | 54.3 | 26.1 | | 9.5 | | 50.3 | 54.5 | | 9.4 | | 38.7 | 16.2 | |
| 9.2 | | 4.4 | 30.3 | | 9.5 | 26 | 5.3 | 27.8 | | 7.0 | | 58.8 | 6.8 | K | 9.1 | 48 | 0.6 | 35.4 | B | 9.1 | | 57.2 | 12.2 | |
| 8.5 | | 30.4 | 42.2 | | 9.5 | | 5.8 | 55.0 | | 9.5 | 36 | 17.0 | 42.2 | | 9.5 | | 43.9 | 32.8 | | 8.2 | 58 | 6.2 | 51.7 | B |
| 9.4 | | 32.0 | 8.6 | | 9.3 | | 10.4 | 3.6 | Kb | 9.4 | | 20.2 | 29.9 | | 9.5 | | 45.8 | 21.0 | | 9.5 | | 7.0 | 22.4 | |
| 9.5 | | 41.4 | 10.1 | | 9.3 | | 48.9 | 3.0 | | 9.5 | | 37.1 | 42.7 | | 7.3 | | 49.2 | 43.0 | K | 9.3 | | 8.0 | 30.5 | |
| 9.3 | | 44.0 | 48.3 | B | 9.2 | 27 | 3.4 | 35.5 | | 9.4 | 37 | 9.1 | 43.8 | | 9.3 | | 49.7 | 18.5 | | 9.1 | | 13.2 | 6.1 | K |
| 9.3 | | 44.4 | 6.1 | B | 9.4 | | 4.4 | 41.6 | | 9.2 | | 13.2 | 5.0 | | 8.0 | | 54.2 | 57.8 | R | 9.4 | | 21.3 | 15.5 | |
| 9.3 | | 46.4 | 29.9 | | 9.0 | | 15.4 | 33.0 | K | 9.5 | | 14.0 | 10.5 | | 9.5 | | 57.3 | 2.0 | | 9.4 | | 22.2 | 27.3 | |
| 9.5 | | 50.1 | 33.9 | | 9.5 | | 19.0 | 3.6 | | 9.5 | | 16.9 | 47.0 | | 8.3 | 49 | 14.2 | 31.3 | K | 9.5 | | 39.0 | 25.8 | |
| 9.3 | 16 | 11.3 | 58.0 | | 8.9 | | 48.2 | 54.5 | | 9.5 | | 25.8 | 56.1 | | 9.5 | | 22.4 | 33.9 | B | 9.0 | | 40.2 | 33.1 | B |
| 9.2 | | 13.4 | 6.9 | K | 8.9 | | 56.4 | 31.5 | K | 9.5 | | 29.3 | 1.5 | | 9.5 | | 37.9 | 34.6 | | 9.3 | | 47.0 | 41.6 | |
| 9.3 | | 14 6 | 55.5 | | 9.5 | 28 | 5.0 | 35.5 | | 9.2 | | 54.2 | 6.1 | K | 8.9 | | 44.2 | 59.9 | | 9.5 | | 51.1 | 34.0 | |
| 9.0 | | 20.0 | 53.5 | | 9.4 | | 19.5 | 52.5 | | 9.2 | 38 | 10.2 | 58.7 | | 9.3 | | 47.6 | 13.0 | | 9.3 | | 52.5 | 54.2 | |
| 9.4 | | 26.7 | 35.2 | | 9.5 | | 24.9 | 2.1 | | 9.0 | | 18.0 | 15.7 | | 9.5 | 50 | 1.3 | 31.3 | | 9.1 | | 58.2 | 33.7 | |
| 7.2 | | 31.4 | 45.1 | K | 8.0 | | 32.4 | 14.4 | L | 9.5 | | 26.2 | 17.2 | | 9.5 | | 7.2 | 12.8 | | 9.2 | 59 | 0.2 | 32.1 | |
| 9.4 | | 34.5 | 37.7 | | 6.5 | | 36.4 | 31.0 | K | 9.1 | | 31.2 | 44.4 | | 9.5 | | 10.5 | 58.7 | | 9.5 | | 5.7 | 0.8 | |
| 9.5 | | 57.0 | 38.0 | | 9.2 | 29 | 2.5 | 3.8 | | 9.2 | | 31.7 | 42.2 | | 9.5 | | 21.2 | 35.7 | | 8.9 | | 12.7 | 38.3 | B |
| 7.8 | | 58.1 | 3.2 | K | 9.4 | | 9.3 | 50.2 | | 9.2 | 39 | 1.5 | 50.8 | | 9.4 | | 24.7 | 10.7 | | 9.5 | | 24.9 | 3.9 | |
| 8.9 | 17 | 21.0 | 21.2 | | 9.4 | | 48.4 | 23.0 | | 9.5 | | 23.9 | 52.8 | | 9.5 | | 30.7 | 34.7 | | 9.4 | | 27.8 | 52.1 | |
| 7.9 | | 36.3 | 55.2 | K | 9.0 | | 50.2 | 47.9 | | 7.3 | | 48.2 | 37.9 | K | 8.9 | | 32.2 | 54.9 | R | 9.2 | | 56.2 | 56.7 | |
| 7.6 | 18 | 29.3 | 11.7 | B | 9.4 | | 53.1 | 13.4 | | 8.0 | 40 | 6.2 | 52.5 | R | 9.3 | 51 | 5.1 | 42.8 | | 9.3 | | 56.6 | 34.6 | |
| 9.4 | | 38.4 | 25.4 | | 8.8 | 30 | 14.4 | 27.0 | | 7.6 | | 16.3 | 53.0 | L | 9.2 | | 7.1 | 39.3 | | 8.5 | 0 | 5.1 | 17.6 | Kb |
| 7.4 | | 44.4 | 3.2 | K | 9.3 | | 16.5 | 57.7 | | 9.4 | 41 | 0.2 | 0.6 | | 7.9 | | 12.2 | 22.4 | K | 9.5 | | 46.0 | 1.2 | |
| 9.5 | 19 | 3.8 | 13.1 | | 9.2 | | 28.1 | 30.8 | | 9.3 | | 4.2 | 47.4 | | 8.8 | | 16.7 | 3.1 | | 9.5 | | 49.3 | 42.5 | |
| 9.3 | | 5.4 | 42.7 | | 9.4 | | 42.8 | 54.4 | | 9.4 | | 17.0 | 38.2 | | 9.4 | | 29.2 | 59.9 | | 9.5 | | 52.3 | 58.6 | |
| 8.8 | | 6.1 | 33.0 | | 8.7 | 31 | 3.3 | 58.6 | B | 9.5 | | 32.5 | 42.6 | | 9.5 | | 31.7 | 55.9 | | 9.4 | 1 | 2.5 | 7.6 | |
| 7.4 | | 11.5 | 44.6 | L | 7.5 | | 6.8 | 22.0 | L | 9.0 | | 38.2 | 27.5 | K | 9.5 | 52 | 21.0 | 9.8 | | 8.5 | | 18.7 | 19.1 | |
| 9.4 | | 32.4 | 4.3 | | 9.2 | | 11.8 | 48.1 | | 9.2 | | 38.2 | 24.9 | B | 8.8 | | 21.3 | 22.5 | K | 5.4 | | 41.8 | 32.9 | K |
| 9.3 | | 39.5 | 9.2 | | 9.5 | | 18.1 | 57.8 | | 9.0 | | 50.2 | 34.7 | K | 9.4 | | 22.5 | 5.0 | | 8.8 | | 41.8 | 37.3 | K |
| 9.3 | | 58.3 | 38.0 | | 9.4 | | 43.8 | 49.7 | | 9.2 | | 54.1 | 22.1 | | 9.5 | | 29.4 | 9.3 | B | 9.0 | | 46.4 | 47.8 | |
| 8.3 | 20 | 2.4 | 3.1 | K | 8.9 | | 44.1 | 44.7 | | 8.5 | 42 | 0.2 | 59.1 | K | 9.5 | | 49.7 | 8.9 | | 9.4 | 2 | 9.5 | 11.2 | |
| 9.4 | | 26.4 | 27.1 | | 9.3 | | 52.9 | 56.1 | | 9.4 | | 7.0 | 52.5 | | 8.2 | 53 | 10.6 | 37.6 | K | 8.6 | | 19.5 | 50.2 | K |
| 8.6 | | 29.0 | 59.4 | | 9.5 | 32 | 2.3 | 22.3 | | 9.1 | | 15.0 | 53.8 | | 9.2 | | 25.7 | 22.3 | | 9.5 | | 34.8 | 12.0 | |
| 9.5 | | 30.7 | 42.2 | | 9.4 | | 14.6 | 24.5 | B | 8.8 | | 19.7 | 7.5 | | 8.8 | | 34.1 | 52.7 | | 9.4 | | 35.7 | 45.9 | |
| 7.0 | | 56.6 | 50.8 | K | 8.6 | | 15.2 | 47.7 | | 9.2 | | 42.5 | 33.0 | | 9.5 | | 35.0 | 1.5 | | 9.5 | | 57.5 | 45.9 | |
| 8.7 | 21 | 1.2 | 15.5 | | 9.4 | | 17.5 | 41.4 | | 9.2 | | 44.1 | 17.9 | | 9.5 | | 41.3 | 14.3 | | 9.5 | 3 | 20.7 | 38.2 | |
| 9.5 | | 17.0 | 52.3 | | 8.1 | | 26.3 | 9.9 | Kb | 6.3 | 43 | 3.4 | 2.3 | S | 9.5 | | 51.6 | 56.2 | | 9.1 | | 55.6 | 28.5 | K |
| 9.5 | | 31.0 | 25.4 | | 8.8 | | 31.8 | 46.2 | | 8.1 | | 38.2 | 56.9 | K | 8.8 | 54 | 4.2 | 42.0 | K | 9.5 | 4 | 19.0 | 12.9 | |
| 9.5 | | 48.6 | 32.8 | | 7.0 | | 34.6 | 1.8 | K | 9.0 | | 44.7 | 32.8 | | 9.4 | | 6.2 | 42.8 | B | 9.0 | | 21.1 | 23.6 | |
| 9.4 | | 49.4 | 9.8 | | 8.6 | | 53.4 | 25.1 | | 7.3 | | 53.3 | 20.5 | R | 9.1 | | 12.0 | 27.4 | | 9.5 | | 23.8 | 21.4 | |
| 8.9 | | 58.4 | 50.3 | | 9.4 | 33 | 6.8 | 29.1 | | 9.2 | 44 | 6.9 | 24.2 | | 9.1 | | 29.4 | 29.6 | B | 9.5 | | 29.7 | 27.7 | |
| 9.2 | 22 | 24.6 | 42.6 | | 9.0 | | 13.4 | 41.6 | | 8.9 | | 10.7 | 50.1 | | 9.1 | | 36.4 | 41.5 | | 9.4 | | 37.1 | 26.3 | |
| 9.5 | | 27.4 | 9.5 | | 9.5 | | 28.2 | 37.3 | | 9.0 | | 21.2 | 7.1 | K | 8.9 | | 41.2 | 11.1 | | 8.9 | | 38.1 | 53.8 | K |
| 9.5 | | 50.9 | 4.4 | | 9.4 | | 29.2 | 37.8 | | 9.5 | | 33.6 | 27.8 | | 9.5 | | 49.7 | 55.3 | | 8.9 | | 43.3 | 48.6 | K |
| 9.2 | | 50.9 | 9.4 | B | 9.1 | | 37.3 | 48.2 | | 9.4 | | 36.2 | 33.5 | | 9.2 | | 50.0 | 36.3 | | 9.5 | | 52.7 | 53.2 | |
| 8.6 | | 51.3 | 22.6 | | 8.8 | | 39.3 | 19.0 | K | 9.4 | | 43.1 | 17.9 | | 9.3 | | 51.3 | 28.6 | | 9.5 | 5 | 9.8 | 19.5 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 41.71 | 0.25 | | 10pr. | | 41.66 | 0.42 | | 10pr. | | 41.59 | 0.56 | | 10pr. | | 41.48 | 0.72 | | 10pr. | | 41.38 | 0.86 | |

| 1901—1960 | | | | | 1961—2020 | | | | | 2021—2080 | | | | | 2081—2140 | | | | | 2141—2200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ | | +39° | | | 7ᵘ | | +39° | | | 7ᵘ—8ᵘ | | +39° | | | 8ᵘ | | +39° | | | 8ᵘ | | +39° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 5 | 50.1 | 19.2 | | 9.0 | 22 | 31.0 | 58.0 | | 9.3 | 43 | 35.3 | 17.0 | | 9.5 | 7 | 19.9 | 53.8 | | 7.6 | 33 | 13.8 | 34.3 | K |
| 9.3 | 6 | 33.0 | 0.8 | | 8.5 | | 53.7 | 19.8 | K | 7.7 | | 36.6 | 50.3 | K | 7.6 | 8 | 18.7 | 14.7 | B | 9.5 | | 23.9 | 36.5 | |
| 9.2 | | 34.4 | 5.7 | Kb | 9.5 | | 54.8 | 59.7 | | 9.4 | | 43.8 | 24.3 | B | 8.4 | | 42.6 | 26.2 | K | 7.7 | | 46.1 | 19.4 | B |
| 9.3 | | 43.3 | 23.8 | | 9.3 | 23 | 12.9 | 1.9 | | 9.5 | | 45.7 | 10.5 | | 9.3 | | 48.8 | 25.8 | | 9.2 | | 47.0 | 21.6 | K |
| 9.3 | | 44.0 | 40.1 | | 9.4 | | 12.9 | 24.4 | | 9.2 | | 50.4 | 27.1 | | 8.8 | 9 | 38.4 | 30.1 | B | 9.3 | | 48.8 | 8.4 | B |
| 9.5 | 7 | 26.1 | 46.8 | | 9.0 | | 37.5 | 43.2 | K | 9.1 | 44 | 7.2 | 54.8 | K | 9.2 | 10 | 17.4 | 25.6 | | 9.2 | | 50.0 | 31.8 | |
| 9.4 | | 35.0 | 38.4 | | 9.0 | | 39.6 | 46.0 | K | 9.5 | | 36.8 | 38.7 | | 9.4 | | 35.3 | 8.8 | | 9.2 | 34 | 48.4 | 15.6 | |
| 6.6 | | 48.4 | 9.0 | G | 9.5 | | 48.9 | 40.8 | B | 9.3 | 45 | 17.7 | 29.8 | | 9.2 | | 59.3 | 8.0 | B | 9.3 | 36 | 5.7 | 48.9 | B |
| 9.5 | | 59.3 | 41.6 | | 9.3 | | 49.3 | 3.5 | | 9.4 | | 19.0 | 6.7 | B | 9.0 | 11 | 0.7 | 23.6 | | 9.5 | | 18.3 | 51.1 | |
| 9.5 | 8 | 1.5 | 20.8 | | 9.5 | | 49.8 | 17.5 | | 9.5 | | 21.5 | 17.4 | | 8.2 | | 39.2 | 19.9 | K | 9.5 | | 44.8 | 31.2 | |
| 9.5 | | 17.5 | 56.0 | | 8.5 | 24 | 12.2 | 0.3 | K | 7.0 | 46 | 8.6 | 40.4 | K | 9.5 | | 44.3 | 50.5 | B | 8.9 | | 48.3 | 7.3 | B |
| 9.2 | | 32.0 | 48.3 | | 9.1 | 25 | 3.3 | 14.5 | | 9.5 | 47 | 19.5 | 40.7 | | 9.5 | 12 | 37.5 | 30.5 | | 8.5 | 37 | 12.1 | 0.7 | B |
| 9.3 | | 36.9 | 19.5 | | 9.5 | 26 | 0.3 | 28.1 | | 9.5 | | 55.7 | 29.2 | | 9.4 | | 58.0 | 55.6 | | 9.5 | | 22.9 | 15.0 | |
| 9.2 | | 37.3 | 12.7 | | 9.3 | | 4.2 | 12.5 | K | 9.4 | 48 | 5.1 | 44.5 | B | 9.1 | 13 | 13.5 | 28.2 | | 9.0 | | 57.8 | 9.5 | |
| 9.5 | | 42.8 | 5.4 | | 9.5 | | 47.8 | 41.3 | | 9.2 | | 7.5 | 5.4 | K | 8.2 | 15 | 2.0 | 56.9 | Kb | 9.5 | 38 | 21.7 | 3.1 | |
| 9.3 | | 44.1 | 31.6 | | 9.2 | 27 | 15.2 | 12.5 | | 9.5 | | 16.4 | 49.6 | | 9.4 | | 7.2 | 13.3 | | 9.5 | | 32.9 | 14.0 | |
| 9.2 | | 44.3 | 12.1 | B | 9.2 | | 17.0 | 24.2 | | 9.1 | | 23.2 | 14.2 | K | 8.5 | | 35.4 | 42.7 | | 8.8 | | 47.0 | 8.0 | K |
| 9.3 | 9 | 7.2 | 3.6 | | 7.8 | | 35.5 | 11.2 | K | 9.5 | | 40.0 | 1.6 | | 9.3 | 16 | 7.4 | 0.2 | K | 9.2 | 40 | 30.0 | 47.6 | |
| 9.4 | 10 | 0.6 | 30.6 | | 7.3 | | 59.0 | 11.2 | K | 9.2 | | 40.6 | 7.6 | K | 8.8 | | 56.9 | 31.8 | K | 9.1 | | 35.5 | 46.4 | b |
| 9.5 | | 11.5 | 36.4 | | 9.1 | 28 | 27.5 | 49.6 | b | 9.0 | 49 | 6.9 | 48.9 | | 9.5 | 17 | 2.9 | 51.5 | | 8.0 | 41 | 26.2 | 0.1 | K |
| 9.5 | | 11.7 | 57.5 | | 9.5 | | 30.1 | 34.5 | | 9.1 | | 48.7 | 52.3 | | 8.3 | | 13.8 | 29.2 | K | 8.3 | 42 | 29.7 | 25.9 | |
| 9.5 | | 26.2 | 0.6 | | 9.5 | | 31.6 | 23.2 | | 9.2 | 50 | 19.1 | 1.1 | K | 9.5 | | 48.1 | 12.4 | | 9.5 | 43 | 4.9 | 40.5 | |
| 8.3 | 11 | 21.1 | 20.4 | K | 8.6 | 29 | 36.3 | 7.5 | K | 8.9 | 51 | 21.0 | 45.8 | | 9.3 | 18 | 44.5 | 44.4 | | 8.5 | | 22.1 | 56.4 | Kb |
| 9.4 | | 43.5 | 26.5 | | 9.4 | 30 | 21.1 | 38.7 | | 9.5 | | 24.0 | 16.5 | | 9.0 | | 47.9 | 21.0 | K | 7.0 | 44 | 46.8 | 48.0 | K |
| 9.1 | | 49.4 | 2.7 | K | 9.5 | | 39.0 | 11.2 | | 9.5 | | 51.4 | 16.5 | | 9.5 | 19 | 8.6 | 25.8 | | 9.5 | 45 | 6.7 | 21.0 | |
| 8.2 | 12 | 12.7 | 24.6 | K | 9.5 | | 44.4 | 55.8 | B | 8.7 | | 54.8 | 8.0 | K | 7.8 | | 40.7 | 21.9 | K | 9.4 | | 36.3 | 29.7 | |
| 7.3 | | 19.6 | 15.8 | G | 8.9 | | 59.2 | 59.6 | Kb | 9.3 | 52 | 48.5 | 57.1 | | 8.5 | 20 | 10.3 | 47.7 | K | 9.3 | | 42.4 | 33.8 | |
| 8.7 | | 53.3 | 14.2 | | 7.8 | 31 | 22.7 | 32.0 | | 8.2 | 54 | 20.1 | 1.4 | K | 9.5 | | 42.4 | 20.0 | | 9.1 | | 45.2 | 43.1 | |
| 9.5 | 13 | 21.9 | 21.5 | | 9.3 | 32 | 34.3 | 56.0 | | 9.1 | | 36.0 | 10.4 | K | 8.2 | | 49.5 | 51.7 | K | 9.5 | 46 | 7.3 | 7.7 | |
| 8.9 | | 49.8 | 0.8 | K | 9.5 | 33 | 14.0 | 8.3 | | 9.3 | | 42.8 | 47.3 | | 8.5 | | 56.8 | 4.1 | | 9.4 | | 11.3 | 58.6 | |
| 9.5 | | 55.4 | 3.2 | | 9.0 | | 19.0 | 36.7 | K | 9.4 | 55 | 13.9 | 48.1 | | 9.5 | 21 | 30.5 | 43.5 | | 9.0 | | 18.4 | 56.6 | |
| 8.2 | 14 | 14.9 | 24.8 | K | 9.2 | | 19.8 | 45.3 | K | 8.7 | | 15.5 | 8.0 | K | 9.5 | | 31.0 | 51.0 | | 9.4 | | 32.1 | 52.3 | |
| 9.5 | | 21.1 | 49.0 | | 9.4 | | 36.2 | 42.6 | | 9.5 | 56 | 17.3 | 52.3 | | 9.1 | | 53.3 | 56.3 | | 9.5 | | 35.0 | 12.6 | |
| 9.3 | 15 | 58.4 | 16.0 | | 9.5 | | 51.0 | 56.8 | | 9.4 | | 38.7 | 14.8 | | 9.5 | | 55.0 | 12.5 | | 7.8 | 47 | 2.7 | 22.3 | K |
| 9.2 | 16 | 3.9 | 40.0 | K | 9.3 | | 55.2 | 51.2 | | 9.5 | | 40.8 | 1.6 | | 9.5 | 22 | 1.9 | 51.0 | | 9.4 | | 12.0 | 16.0 | |
| 9.2 | | 4.3 | 33.0 | | 7.7 | 34 | 22.5 | 10.9 | K | 9.0 | | 50.2 | 25.5 | K | 8.5 | | 3.0 | 36.4 | K | 9.5 | 48 | 2.2 | 58.6 | |
| 9.4 | | 19.2 | 37.6 | | 9.2 | | 33.2 | 1.8 | K | 9.3 | 57 | 14.0 | 9.8 | B | 9.5 | 23 | 17.0 | 43.0 | | 9.5 | | 3.5 | 41.7 | |
| 9.3 | | 26.7 | 2.2 | B | 6.8 | 35 | 5.1 | 55.5 | K | 9.1 | | 54.8 | 22.0 | K | 9.1 | 24 | 11.0 | 43.4 | b | 9.5 | | 59.4 | 30.2 | |
| 9.4 | | 34.0 | 5.9 | | 9.5 | | 38.3 | 7.2 | | 9.5 | 58 | 39.8 | 12.9 | | 9.5 | | 12.4 | 22.9 | | 9.0 | 49 | 31.9 | 9.1 | |
| 9.5 | | 45.3 | 24.3 | | 9.1 | | 41.9 | 3.0 | K | 9.4 | 59 | 10.6 | 59.0 | | 9.5 | | 46.9 | 16.0 | | 9.5 | | 59.0 | 30.8 | |
| 9.5 | | 45.6 | 41.8 | | 7.4 | | 52.2 | 53.4 | K | 9.3 | | 22.5 | 19.1 | | 9.5 | 25 | 2.2 | 1.7 | | 9.0 | 50 | 43.0 | 21.6 | |
| 9.5 | 17 | 1.0 | 36.3 | | 9.5 | 36 | 46.1 | 27.6 | | 9.0 | 0 | 9.2 | 29.5 | K | 9.3 | | 7.1 | 58.5 | | 8.9 | 51 | 0.9 | 32.5 | |
| 9.5 | | 19.4 | 28.0 | | 9.5 | | 53.2 | 50.2 | | 9.3 | | 19.5 | 55.3 | | 9.5 | | 37.0 | 15.5 | | 9.0 | | 24.5 | 8.0 | |
| 8.8 | | 25.5 | 13.7 | K | 9.5 | 37 | 18.1 | 9.6 | | 9.5 | | 38.8 | 7.2 | | 9.5 | | 43.2 | 27.9 | | 9.3 | | 26.1 | 48.6 | |
| 7.0 | | 31.4 | 36.7 | K | 9.5 | | 43.2 | 52.6 | | 6.5 | 1 | 44.7 | 9.8 | Gb | 9.2 | 26 | 24.7 | 2.4 | | 9.5 | 52 | 34.8 | 42.5 | B |
| 9.4 | | 41.7 | 8.0 | | 9.1 | | 59.7 | 58.5 | K | 9.5 | 2 | 50.3 | 39.9 | | 9.5 | | 58.9 | 29.2 | | 9.1 | | 55.1 | 15.0 | |
| 9.5 | 18 | 0.9 | 35.9 | | 9.4 | 38 | 39.8 | 47.2 | B | 9.3 | | 51.5 | 31.9 | | 7.7 | 27 | 8.2 | 54.6 | K | 7.5 | 53 | 1.6 | 13.4 | K |
| 8.6 | | 1.2 | 30.0 | B | 9.5 | | 52.9 | 51.0 | | 7.5 | 3 | 13.1 | 54.1 | K | 9.2 | 28 | 5.4 | 29.5 | b | 9.3 | | 16.2 | 21.8 | B |
| 9.2 | | 8.6 | 25.3 | B | 8.7 | | 54.3 | 39.4 | K | 9.5 | | 40.1 | 34.3 | | 9.5 | 29 | 40.0 | 33.5 | | 8.8 | | 17.7 | 25.6 | K |
| 9.3 | | 35.1 | 21.7 | | 9.4 | | 59.7 | 32.0 | | 9.5 | | 49.5 | 32.2 | | 8.7 | 30 | 6.9 | 4.3 | K | 9.5 | | 54.3 | 58.8 | |
| 8.5 | 19 | 0.3 | 31.0 | | 9.0 | 39 | 39.4 | 44.9 | | 9.1 | | 58.6 | 14.7 | | 9.5 | | 16.1 | 1.4 | | 9.2 | 54 | 8.4 | 6.1 | |
| 9.0 | | 12.7 | 19.2 | | 9.2 | | 39.7 | 21.1 | K | 9.4 | 4 | 9.8 | 1.7 | | 9.5 | | 26.6 | 5.6 | | 9.5 | | 28.5 | 29.5 | |
| 9.0 | | 19.8 | 9.5 | K | 9.5 | | 54.5 | 49.7 | | 9.5 | | 13.5 | 10.5 | | 9.5 | | 34.5 | 10.0 | | 7.0 | | 30.5 | 17.9 | K |
| 9.5 | | 58.1 | 28.7 | | 9.5 | 40 | 9.8 | 55.1 | | 8.4 | | 19.2 | 27.0 | R | 9.3 | | 35.2 | 26.5 | | 8.8 | | 52.4 | 24.6 | K |
| 8.3 | 20 | 12.9 | 36.8 | K | 9.5 | | 15.7 | 44.8 | | 9.0 | | 20.7 | 55.7 | Kb | 9.5 | 31 | 3.0 | 20.9 | | 9.5 | 55 | 16.0 | 35.9 | B |
| 9.5 | | 27.0 | 0.1 | | 9.5 | 41 | 6.9 | 21.0 | | 9.4 | | 22.5 | 33.4 | | 9.2 | | 4.5 | 33.3 | | 8.9 | | 24.2 | 7.8 | L |
| 9.5 | 21 | 31.3 | 53.4 | | 8.4 | | 33.2 | 10.9 | K | 9.2 | | 50.1 | 47.7 | B | 8.8 | | 34.6 | 30.8 | K | 8.7 | | 36.3 | 4.8 | Kb |
| 7.0 | 22 | 5.4 | 11.0 | Kb | 7.4 | 42 | 51.8 | 54.0 | Kb | 9.5 | 5 | 11.1 | 1.7 | | 9.5 | 32 | 21.1 | 4.6 | | 9.0 | 56 | 36.8 | 20.6 | |
| 9.1 | | 13.9 | 28.0 | | 9.5 | 43 | 17.6 | 8.1 | | 9.5 | 6 | 19.5 | 9.6 | | 8.4 | | 21.4 | 39.7 | K | 8.0 | | 39.0 | 0.5 | K |
| 9.0 | | 21.6 | 28.4 | | 9.2 | | 21.9 | 19.6 | B | 8.8 | | 21.6 | 18.5 | | 8.8 | | 30.0 | 40.0 | K | 4.7 | 57 | 18.0 | 2.1 | Kb |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 41.11 | 1.06 | | 10pr. | | 40.84 | 1.32 | | 10pr. | | 40.39 | 1.60 | | 10pr. | | 39.71 | 1.93 | | 10pr. | | 38.96 | 2.22 | |

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ—9ᵘ | | +39° | | | 9ᵘ—10ᵘ | | +39° | | | 10ᵘ | | +39° | | | 10ᵘ—11ᵘ | | +39° | | | 11ᵘ—12ᵘ | | +39° | |
| m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | | m | ° | ′ ″ | ′ | |
| 9.4 | 57 | 29.8 | 0.2 | | 8.7 | 24 | 58.6 | 42.9 | K | 8.5 | 1 | 39.6 | 6.5 | K | 9.0 | 41 | 9.9 | 38.7 | b | 8.0 | 15 | 45.0 | 28.0 | K |
| 8.0 | | 42.9 | 16.3 | K | 9.3 | 25 | 5.7 | 4.8 | | 9.4 | | 53.0 | 14.9 | | 9.5 | 42 | 21.1 | 25.9 | | 8.5 | 19 | 7.3 | 22.7 | K |
| 8.9 | | 49.0 | 41.2 | | 9.1 | | 11.6 | 13.1 | | 9.5 | 2 | 21.5 | 14.8 | | 9.2 | | 37.6 | 4.4 | Kb | 9.5 | | 47.7 | 54.8 | |
| 9.1 | 58 | 1.4 | 55.3 | | 8.3 | | 13.1 | 46.0 | K | 9.3 | | 50.3 | 11.3 | | 9.4 | 43 | 51.4 | 2.7 | B | 9.4 | 20 | 2.0 | 21.8 | B |
| 9.1 | | 27.0 | 22.9 | | 9.3 | | 32.4 | 4.4 | B | 8.8 | 4 | 11.0 | 28.4 | *B* | 9.3 | 44 | 21.4 | 11.0 | | 9.5 | 21 | 54.0 | 18.9 | |
| 9.1 | | 27.8 | 14.9 | | 8.6 | 26 | 17.2 | 27.3 | | 8.5 | | 29.7 | 7.5 | K | 7.1 | | 21.7 | 5.5 | K | 9.5 | 22 | 27.5 | 22.3 | |
| 9.5 | | 53.6 | 24.9 | | 8.8 | 29 | 12.2 | 5.1 | | 9.4 | 6 | 38.3 | 31.3 | | 9.4 | | 21.9 | 58.7 | | 9.5 | | 55.0 | 29.3 | |
| 9.5 | 59 | 32.0 | 7.6 | | 9.4 | | 28.6 | 26.5 | | 9.5 | | 38.7 | 15.9 | | 9.4 | 45 | 37.3 | 57.2 | | 9.4 | 24 | 17.6 | 0.5 | |
| 9.3 | 0 | 20.5 | 43.5 | | 9.4 | | 56.3 | 28.0 | | 9.5 | | 44.3 | 46.2 | | 9.0 | 46 | 16.3 | 25.9 | | 9.2 | | 24.4 | 54.6 | *a* |
| 8.8 | | 31.5 | 16.6 | | 9.5 | 30 | 30.8 | 55.4 | | 9.5 | 7 | 25.0 | 10.8 | | 9.5 | 47 | 17.3 | 3.0 | | 7.8 | | 26.2 | 43.1 | K |
| 9.4 | | 52.3 | 18.6 | | 7.0 | 32 | 23.4 | 36.9 | K | 8.5 | 8 | 25.3 | 14.4 | K | 9.4 | | 58.8 | 17.9 | | 9.0 | | 43.0 | 52.8 | |
| 9.4 | 1 | 45.1 | 59.8 | B | 8.3 | 33 | 8.2 | 53.5 | K | 9.2 | | 25.5 | 47.5 | | 8.7 | 49 | 1.5 | 35.4 | | 7.8 | 25 | 4.4 | 40.1 | K |
| 9.5 | | 56.0 | 35.0 | | 9.2 | | 25.1 | 0.7 | K | 8.8 | | 28.8 | 52.0 | | 9.0 | 50 | 2.8 | 49.7 | K | 8.0 | | 25.7 | 40.1 | K |
| 9.0 | 2 | 24.8 | 47.0 | | 9.2 | | 27.7 | 4.1 | K | 9.5 | 9 | 27.7 | 3.6 | B | 8.6 | | 32.6 | 44.7 | K | 9.2 | 26 | 28.0 | 43.6 | |
| 9.4 | | 25.0 | 4.2 | | 8.5 | 35 | 22.7 | 5.7 | K | 8.8 | | 36.5 | 31.9 | K | 8.8 | | 50.1 | 2.0 | | 9.2 | 27 | 2.5 | 51.6 | |
| 8.8 | | 50.5 | 9.6 | K | 9.5 | | 46.6 | 23.1 | | 8.6 | | 37.0 | 35.8 | K | 9.5 | 51 | 7.8 | 22.9 | B | 9.5 | 28 | 46.0 | 16.4 | |
| 8.8 | 3 | 6.5 | 23.6 | | 9.0 | 38 | 33.1 | 46.6 | K | 7.8 | | 59.6 | 49.8 | S | 8.2 | 52 | 25.0 | 2.4 | K | 9.5 | | 53.5 | 2.9 | |
| 9.0 | 4 | 12.8 | 7.6 | | 9.2 | 40 | 33.2 | 49.3 | K | 9.5 | 12 | 42.5 | 18.8 | | 9.5 | | 26.0 | 15.0 | | 8.0 | 30 | 36.7 | 32.8 | K |
| 9.5 | | 17.0 | 41.0 | | 9.5 | 41 | 27.8 | 41.3 | | 8.1 | 13 | 29.7 | 12.9 | K | 9.4 | | 26.5 | 18.5 | | 8.3 | 31 | 1.3 | 27.2 | K |
| 9.5 | | 46.7 | 12.4 | | 8.8 | 42 | 45.5 | 6.4 | K | 9.0 | 14 | 6.0 | 50.2 | | 4.9 | | 43.0 | 59.1 | Kb | 7.0 | | 7.5 | 59.5 | K |
| 9.4 | | 52.2 | 19.5 | | 8.8 | | 48.7 | 36.8 | | 9.3 | | 45.7 | 9.4 | | 9.3 | 53 | 8.4 | 55.1 | | 9.4 | 32 | 41.9 | 15.9 | |
| 9.0 | 5 | 8.8 | 38.9 | B | 9.4 | 44 | 9.2 | 24.6 | B | 9.3 | 15 | 4.2 | 10.4 | | 9.5 | | 54.3 | 19.5 | | 9.5 | | 48.6 | 32.3 | |
| 7.0 | | 50.2 | 12.6 | K | 9.5 | | 9.3 | 17.1 | | 9.5 | | 29.5 | 25.3 | | 9.1 | 54 | 8.6 | 11.6 | K | 9.3 | | 53.8 | 10.7 | B |
| 9.3 | | 58.0 | 23.0 | B | 9.4 | | 32.6 | 21.6 | | 7.5 | | 32.3 | 46.2 | K | 9.5 | | 10.5 | 55.4 | | 9.2 | 35 | 15.0 | 56.3 | K |
| 9.3 | 7 | 31.3 | 5.6 | | 9.5 | | 41.4 | 19.8 | | 8.5 | | 33.8 | 48.7 | K | 9.5 | | 37.7 | 15.8 | | 7.8 | 36 | 39.1 | 49.1 | S |
| 7.5 | 8 | 31.7 | 49.4 | L | 9.5 | 45 | 1.5 | 54.0 | | 9.5 | 16 | 20.4 | 33.0 | | 9.4 | 55 | 4.3 | 36.8 | | 7.5 | | 41.5 | 18.1 | K |
| 9.0 | 9 | 8.6 | 3.1 | | 8.6 | | 31.2 | 34.8 | Kb | 8.5 | | 24.4 | 48.4 | K | 9.4 | | 17.2 | 9.5 | | 8.5 | 37 | 26.6 | 7.9 | L |
| 9.0 | | 12.2 | 26.0 | | 8.5 | | 50.7 | 48.7 | K | 9.0 | | 50.4 | 49.6 | K | 9.0 | | 27.1 | 2.0 | K | 9.4 | 39 | 33.4 | 39.2 | |
| 9.3 | | 36.7 | 53.5 | B | 9.2 | 46 | 11.8 | 55.3 | L | 9.4 | 18 | 36.7 | 1.5 | | 9.4 | | 43.1 | 50.0 | | 9.0 | 40 | 52.7 | 38.3 | |
| 9.5 | | 37.3 | 15.6 | | 9.1 | 47 | 26.8 | 26.3 | | 8.9 | 19 | 27.1 | 44.5 | *B* | 7.6 | | 46.5 | 44.6 | G | 8.9 | 41 | 28.4 | 26.8 | K |
| 8.5 | | 53.9 | 13.6 | K | 9.4 | | 55.6 | 58.2 | | 9.5 | | 39.8 | 39.7 | | 9.3 | 56 | 8.0 | 16.6 | | 7.8 | 42 | 37.9 | 36.2 | K |
| 9.1 | 10 | 7.0 | 18.6 | | 8.5 | | 57.5 | 40.8 | K | 9.3 | | 41.0 | 56.7 | | 9.5 | | 9.2 | 52.5 | | 9.5 | 43 | 16.4 | 42.6 | |
| 9.2 | | 48.8 | 46.0 | | 9.4 | 48 | 20.5 | 0.6 | | 9.5 | 20 | 21.8 | 41.6 | | 7.1 | | 12.7 | 38.4 | K | 9.2 | | 28.9 | 28.8 | K |
| 9.3 | 11 | 0.4 | 6.2 | | 9.5 | | 46.1 | 58.7 | | 9.4 | | 30.8 | 9.0 | | 6.2 | | 27.2 | 1.0 | Kb | 9.5 | | 55.5 | 11.8 | |
| 9.0 | 12 | 15.2 | 52.1 | B | 8.1 | 49 | 19.7 | 37.8 | K | 8.6 | 21 | 11.3 | 22.4 | K | 9.1 | | 27.2 | 16.9 | | 9.2 | 44 | 52.8 | 52.3 | |
| 9.3 | | 23.0 | 46.1 | | 9.5 | | 21.3 | 58.3 | | 9.3 | | 17.5 | 1.8 | | 9.2 | | 34.7 | 30.8 | B | 9.5 | 46 | 47.4 | 31.3 | B |
| 8.3 | 14 | 21.3 | 45.9 | K | 9.4 | | 47.8 | 40.5 | | 6.2 | | 39.3 | 39.8 | Kb | 8.7 | | 37.3 | 44.8 | | 9.4 | 47 | 34.3 | 7.4 | |
| 9.2 | | 40.8 | 4.1 | Kb | 8.7 | | 52.8 | 35.3 | K | 9.5 | | 52.0 | 1.8 | | 7.4 | | 40.0 | 2.3 | K | 6.5 | | 50.4 | 34.2 | K |
| 8.9 | 15 | 9.1 | 21.0 | K | 9.0 | 50 | 56.3 | 17.5 | K | 7.9 | 22 | 35.0 | 45.3 | K | 7.5 | | 53.0 | 11.6 | L | 9.4 | 48 | 16.4 | 53.9 | |
| 9.3 | | 20.1 | 28.0 | B | 9.0 | | 57.5 | 30.8 | | 9.0 | 23 | 6.5 | 44.8 | | 9.5 | 57 | 20.1 | 42.1 | | 9.0 | 49 | 51.2 | 35.8 | |
| 9.2 | 16 | 0.6 | 22.5 | | 8.8 | 53 | 17.4 | 54.0 | K | 8.7 | | 23.0 | 5.5 | K | 8.5 | | 31.8 | 2.3 | K | 8.9 | 52 | 38.4 | 38.8 | K |
| 9.3 | | 33.7 | 14.1 | B | 8.6 | 54 | 1.1 | 43.9 | K | 9.2 | 24 | 35.1 | 37.3 | | 6.8 | | 45.2 | 10.6 | K | 9.4 | 53 | 8.4 | 43.1 | |
| 8.4 | | 38.3 | 57.8 | L | 8.0 | | 8.6 | 57.6 | Kb | 7.4 | | 42.0 | 57.7 | Kb | 8.6 | 59 | 26.3 | 44.3 | K | 9.5 | | 49.6 | 50.9 | |
| 8.9 | | 52.9 | 36.4 | K | 7.7 | | 14.5 | 19.4 | L | 9.2 | 25 | 47.3 | 15.4 | B | 8.2 | 0 | 14.0 | 12.1 | L | 9.3 | | 56.9 | 8.9 | |
| 9.3 | 17 | 31.4 | 43.4 | | 7.7 | | 17.2 | 59.7 | K | 9.1 | 26 | 45.5 | 16.9 | | 9.1 | | 45.7 | 5.6 | | 9.3 | 54 | 21.9 | 49.2 | |
| 8.9 | | 34.1 | 32.9 | K | 9.2 | | 56.0 | 41.9 | | 7.6 | 27 | 27.8 | 16.4 | K | 9.4 | 2 | 17.3 | 25.5 | | 9.4 | | 43.9 | 51.5 | B |
| 9.4 | 18 | 20.9 | 11.9 | B | 9.5 | 55 | 5.2 | 22.9 | | 9.5 | 29 | 30.4 | 36.4 | | 9.5 | | 19.9 | 36.0 | | 9.5 | | 51.0 | 34.5 | |
| 9.5 | | 55.8 | 36.6 | | 8.8 | | 7.0 | 14.4 | | 8.3 | | 30.6 | 30.7 | B | 9.3 | 4 | 39.7 | 55.8 | | 9.1 | 56 | 33.3 | 0.4 | L |
| 9.5 | | 59.5 | 51.6 | B | 9.0 | | 59.6 | 22.5 | | 9.3 | 30 | 34.7 | 48.8 | | 9.5 | | 40.4 | 18.0 | | 8.9 | 57 | 12.1 | 27.8 | K |
| 8.5 | 19 | 45.2 | 16.1 | K | 9.5 | 56 | 26.5 | 20.4 | | 7.8 | 31 | 51.5 | 8.5 | S | 9.0 | 7 | 45.3 | 35.5 | | 9.4 | | 27.6 | 30.3 | |
| 9.1 | 20 | 18.9 | 43.4 | | 9.3 | 57 | 1.8 | 11.0 | | 9.5 | 32 | 0.5 | 59.1 | | 9.3 | 9 | 17.4 | 37.5 | *B* | 8.1 | | 47.7 | 38.8 | K |
| 8.3 | 21 | 3.6 | 33.0 | K | 9.5 | | 11.8 | 45.2 | | 9.5 | 33 | 5.6 | 33.8 | | 8.8 | | 50.3 | 19.1 | | 7.8 | | 58.9 | 27.3 | K |
| 9.5 | | 30.4 | 10.6 | | 7.8 | 58 | 41.9 | 0.0 | K | 9.0 | 34 | 41.5 | 8.9 | | 9.0 | 12 | 20.0 | 25.0 | | 8.5 | 58 | 43.2 | 37.3 | K |
| 8.9 | | 31.6 | 37.5 | Kb | 8.0 | | 57.5 | 21.4 | K | 9.5 | 35 | 9.3 | 48.2 | | 9.0 | | 52.6 | 17.1 | | 9.5 | 59 | 43.3 | 13.8 | |
| 8.5 | 22 | 32.8 | 14.1 | K | 9.5 | 59 | 31.2 | 15.5 | | 8.5 | 36 | 11.1 | 7.4 | K | 9.4 | 13 | 5.8 | 54.3 | | 9.5 | 1 | 55.0 | 35.3 | |
| 9.3 | | 38.2 | 7.7 | B | 9.0 | | 35.8 | 27.4 | Kb | 8.3 | | 59.0 | 14.9 | | 8.6 | | 23.0 | 18.1 | | 7.0 | 2 | 7.3 | 25.8 | G |
| 9.5 | | 45.6 | 29.0 | | 9.1 | 0 | 18.7 | 12.4 | | 8.3 | 37 | 2.5 | 40.8 | K | 8.9 | 14 | 21.7 | 58.8 | | 9.3 | | 45.8 | 34.2 | B |
| 9.2 | 23 | 51.9 | 31.1 | B | 7.8 | | 39.3 | 8.4 | K | 9.3 | | 12.5 | 52.7 | | 8.5 | | 26.9 | 16.6 | L | 9.2 | | 54.0 | 2.3 | K |
| 9.2 | 24 | 25.8 | 55.4 | | 9.4 | | 43.8 | 52.1 | | 9.5 | | 48.1 | 6.0 | | 9.1 | | 29.8 | 24.5 | | 9.5 | 3 | 24.5 | 34.4 | B |
| 9.1 | | 43.5 | 25.9 | B | 9.3 | 1 | 3.5 | 31.8 | | 9.3 | 39 | 18.1 | 59.4 | B | 8.9 | | 57.8 | 20.0 | | 7.8 | | 47.7 | 55.4 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| *10pr.* | | *38.18* | *2.46* | | *10pr.* | | *36.73* | *2.80* | | *10pr.* | | *35.40* | *3.03* | | *10pr.* | | *33.76* | *3.21* | | *10pr.* | | *31.58* | *3.33* | |

| 2255a | | | | |
|---|---|---|---|---|
| 9.5 | 22 | 37.1 | 7.7 | B |

2501—2560

| | 12ᵘ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.0 | 3 59.6 | 59.3 | Kb |
| 9.3 | 4 5.4 | 51.7 | |
| 8.1 | 32.2 | 34.6 | B |
| 9.5 | 43.7 | 35.5 | B |
| 7.8 | 8 1.8 | 33.5 | K |
| 7.2 | 12.1 | 27.0 | K |
| 8.9 | 10 7.9 | 42.7 | |
| 8.3 | 9.7 | 27.3 | L |
| 9.5 | 11 47.5 | 35.7 | B |
| 9.4 | 12 30.1 | 11.4 | |
| 8.6 | 13 14.9 | 59.2 | B |
| 9.4 | 16.3 | 53.5 | |
| 9.3 | 21.3 | 7.5 | B |
| 9.4 | 52.5 | 54.2 | |
| 9.5 | 14 2.3 | 24.3 | |
| 9.4 | 15 12.8 | 31.4 | |
| 9.5 | 52.9 | 33.8 | |
| 9.5 | 57.4 | 2.0 | |
| 7.5 | 17 44.3 | 7.5 | K |
| 7.8 | 18 18.1 | 9.0 | K |
| 5.4 | 42.0 | 49.6 | K |
| 9.0 | 48.4 | 25.3 | |
| 9.1 | 55.4 | 11.1 | B |
| 8.6 | 59.8 | 46.7 | B |
| 9.2 | 21 30.4 | 38.7 | Kb |
| 9.5 | 22 55.6 | 46.3 | |
| 9.5 | 23 47.6 | 33.8 | |
| 9.1 | 58.1 | 56.2 | B |
| 8.9 | 24 0.1 | 23.9 | |
| 8.5 | 2.9 | 34.3 | |
| 9.2 | 56.5 | 14.4 | K |
| 9.3 | 26 7.6 | 33.8 | |
| 8.7 | 21.7 | 57.9 | |
| 9.0 | 29.2 | 25.0 | K |
| 9.0 | 30.4 | 25.5 | K |
| 8.5 | 35.1 | 40.8 | |
| 9.5 | 27 8.8 | 9.5 | |
| 9.3 | 25.6 | 39.3 | |
| 9.0 | 28 55.3 | 28.9 | |
| 7.3 | 30 35.9 | 28.3 | L |
| 9.0 | 31 9.4 | 28.8 | |
| 9.3 | 39.8 | 45.2 | |
| 9.5 | 33 58.7 | 40.9 | |
| 7.4 | 34 23.5 | 11.4 | K |
| 9.1 | 50.5 | 28.5 | b |
| 9.3 | 59.7 | 29.0 | |
| 9.5 | 35 11.0 | 44.5 | |
| 9.3 | 31.4 | 57.9 | |
| 9.3 | 36.8 | 53.3 | |
| 9.3 | 56.9 | 22.5 | |
| 9.0 | 36 3.4 | 38.3 | |
| 9.5 | 46.3 | 48.3 | |
| 9.5 | 37 1.0 | 16.5 | |
| 8.6 | 23.8 | 13.9 | K |
| 9.4 | 37.3 | 23.5 | |
| 9.5 | 38 8.1 | 28.6 | |
| 9.3 | 15.5 | 34.3 | |
| 7.8 | 42.9 | 9.5 | L |
| 9.5 | 39 5.7 | 54.7 | B |
| 9.5 | 40 2.8 | 15.5 | |

| 10pr | + 29.54 | — 3.32 |
|---|---|---|

2561—2620

| | 12ᵘ—13ᵘ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 40 33.4 | 12.0 | |
| 8.8 | 37.3 | 42.3 | |
| 9.5 | 41 46.4 | 22.4 | |
| 9.4 | 53.5 | 2.9 | |
| 9.3 | 42 20.7 | 4.9 | B |
| 9.2 | 25.3 | 51.3 | K |
| 9.5 | 44.8 | 54.4 | |
| 7.5 | 49.8 | 9.5 | K |
| 8.5 | 43 10.3 | 29.6 | B |
| 8.8 | 26.9 | 35.4 | |
| 9.3 | 44 46.8 | 9.6 | B |
| 9.3 | 45 6.7 | 20.0 | |
| 9.0 | 52.1 | 28.4 | K |
| 9.5 | 46 26.9 | 28.5 | |
| 9.3 | 28.6 | 0.5 | |
| 9.4 | 51.6 | 10.6 | |
| 9.2 | 47 14.8 | 51.7 | B |
| 9.2 | 20.5 | 4.5 | |
| 9.1 | 48.0 | 26.9 | K |
| 3.0 | 49 14.3 | 6.1 | B |
| 9.3 | 20.8 | 49.3 | |
| 9.5 | 31.6 | 54.4 | |
| 9.0 | 50 16.9 | 43.3 | K |
| 8.8 | 51 2.9 | 10.0 | K |
| 8.8 | 42.7 | 11.9 | B |
| 8.5 | 44.7 | 3.8 | B |
| 9.0 | 48.7 | 4.0 | K |
| 9.5 | 52 5.2 | 49.2 | B |
| 8.0 | 54 2.1 | 43.8 | K |
| 8.1 | 10.1 | 34.3 | K |
| 9.0 | 22.6 | 39.3 | |
| 7.7 | 55 36.6 | 36.2 | L |
| 7.7 | 38.0 | 39.5 | K |
| 9.5 | 56 8.2 | 36.9 | B |
| 9.5 | 25.0 | 41.9 | |
| 9.2 | 57 16.9 | 37.2 | B |
| 8.5 | 32.9 | 14.0 | |
| 9.2 | 58 58.9 | 42.4 | |
| 8.0 | 59 13.8 | 10.6 | K |
| 9.3 | 32.4 | 30.0 | |
| 9.0 | 37.3 | 19.4 | |
| 8.6 | 0 3.3 | 45.9 | B |
| 9.5 | 18.6 | 37.2 | |
| 9.5 | 49.7 | 30.9 | |
| 8.9 | 1 1.3 | 55.7 | K |
| 8.6 | 8.9 | 55.0 | K |
| 7.5 | 32.9 | 33.3 | S |
| 9.0 | 2 21.5 | 16.9 | |
| 8.8 | 30.7 | 7.4 | K |
| 8.9 | 56.0 | 40.8 | |
| 6.3 | 3 0.2 | 18.9 | K |
| 8.3 | 19.7 | 50.7 | |
| 7.0 | 21.3 | 29.9 | G |
| 6.2 | 23.0 | 16.4 | K |
| 9.4 | 48.2 | 50.3 | B |
| 8.8 | 4 54.4 | 44.3 | |
| 8.6 | 5 26.7 | 39.3 | K |
| 9.5 | 43.5 | 30.3 | B |
| 9.0 | 51.7 | 6.4 | K |
| 6.8 | 6 23.1 | 4.3 | K |

| 10pr | + 28.14 | — 3.25 |
|---|---|---|

2621—2680

| | 13ᵘ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 7 49.3 | 34.3 | |
| 9.5 | 9 30.0 | 6.0 | |
| 9.3 | 54.4 | 40.3 | B |
| 8.2 | 10 5.0 | 13.8 | K |
| 9.5 | 45.3 | 21.0 | B |
| 9.3 | 11 15.8 | 9.0 | |
| 9.2 | 23.1 | 25.4 | |
| 9.0 | 13 12.5 | 22.5 | |
| 8.9 | 15.3 | 40.3 | |
| 8.9 | 17.6 | 57.0 | |
| 7.5 | 22.5 | 9.0 | L |
| 8.6 | 56.3 | 26.1 | B |
| 9.3 | 14 2.2 | 2.2 | |
| 8.8 | 31.7 | 38.0 | K |
| 6.9 | 15 1.7 | 39.0 | K |
| 9.5 | 25.0 | 44.5 | |
| 8.7 | 57.3 | 31.3 | B |
| 9.4 | 16 7.9 | 32.1 | |
| 8.3 | 24.2 | 8.2 | K |
| 8.6 | 41.0 | 27.6 | K |
| 8.5 | 17 2.4 | 29.5 | K |
| 9.0 | 13.0 | 17.2 | |
| 9.1 | 18 40.2 | 41.0 | Kb |
| 9.3 | 42.2 | 46.5 | |
| 9.0 | 19 25.0 | 16.6 | |
| 8.5 | 20 46.9 | 15.2 | |
| 8.6 | 56.7 | 54.5 | |
| 9.1 | 21 29.3 | 50.5 | b |
| 9.1 | 45.6 | 5.3 | |
| 9.5 | 22 46.8 | 32.7 | |
| 9.4 | 23 13.2 | 3.8 | |
| 9 5 | 24 1.9 | 25.1 | |
| 9.5 | 22.8 | 58.0 | |
| 9.4 | 25 40.7 | 38.6 | |
| 9.3 | 45.6 | 5.6 | Bb |
| 9.5 | 47.5 | 11.8 | |
| 9.4 | 27 30.6 | 35.6 | |
| 6.2 | 58.0 | 32.6 | K |
| 9.0 | 28 42.2 | 3.0 | B |
| 9.5 | 29 13.3 | 10.8 | |
| 9.5 | 52.0 | 43.3 | B |
| 9.0 | 31 38.7 | 55.2 | B |
| 7.2 | 43.5 | 55.4 | B |
| 9.4 | 54.6 | 35.6 | |
| 8.0 | 32 22.6 | 7.7 | K |
| 9.0 | 31.2 | 34.6 | Kb |
| 9.5 | 35.9 | 45 0 | |
| 9.0 | 33 13.2 | 15.2 | |
| 9.5 | 34 44.5 | 17.0 | B |
| 9.1 | 35 5.4 | 36.4 | B |
| 9.2 | 42.1 | 40.4 | |
| 8.2 | 57.3 | 40.7 | L |
| 8.4 | 36 4.6 | 33.1 | L |
| 9.5 | 39.5 | 55.6 | B |
| 8 7 | 37 2.9 | 58.8 | Kb |
| 8.4 | 38 4.4 | 32.1 | K |
| 9.4 | 28.6 | 8.8 | B |
| 6.0 | 40 2.6 | 13.7 | K |
| 8.5 | 39.0 | 15.5 | B |
| 5.5 | 45.4 | 17.7 | Kb |

| 10pr | + 26.82 | — 3.13 |
|---|---|---|

2681—2740

| | 13ᵘ—14ᵘ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.3 | 40 54.1 | 6.8 | B |
| 9.5 | 41 13.5 | 5.5 | |
| 8.5 | 29.3 | 36.1 | K |
| 9.4 | 37.3 | 41.2 | B |
| 9.0 | 42 4.2 | 54.8 | K |
| 8.8 | 8.6 | 14.2 | |
| 9.5 | 55.7 | 44.5 | B |
| 9.5 | 44 59.1 | 35.6 | a |
| 9.5 | 45 21.2 | 33.9 | B |
| 9.5 | 29.4 | 39.3 | |
| 8.5 | 58.9 | 32.3 | Bb |
| 9.5 | 46 9.1 | 34.3 | |
| 9.5 | 30.0 | 41.5 | |
| 8.6 | 52.7 | 1.7 | K |
| 8.8 | 47 50.2 | 26.7 | |
| 9.5 | 51.4 | 34.1 | |
| 9.3 | 48 45.7 | 50.0 | K |
| 9.5 | 49 56.3 | 5.3 | |
| 9.4 | 50 19.8 | 17.2 | |
| 9.5 | 46.3 | 10.8 | |
| 9.4 | 56.6 | 28.7 | |
| 9.1 | 51 1.3 | 7.8 | b |
| 9.4 | 32.1 | 19.2 | |
| 9.3 | 59.2 | 17.7 | |
| 8.9 | 52 15.6 | 7.3 | |
| 8.8 | 27.2 | 24.1 | |
| 9.4 | 53 42.6 | 17.2 | |
| 6.5 | 54 15.6 | 44.0 | K |
| 8.7 | 24.2 | 51.8 | K |
| 9.4 | 40.7 | 13.2 | |
| 8.5 | 49.3 | 55.4 | K |
| 9.4 | 55 22.4 | 43.9 | B |
| 9.4 | 43.7 | 37.1 | |
| 9.0 | 57 53.2 | 37.6 | Kb |
| 9.4 | 58 10.3 | 56.0 | |
| 9.3 | 27.1 | 54.5 | B |
| 9.4 | 59 8.8 | 37.8 | |
| 9.3 | 9.4 | 24.2 | |
| 9.1 | 52.1 | 29.8 | B |
| 7.0 | 0 21.7 | 6.7 | K |
| 9.5 | 43.6 | 57.8 | B |
| 9.5 | 1 33.8 | 8 3 | B |
| 9.2 | 58.9 | 56.0 | |
| 8.6 | 2 0.1 | 28.2 | Kb |
| 9.0 | 3.9 | 57.6 | B |
| 9.0 | 17.7 | 1.8 | |
| 8.1 | 3 25.9 | 22.8 | B |
| 9.4 | 4 26.9 | 25.0 | B |
| 9.5 | 39.1 | 45.6 | |
| 8.3 | 58.5 | 16.7 | B |
| 7.8 | 5 55.4 | 31.6 | K |
| 9.5 | 6 20.3 | 3.8 | |
| 9.5 | 58.9 | 48.9 | B |
| 9.4 | 7 17.6 | 32.7 | |
| 9.0 | 47.6 | 26.1 | |
| 8.5 | 53.7 | 29.7 | L |
| 8.2 | 8 5.4 | 47.1 | G |
| 9.1 | 29.2 | 6.7 | K |
| 7.4 | 35.5 | 57.5 | Kb |
| 9.3 | 9 29.6 | 24.7 | |

| 10pr | + 25.43 | — 2.93 |
|---|---|---|

2741—2800

| | 14ᵘ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.4 | 9 45.7 | 48.6 | |
| 9.4 | 11 32.6 | 14.2 | |
| 9.4 | 44.4 | 55.7 | |
| 7.5 | 12 12.6 | 39.6 | K |
| 9.3 | 15.8 | 45.6 | B |
| 9.1 | 53.4 | 52.5 | |
| 9.2 | 54.7 | 20.7 | |
| 9.3 | 56.3 | 32.6 | |
| 6.8 | 58.4 | 25.2 | K |
| 6.0 | 13 51.1 | 28.8 | Kb |
| 8.9 | 14 1.7 | 4.6 | K |
| 9.5 | 5.2 | 51.1 | |
| 9.1 | 15 9.5 | 21.8 | |
| 7.8 | 11.0 | 38.2 | K |
| 9.5 | 29.0 | 48.1 | |
| 9.3 | 16 19.5 | 35.2 | B |
| 9.3 | 25.8 | 38.8 | |
| 8.1 | 45.4 | 8.6 | B |
| 8.8 | 17 6.5 | 38.2 | |
| 7.3 | 38.5 | 59.8 | Kb |
| 9.3 | 18 23.5 | 47.2 | K |
| 8.6 | 24.5 | 5 4 | K |
| 9.5 | 19 8.0 | 22.6 | |
| 6.3 | 34.2 | 2.4 | K |
| 8.8 | 20 59.1 | 46.2 | K |
| 9.5 | 21 28.0 | 9.5 | |
| 9.5 | 47.9 | 31.1 | B |
| 8.8 | 22 9.0 | 19.3 | |
| 9.2 | 17 5 | 57.5 | K |
| 8.5 | 57.7 | 38.7 | K |
| 8.9 | 23 19.5 | 9.8 | |
| 9.4 | 43.4 | 51.3 | B |
| var | 53.6 | 30.4 | L |
| 8.8 | 24 33.0 | 10.3 | K |
| 9.5 | 55.2 | 34.2 | |
| 9.0 | 27 10.5 | 1.0 | K |
| 8.8 | 28 5.5 | 18.4 | K |
| 8.0 | 11.0 | 33.8 | K |
| 9.1 | 17.5 | 23.3 | |
| 9.3 | 52.5 | 9.5 | |
| 9.5 | 54.5 | 50.8 | |
| 9.3 | 30 28.3 | 54.6 | K |
| 9.5 | 31 18.0 | 1.0 | b |
| 8.8 | 45.5 | 40.7 | |
| 9.3 | 32 1 0 | 53.2 | K |
| 9.0 | 5.2 | 28.3 | |
| 9.5 | 29.8 | 54.0 | |
| 9.2 | 33.5 | 50.0 | B |
| 9.5 | 37.8 | 57.1 | |
| 9.2 | 33 3.4 | 40.8 | K |
| 9.5 | 35 25.5 | 31.3 | |
| 9.2 | 26.3 | 23.3 | b |
| 9.3 | 26.5 | 11.5 | |
| 8.8 | 36 51.6 | 19.8 | K |
| 9.5 | 38 26.4 | 6.0 | |
| 9.5 | 45.5 | 14.4 | |
| 8.6 | 39 19.0 | 36.8 | K |
| 9.3 | 54.6 | 46.5 | K |
| 9.5 | 40 40.5 | 59.9 | |
| 9.2 | 41 5.2 | 50.8 | Kb |

| 10pr | + 24.28 | — 2.71 |
|---|---|---|

| 2201—2260 | | | | | 2261—2320 | | | | | 2321—2380 | | | | | 2381—2440 | | | | | 2441—2500 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8ᵘ—9ᵘ | | +39° | | | 9ᵘ—10ᵘ | | +39° | | | 10ᵘ | | +39° | | | 10ᵘ—11ᵘ | | +39° | | | 11ᵘ—12ᵘ | | +39° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 57 | 29.8 | 0.2 | | 8.7 | 24 | 58.6 | 42.9 | K | 8.5 | 1 | 39.6 | 6.5 | K | 9.0 | 41 | 9.9 | 38.7 | b | 8.0 | 15 | 45.0 | 28.0 | K |
| 8.0 | | 42.9 | 16.3 | K | 9.3 | 25 | 5.7 | 4.8 | | 9.4 | | 53.0 | 14.9 | | 9.5 | 42 | 21.1 | 25.9 | | 8.5 | 19 | 7.3 | 22.7 | K |
| 8.9 | | 49.0 | 41.2 | | 9.1 | | 11.6 | 13.1 | | 9.5 | 2 | 21.5 | 14.8 | | 9.2 | | 37.6 | 4.4 | Kb | 9.5 | | 47.7 | 54.8 | |
| 9.1 | 58 | 1.4 | 55.3 | | 8.3 | | 13.1 | 46.0 | K | 9.3 | | 50.3 | 11.3 | | 9.4 | 43 | 51.4 | 2.7 | B | 9.4 | 20 | 2.0 | 21.8 | B |
| 9.1 | | 27.0 | 22.9 | | 9.3 | | 32.4 | 4.4 | B | 8.8 | 4 | 11.0 | 28.4 | B | 9.3 | 44 | 21.4 | 11.0 | | 9.5 | 21 | 54.0 | 18.9 | |
| 9.1 | | 27.8 | 14.9 | | 8.6 | 26 | 17.2 | 27.3 | | 8.5 | | 29.7 | 7.5 | K | 7.1 | | 21.7 | 5.5 | K | 9.5 | 22 | 27.5 | 22.3 | |
| 9.5 | | 53.6 | 24.9 | | 8.8 | 29 | 12.2 | 5.1 | | 9.4 | 6 | 38.3 | 31.3 | | 9.4 | | 21.9 | 58.7 | | 9.5 | | 55.0 | 29.3 | |
| 9.5 | 59 | 32.0 | 7.6 | | 9.4 | | 28.6 | 26.5 | | 9.5 | | 38.7 | 15.9 | | 9.4 | 45 | 37.3 | 57.2 | | 9.4 | 24 | 17.6 | 0.5 | |
| 9.3 | 0 | 20.5 | 43.5 | | 9.4 | | 56.3 | 28.0 | | 9.5 | | 44.3 | 46.2 | | 9.0 | 46 | 16.3 | 25.9 | | 9.2 | | 24.4 | 54.6 | a |
| 8.8 | | 31.5 | 16.6 | | 9.5 | 30 | 30.8 | 55.4 | | 9.5 | 7 | 25.0 | 10.8 | | 9.5 | 47 | 17.3 | 3.0 | | 7.8 | | 26.2 | 43.1 | K |
| 9.4 | | 52.3 | 18.6 | | 7.0 | 32 | 23.4 | 36.9 | K | 8.5 | 8 | 25.3 | 14.4 | K | 9.4 | | 58.8 | 17.9 | | 9.0 | | 43.0 | 52.8 | |
| 9.4 | 1 | 45.1 | 59.8 | B | 8.3 | 33 | 8.2 | 53.5 | K | 9.2 | | 25.5 | 47.5 | | 8.7 | 49 | 1.5 | 35.4 | | 7.8 | 25 | 4.4 | 40.1 | K |
| 9.5 | | 56.0 | 35.0 | | 9.2 | | 25.1 | 0.7 | K | 8.8 | | 28.8 | 52.0 | | 9.0 | 50 | 2.8 | 49.7 | K | 8.0 | | 25.7 | 40.1 | K |
| 9.0 | 2 | 24.8 | 47.0 | | 9.2 | | 27.7 | 4.1 | K | 9.5 | 9 | 27.7 | 3.6 | B | 8.6 | | 32.6 | 44.7 | K | 9.2 | 26 | 28.0 | 43.6 | |
| 9.4 | | 25.0 | 4.2 | | 8.5 | 35 | 22.7 | 5.7 | K | 8.8 | | 30.5 | 31.9 | K | 8.8 | | 50.1 | 2.0 | | 9.2 | 27 | 2.5 | 51.6 | |
| 8.8 | | 50.5 | 9.6 | K | 9.5 | | 46.6 | 23.1 | | 8.6 | | 37.0 | 35.8 | K | 9.5 | 51 | 7.8 | 22.9 | B | 9.5 | 28 | 46.0 | 16.4 | |
| 8.8 | 3 | 6.5 | 23.6 | | 9.0 | 38 | 33.1 | 46.6 | K | 7.8 | | 59.6 | 49.8 | S | 8.2 | 52 | 25.0 | 2.4 | K | 9.5 | | 53.5 | 2.9 | |
| 9.0 | 4 | 12.8 | 7.6 | | 9.2 | 40 | 33.2 | 49.3 | K | 9.6 | 12 | 42.5 | 18.8 | | 9.5 | | 26.0 | 15.0 | | 8.0 | 30 | 36.7 | 32.8 | K |
| 9.5 | | 17.0 | 41.0 | | 9.5 | 41 | 27.8 | 41.3 | | 8.1 | 13 | 29.7 | 12.9 | K | 9.4 | | 26.5 | 18.5 | | 8.3 | 31 | 1.3 | 27.2 | K |
| 9.5 | | 46.7 | 12.4 | | 8.8 | 42 | 45.5 | 6.4 | K | 9.0 | 14 | 6.0 | 50.2 | | 4.9 | | 43.0 | 59.1 | Kb | 7.0 | | 7.5 | 59.5 | K |
| 9.4 | | 52.2 | 19.5 | | 8.8 | | 48.7 | 36.8 | | 9.3 | | 45.7 | 9.4 | | 9.3 | 53 | 8.4 | 55.1 | | 9.4 | 32 | 41.9 | 15.9 | |
| 9.0 | 5 | 8.8 | 38.9 | B | 9.4 | 44 | 9.2 | 24.6 | B | 9.3 | 15 | 4.2 | 10.4 | | 9.5 | | 54.3 | 19.5 | | 9.5 | | 48.6 | 32.3 | |
| 7.0 | | 50.2 | 12.6 | K | 9.5 | | 9.3 | 17.1 | | 9.5 | | 29.5 | 25.3 | | 9.1 | 54 | 8.6 | 11.6 | K | 9.3 | | 53.8 | 10.7 | B |
| 9.3 | | 58.0 | 23.0 | B | 9.4 | | 32.6 | 21.6 | | 7.5 | | 32.3 | 46.2 | K | 9.5 | | 10.5 | 55.4 | | 9.2 | 35 | 15.0 | 56.3 | K |
| 9.3 | 7 | 31.3 | 5.6 | | 9.5 | | 41.4 | 19.8 | | 8.5 | | 33.8 | 48.7 | K | 9.5 | | 37.7 | 15.8 | | 7.8 | 36 | 39.1 | 49.1 | S |
| 7.5 | 8 | 31.7 | 49.4 | L | 9.5 | 45 | 1.5 | 54.0 | | 9.5 | 16 | 20.4 | 33.0 | | 9.4 | 55 | 4.3 | 36.8 | | 7.5 | | 41.5 | 18.1 | K |
| 9.0 | 9 | 8.6 | 3.1 | | 8.6 | | 31.2 | 34.8 | Kb | 8.5 | | 24.4 | 48.4 | K | 9.4 | | 17.2 | 9.5 | | 8.5 | 37 | 26.6 | 7.9 | L |
| 9.0 | | 12.2 | 26.0 | | 8.5 | | 50.7 | 48.7 | K | 9.0 | | 50.4 | 49.6 | K | 9.0 | | 27.1 | 2.0 | K | 9.4 | 39 | 33.4 | 39.2 | |
| 9.3 | | 36.7 | 53.5 | B | 9.2 | 46 | 11.8 | 55.3 | L | 9.4 | 18 | 36.7 | 1.5 | | 9.4 | | 43.1 | 50.0 | | 9.0 | 40 | 52.7 | 38.3 | |
| 9.5 | | 37.3 | 15.6 | | 9.1 | 47 | 26.8 | 26.3 | | 8.9 | 19 | 27.1 | 44.5 | B | 7.6 | | 46.5 | 44.6 | G | 8.9 | 41 | 28.4 | 26.8 | K |
| 8.5 | | 53.9 | 13.6 | K | 9.4 | | 55.6 | 58.2 | | 9.5 | | 39.8 | 39.7 | | 9.3 | 56 | 8.0 | 16.6 | | 7.8 | 42 | 37.9 | 36.2 | K |
| 9.1 | 10 | 7.0 | 18.6 | | 8.5 | | 57.5 | 40.8 | K | 9.3 | | 41.0 | 56.7 | | 9.5 | | 9.2 | 52.5 | | 9.5 | 43 | 16.4 | 42.6 | |
| 9.2 | | 48.8 | 46.0 | | 9.4 | 48 | 20.5 | 0.6 | | 9.5 | 20 | 21.8 | 41.6 | | 7.1 | | 12.7 | 38.4 | K | 9.2 | | 28.9 | 28.8 | K |
| 9.3 | 11 | 0.4 | 6.2 | | 9.5 | | 46.1 | 58.7 | | 9.4 | | 30.8 | 9.0 | | 6.2 | | 27.2 | 1.0 | Kb | 9.5 | | 55.5 | 11.8 | |
| 9.0 | 12 | 15.2 | 52.1 | B | 8.1 | 49 | 19.7 | 37.8 | K | 8.6 | 21 | 11.3 | 22.4 | K | 9.1 | | 27.2 | 16.9 | | 9.2 | 44 | 52.8 | 52.3 | |
| 9.3 | | 23.0 | 46.1 | | 9.5 | | 21.3 | 58.3 | | 9.3 | | 17.5 | 1.8 | | 9.2 | | 34.7 | 30.8 | B | 9.5 | 46 | 47.4 | 31.3 | B |
| 8.3 | 14 | 21.3 | 45.9 | K | 9.4 | | 47.8 | 40.5 | | 6.2 | | 39.3 | 39.8 | Kb | 8.7 | | 37.3 | 44.8 | | 9.4 | 47 | 34.3 | 7.4 | |
| 9.2 | | 40.8 | 4.1 | Kb | 8.7 | | 52.8 | 35.3 | K | 9.5 | | 52.0 | 1.8 | | 7.4 | | 40.0 | 2.3 | K | 6.5 | | 50.4 | 34.2 | K |
| 8.9 | 15 | 9.1 | 21.0 | K | 9.0 | 50 | 56.3 | 17.5 | K | 7.9 | 22 | 35.0 | 45.3 | K | 7.5 | | 53.0 | 11.6 | L | 9.4 | 48 | 16.4 | 53.9 | |
| 9.3 | | 20.1 | 28.0 | B | 9.0 | | 57.5 | 30.8 | | 9.0 | 23 | 6.5 | 44.8 | | 9.5 | 57 | 20.1 | 42.1 | | 9.0 | 49 | 51.2 | 35.8 | |
| 9.2 | 16 | 0.6 | 22.5 | | 8.8 | 53 | 17.4 | 54.0 | K | 8.7 | | 23.0 | 5.5 | K | 8.5 | | 31.8 | 2.3 | K | 8.9 | 52 | 38.4 | 38.8 | K |
| 9.3 | | 33.7 | 14.1 | B | 8.6 | 54 | 1.1 | 43.9 | K | 9.2 | 24 | 35.1 | 37.3 | | 6.8 | | 45.2 | 10.6 | K | 9.4 | 53 | 8.4 | 43.1 | |
| 8.4 | | 38.3 | 57.8 | L | 8.0 | | 8.6 | 57.6 | Kb | 7.4 | | 42.0 | 57.7 | Kb | 8.6 | 59 | 26.3 | 44.3 | K | 9.5 | | 49.6 | 50.9 | |
| 8.9 | | 52.9 | 36.4 | K | 7.7 | | 14.5 | 19.4 | L | 9.2 | 25 | 47.3 | 15.4 | B | 8.2 | 0 | 14.0 | 12.1 | L | 9.3 | | 56.9 | 8.9 | |
| 9.3 | 17 | 31.4 | 43.4 | | 7.7 | | 17.2 | 59.7 | K | 9.1 | 26 | 45.5 | 16.9 | | 9.1 | | 45.7 | 5.6 | | 9.3 | 54 | 21.9 | 49.2 | |
| 8.9 | | 34.1 | 32.9 | K | 9.2 | | 56.0 | 41.9 | | 7.6 | 27 | 27.8 | 16.4 | K | 9.4 | 2 | 17.3 | 25.5 | | 9.4 | | 43.9 | 51.5 | B |
| 9.4 | 18 | 20.9 | 11.9 | B | 9.5 | 55 | 5.2 | 22.9 | | 9.5 | 29 | 30.4 | 36.4 | | 9.5 | | 19.9 | 36.0 | | 9.5 | | 51.0 | 34.5 | |
| 9.5 | | 55.8 | 36.6 | | 8.8 | | 7.0 | 14.4 | | 8.3 | | 30.6 | 30.7 | B | 9.3 | 4 | 39.7 | 55.8 | | 9.1 | 56 | 33.3 | 0.4 | L |
| 9.5 | | 59.5 | 51.6 | B | 9.0 | | 59.6 | 22.5 | | 9.3 | 30 | 34.7 | 48.8 | | 9.5 | | 40.4 | 18.0 | | 8.9 | 57 | 12.1 | 27.8 | K |
| 8.5 | 19 | 45.2 | 16.1 | K | 9.5 | 56 | 26.5 | 20.4 | | 7.8 | 31 | 51.5 | 8.5 | S | 9.0 | 7 | 45.3 | 35.5 | | 9.4 | | 27.6 | 30.3 | |
| 9.1 | 20 | 18.9 | 43.4 | | 9.3 | 57 | 1.8 | 11.0 | | 9.5 | 32 | 0.5 | 59.1 | | 9.3 | 9 | 17.4 | 37.5 | B | 8.1 | | 47.7 | 38.8 | K |
| 8.3 | 21 | 3.6 | 33.0 | K | 9.5 | | 11.8 | 45.2 | | 9.5 | 33 | 5.6 | 33.8 | | 8.8 | | 50.3 | 19.1 | | 7.8 | | 58.9 | 27.3 | K |
| 9.5 | | 30.4 | 10.6 | | 7.8 | 58 | 41.9 | 0.0 | K | 9.0 | 34 | 41.5 | 8.9 | | 9.0 | 12 | 20.0 | 25.0 | | 8.5 | 58 | 43.2 | 37.3 | K |
| 8.9 | | 31.6 | 37.5 | Kb | 8.0 | | 57.5 | 21.4 | K | 9.5 | 35 | 9.3 | 48.2 | | 9.0 | | 52.6 | 17.1 | | 9.5 | 59 | 43.3 | 13.8 | |
| 8.5 | 22 | 32.8 | 14.1 | K | 9.5 | 59 | 31.2 | 15.5 | | 8.5 | 36 | 11.1 | 7.4 | K | 9.4 | 13 | 5.8 | 54.3 | | 9.5 | 1 | 55.0 | 35.3 | |
| 9.3 | | 38.2 | 7.7 | B | 9.0 | | 35.8 | 27.4 | Kb | 8.3 | | 59.0 | 14.9 | | 8.6 | | 23.0 | 18.1 | | 7.0 | 2 | 7.3 | 25.8 | G |
| 9.5 | | 45.6 | 29.0 | | 9.1 | 0 | 18.7 | 12.4 | | 8.3 | 37 | 2.5 | 40.8 | K | 8.9 | 14 | 21.7 | 58.8 | | 9.3 | | 45.8 | 34.2 | B |
| 9.2 | 23 | 51.9 | 31.1 | B | 7.8 | | 39.3 | 8.4 | K | 9.3 | | 12.5 | 52.7 | | 8.5 | | 26.9 | 16.6 | L | 9.2 | | 54.0 | 2.3 | K |
| 9.2 | 24 | 25.8 | 55.4 | | 9.4 | | 43.8 | 52.1 | | 9.5 | | 48.1 | 6.0 | | 9.1 | | 29.8 | 24.5 | | 9.5 | 3 | 24.5 | 34.4 | B |
| 9.1 | | 43.5 | 25.9 | B | 9.3 | 1 | 3.5 | 31.8 | | 9.3 | 39 | 18.1 | 59.4 | B | 8.9 | | 57.8 | 20.0 | | 7.8 | | 47.7 | 55.4 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 38.18 | 2.46 | | 10pr. | | 36.73 | 2.80 | | 10pr. | | 35.40 | 3.03 | | 10pr. | | 33.76 | 3.21 | | 10pr. | | 31.58 | 3.33 | |

| 2255a | | | | |
|---|---|---|---|---|
| 9.5 | 22 | 37.1 | 7.7 | B |

| 2501—2560 | | | | | 2561—2620 | | | | | 2621—2680 | | | | | 2681—2740 | | | | | 2741—2800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵘ | | +39° | | | 12ᵘ—13ᵘ | | +39° | | | 13ᵘ | | +39° | | | 13ᵘ—14ᵘ | | +39° | | | 14ᵘ | | +39° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 3 | 59.6 | 59.3 | Kb | 9.4 | 40 | 33.4 | 12.0 | | 9.4 | 7 | 49.3 | 34.3 | | 9.3 | 40 | 54.1 | 6.8 | B | 8.4 | 9 | 45.7 | 48.6 | |
| 9.3 | 4 | 5.4 | 51.7 | | 8.8 | | 37.3 | 42.3 | | 9.5 | 9 | 30.0 | 6.0 | | 9.5 | 41 | 13.5 | 5.5 | | 9.4 | 11 | 32.6 | 14.2 | |
| 8.1 | | 32.2 | 34.6 | B | 9.5 | 41 | 46.4 | 22.4 | | 9.3 | | 54.4 | 40.3 | B | 8.5 | | 29.3 | 36.1 | K | 9.4 | | 44.4 | 55.7 | |
| 9.5 | | 43.7 | 35.5 | B | 9.4 | | 53.5 | 2.9 | | 8.2 | 10 | 5.0 | 13.8 | K | 9.4 | | 37.3 | 41.2 | B | 7.5 | 12 | 12.6 | 39.6 | K |
| 7.8 | 8 | 1.8 | 33.5 | K | 9.3 | 42 | 20.7 | 4.9 | B | 9.5 | | 45.3 | 21.0 | B | 9.0 | 42 | 4.2 | 54.8 | K | 9.3 | | 15.8 | 45.6 | B |
| 7.2 | | 12.1 | 27.0 | K | 9.2 | | 25.3 | 51.3 | K | 9.3 | 11 | 15.8 | 9.0 | | 8.8 | | 8.6 | 14.2 | | 9.1 | | 53.4 | 52.5 | |
| 8.9 | 10 | 7.9 | 42.7 | | 9.5 | | 44.8 | 54.4 | | 9.2 | | 23.1 | 25.4 | | 9.5 | | 55.7 | 44.5 | B | 9.2 | | 54.7 | 20.7 | |
| 8.3 | | 9.7 | 27.3 | L | 7.5 | | 49.8 | 9.5 | K | 9.0 | 13 | 12.5 | 22.5 | | 9.5 | 44 | 59.1 | 35.6 | *a* | 9.3 | | 56.3 | 32.6 | |
| 9.5 | 11 | 47.5 | 35.7 | B | 8.5 | 43 | 10.3 | 29.6 | B | 8.9 | | 15.3 | 40.3 | | 9.5 | 45 | 21.2 | 33.9 | B | 6.8 | | 58.4 | 25.2 | K |
| 9.4 | 12 | 30.1 | 11.4 | | 8.8 | | 26.9 | 35.4 | | 8.9 | | 17.6 | 57.0 | | 9.5 | | 29.4 | 39.3 | | 6.0 | 13 | 51.1 | 28.8 | Kb |
| 8.6 | 13 | 14.9 | 59.2 | B | 9.3 | 44 | 46.8 | 9.6 | B | 7.5 | | 22.5 | 9.0 | L | 8.5 | | 58.9 | 32.3 | Bb | 8.9 | 14 | 1.7 | 4.6 | K |
| 9.4 | | 16.3 | 53.5 | | 9.3 | 45 | 6.7 | 20.0 | | 8.6 | | 56.3 | 26.1 | B | 9.5 | 46 | 9.1 | 34.3 | | 9.5 | | 5.2 | 51.1 | |
| 9.3 | | 21.3 | 7.5 | B | 9.0 | | 52.1 | 28.4 | K | 9.3 | 14 | 2.2 | 2.2 | | 9.5 | | 30.0 | 41.5 | | 9.1 | 15 | 9.5 | 21.8 | |
| 9.4 | | 52.5 | 54.2 | | 9.5 | 46 | 26.9 | 28.5 | | 8.8 | | 31.7 | 38.0 | K | 8.6 | | 52.7 | 1.7 | K | 7.8 | | 11.0 | 38.2 | K |
| 9.5 | 14 | 2.3 | 24.3 | | 9.3 | | 28.6 | 0.5 | | 6.9 | 15 | 1.7 | 39.0 | K | 8.8 | 47 | 50.2 | 26.7 | | 9.5 | | 29.0 | 48.1 | |
| 9.4 | 15 | 12.8 | 31.4 | | 9.4 | | 51.6 | 10.6 | | 9.5 | | 25.0 | 44.5 | | 9.5 | | 51.4 | 34.1 | | 9.3 | 16 | 19.5 | 35.2 | B |
| 9.5 | | 52.9 | 33.8 | | 9.2 | 47 | 14.8 | 51.7 | B | 8.7 | | 57.3 | 31.3 | B | 9.3 | 48 | 45.7 | 50.0 | K | 9.3 | | 25.8 | 38.8 | |
| 9.5 | | 57.4 | 2.0 | | 9.2 | | 20.5 | 4.5 | | 9.4 | 16 | 7.9 | 32.1 | | 9.5 | 49 | 56.3 | 5.3 | | 8.1 | | 45.4 | 8.6 | B |
| 7.5 | 17 | 44.3 | 7.5 | K | 9.1 | | 48.0 | 26.9 | K | 8.3 | | 24.2 | 8.2 | K | 9.4 | 50 | 19.8 | 17.2 | | 8.8 | 17 | 6.5 | 38.2 | |
| 7.8 | 18 | 18.1 | 9.0 | K | 3.0 | 49 | 14.3 | 6.1 | B | 8.6 | | 41.0 | 27.6 | K | 9.5 | | 46.3 | 10.8 | | 7.3 | | 38.5 | 59.8 | Kb |
| 5.4 | | 42.0 | 49.6 | K | 9.3 | | 20.8 | 49.3 | | 8.5 | 17 | 2.4 | 29.5 | K | 9.4 | | 56.6 | 28.7 | | 9.3 | 18 | 23.5 | 47.2 | K |
| 9.0 | | 48.4 | 25.3 | | 9.5 | | 31.6 | 54.4 | | 9.0 | | 13.0 | 17.2 | | 9.1 | 51 | 1.3 | 7.8 | *b* | 8.6 | | 24.5 | 5 4 | K |
| 9.1 | | 55.4 | 11.1 | B | 9.0 | 50 | 16.9 | 43.3 | K | 9.1 | 18 | 40.2 | 41.0 | Kb | 9.4 | | 32.1 | 19.2 | | 9.5 | 19 | 8.0 | 22.6 | |
| 8.6 | | 59.8 | 46.7 | B | 8.8 | 51 | 2.9 | 10.0 | K | 9.3 | | 42.2 | 46.5 | | 9.3 | | 59.2 | 17.7 | | 6.3 | | 34.2 | 2.4 | K |
| 9.2 | 21 | 30.4 | 38.7 | Kb | 8.8 | | 42.7 | 11.9 | B | 9.0 | 19 | 25.0 | 16.6 | | 8.9 | 52 | 15.6 | 7.3 | | 8.8 | 20 | 59.1 | 46.2 | K |
| 9.5 | 22 | 55.6 | 46.3 | | 8.5 | | 44.7 | 3.8 | B | 8.5 | 20 | 46.9 | 15.2 | | 8.8 | | 27.2 | 24.1 | | 9.5 | 21 | 28.0 | 9.5 | |
| 9.5 | 23 | 47.6 | 33.8 | | 9.0 | | 48.7 | 4.0 | K | 8.6 | | 56.7 | 54.5 | | 9.4 | 53 | 42.6 | 17.2 | | 9.5 | | 47.9 | 31.1 | B |
| 9.1 | | 58.1 | 56.2 | B | 9.5 | 52 | 5.2 | 49.2 | B | 9.1 | 21 | 29.3 | 50.5 | *b* | 6.5 | 54 | 15.6 | 44.0 | K | 8.8 | 22 | 9.0 | 19.3 | |
| 8.9 | 24 | 0.1 | 23.9 | | 8.0 | 54 | 2.1 | 43.8 | K | 9.1 | | 45.6 | 5.3 | | 8.7 | | 24.2 | 51.8 | K | 9.2 | | 17 5 | 57.5 | K |
| 8.5 | | 2.9 | 34.3 | | 8.1 | | 10.1 | 34.3 | K | 9.5 | 22 | 46.8 | 32.7 | | 9.4 | | 40.7 | 13.2 | | 8.5 | | 57.7 | 38.7 | K |
| 9.2 | | 56.5 | 14.4 | K | 9.0 | | 22.6 | 39.3 | | 9.4 | 23 | 13.2 | 3.8 | | 8.5 | | 49.3 | 55.4 | K | 8.9 | 23 | 19.5 | 9.8 | |
| 9.3 | 26 | 7.6 | 33.8 | | 7.7 | 55 | 36.6 | 36.2 | L | 9 5 | 24 | 1.9 | 25.1 | | 9.4 | 55 | 22.4 | 43.9 | B | 9.4 | | 43.4 | 51.3 | B |
| 8.7 | | 21.7 | 57.9 | | 7.7 | | 38.0 | 39.5 | K | 9.5 | | 22.8 | 58.0 | | 9.4 | | 43.7 | 37.1 | | *var* | | 53.6 | 30.4 | L |
| 9.0 | | 29.2 | 25.0 | K | 9.5 | 56 | 8.2 | 36.9 | B | 9.4 | 25 | 40.7 | 38.6 | | 9.0 | 57 | 53.2 | 37.6 | Kb | 8.8 | 24 | 33.0 | 10.3 | K |
| 9.0 | | 30.4 | 25.5 | K | 9.5 | | 25.0 | 41.9 | | 9.3 | | 45.6 | 5.6 | Bb | 9.4 | 58 | 10.3 | 56.0 | | 9.5 | | 55.2 | 34.2 | |
| 8.5 | | 35.1 | 40.8 | | 9.2 | 57 | 16.9 | 37.2 | B | 9.5 | | 47.5 | 11.8 | | 9.3 | | 27.1 | 54.5 | B | 9.0 | 27 | 10.5 | 1.0 | K |
| 9.5 | 27 | 8.8 | 9.5 | | 8.5 | | 32.9 | 14.0 | | 9.4 | 27 | 30.6 | 35.6 | | 9.4 | 59 | 8.8 | 37.8 | | 8.8 | 28 | 5.5 | 18.4 | K |
| 9.3 | | 25.6 | 39.3 | | 9.2 | 58 | 58.9 | 42.4 | | 6.2 | | 58.0 | 32.6 | K | 9.3 | | 9.4 | 24.2 | | 8.0 | | 11.0 | 33.8 | K |
| 9.0 | 28 | 55.3 | 28.9 | | 8.0 | 59 | 13.8 | 10.6 | K | 9.0 | 28 | 42.2 | 3.0 | B | 9.1 | | 52.1 | 29.8 | B | 9.1 | | 17.5 | 23.3 | |
| 7.3 | 30 | 35.9 | 28.3 | L | 9.3 | | 32.4 | 30.0 | | 9.5 | 29 | 13.3 | 10.8 | | 7.0 | 0 | 21.7 | 6.7 | K | 9.3 | | 52.5 | 9.5 | |
| 9.0 | 31 | 9.4 | 28.8 | | 9.0 | | 37.3 | 19.4 | | 9.5 | | 52.0 | 43.3 | B | 9.5 | | 43.6 | 57.8 | B | 9.5 | | 54.5 | 50.8 | |
| 9.3 | | 39.8 | 45.2 | | 8.6 | 0 | 3.3 | 45.9 | B | 9.0 | 31 | 38.7 | 55.2 | B | 9.5 | 1 | 33.8 | 8 3 | *B* | 9.3 | 30 | 28.3 | 54.6 | K |
| 9.5 | 33 | 58.7 | 40.9 | | 9.5 | | 18.6 | 37.2 | | 7.2 | | 43.5 | 55.4 | B | 9.2 | | 58.9 | 56.0 | | 9.5 | 31 | 18.0 | 1.0 | *b* |
| 7.4 | 34 | 23.5 | 11.4 | K | 9.5 | | 49.7 | 30.9 | | 9.4 | | 54.6 | 35.6 | | 8.6 | 2 | 0.1 | 28.2 | Kb | 8.8 | | 45.5 | 40.7 | |
| 9.1 | | 50.5 | 28.5 | *b* | 8.9 | 1 | 1.3 | 55.7 | K | 8.0 | 32 | 22.6 | 7.7 | K | 9.0 | | 3.9 | 57.6 | B | 9.3 | 32 | 1 0 | 53.2 | K |
| 9.3 | | 59.7 | 29.0 | | 8.6 | | 8.9 | 55.0 | K | 9.0 | | 31.2 | 34.6 | Kb | 9.0 | | 17.7 | 1.8 | | 9.0 | | 5.2 | 28.3 | |
| 9.5 | 35 | 11.0 | 44.5 | | 7.5 | | 32.9 | 33.3 | S | 9.5 | | 35.9 | 45 0 | | 8.1 | 3 | 25.9 | 22.8 | B | 9.5 | | 29.8 | 54.0 | |
| 9.3 | | 31.4 | 57.9 | | 9.0 | 2 | 21.5 | 16.9 | | 9.0 | 33 | 13.2 | 15.2 | | 9.4 | 4 | 26.9 | 25.0 | B | 9.2 | | 33.5 | 50.0 | B |
| 9.3 | | 36.8 | 53.3 | | 8.8 | | 30.7 | 7.4 | K | 9.5 | 34 | 44.5 | 17.0 | B | 9.5 | | 39.1 | 45.6 | | 9.5 | | 37.8 | 57.1 | |
| 9.3 | | 56.9 | 22.5 | | 8.9 | | 56.0 | 40.8 | | 9.1 | 35 | 5.4 | 36.4 | B | 8.3 | | 58.5 | 16.7 | B | 9.2 | 33 | 3.4 | 40.8 | K |
| 9.0 | 36 | 3.4 | 38.3 | | 6.3 | 3 | 0.2 | 18.9 | K | 9.2 | | 42.1 | 40.4 | | 7.8 | 5 | 55.4 | 31.6 | K | 9.5 | 35 | 25.5 | 31.3 | |
| 9.5 | | 46.3 | 48.3 | | 8.3 | | 19.7 | 50.7 | | 8.2 | | 57.3 | 40.7 | L | 9.5 | 6 | 20.3 | 3.8 | | 9.2 | | 26.3 | 23.3 | *b* |
| 9.5 | 37 | 1.0 | 10.5 | | 7.0 | | 21.3 | 29.9 | G | 8.4 | 36 | 4.6 | 33.1 | L | 9.5 | | 58.9 | 48.9 | B | 9.3 | | 26.5 | 11.5 | |
| 8.6 | | 28.8 | 13.9 | K | 6.2 | | 23.0 | 16.4 | K | 9.5 | | 39.5 | 55.6 | *B* | 9.4 | 7 | 17.6 | 32.7 | | 8.8 | 36 | 51.6 | 19.8 | K |
| 9.4 | | 37.3 | 23.5 | | 9.4 | | 48.2 | 50.3 | B | 8 7 | 37 | 2.9 | 58.8 | Kb | 9.0 | | 47.6 | 26.1 | | 9.5 | 38 | 26.4 | 6.0 | |
| 9.5 | 38 | 8.1 | 28.6 | | 8.8 | 4 | 54.4 | 44.3 | | 8.4 | 38 | 4.4 | 32.1 | K | 8.5 | | 53.7 | 29.7 | L | 9.5 | | 45.5 | 14.4 | |
| 9.3 | | 15.5 | 34.3 | | 8.6 | 5 | 26.7 | 39.3 | K | 9.4 | | 28.6 | 8.8 | *B* | 8.2 | 8 | 5.4 | 47.1 | G | 8.6 | 39 | 19.0 | 36.8 | K |
| 7.8 | | 42.9 | 9.5 | L | 9.5 | | 43.5 | 30.3 | B | 6.0 | 40 | 2.6 | 13.7 | K | 9.1 | | 29.2 | 6.7 | K | 9.3 | | 54.6 | 46.5 | K |
| 9.5 | 39 | 5.7 | 54.7 | B | 9.0 | | 51.7 | 6.4 | K | 8.5 | | 39.0 | 15.5 | B | 7.4 | | 35.5 | 57.5 | Kb | 9.5 | 40 | 40.5 | 59.9 | |
| 9.5 | 40 | 2.8 | 15.5 | | 6.8 | 6 | 23.1 | 4.3 | K | 5.5 | | 45.4 | 17.7 | Kb | 9.3 | 9 | 29.6 | 24.7 | | 9.2 | 41 | 5.2 | 50.8 | Kb |
| *10 pr.* | | + 29.54 | — 3.32 | | *10 pr.* | | + 28.14 | — 3.25 | | *10 pr.* | | + 26.82 | — 3.13 | | *10 pr.* | | + 25.43 | — 2.93 | | *10 pr.* | | + 24.28 | — 2.71 | |

2801—2860

| | 14ᵐ—15ᵐ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.4 | 42 19.5 | 2.9 | |
| 9.0 | 52.5 | 13.4 | K |
| 9.1 | 43 9.6 | 20.9 | K |
| 9.5 | 44 14.5 | 44.8 | |
| 9.0 | 45 36.4 | 1.4 | |
| 7.7 | 59.7 | 42.2 | K |
| 7.6 | 46 6.2 | 0.0 | K |
| 9.5 | 13.0 | 1.4 | |
| 9.1 | 33.8 | 20.3 | B |
| 9.4 | 48 47.7 | 1.9 | B |
| 9.4 | 49 34.5 | 26.4 | |
| 9.3 | 50 36.7 | 46.8 | B |
| 9.0 | 41.6 | 18.7 | K |
| 9.3 | 46.0 | 0.9 | K |
| 9.5 | 51 14.3 | 39.3 | |
| 9.3 | 30.2 | 21.3 | |
| 9.2 | 35.0 | 6.0 | |
| 9.2 | 39.0 | 11.0 | K |
| 8.2 | 53 4.5 | 5.0 | K |
| 5.5 | 54 3.7 | 51.2 | Kb |
| 8.9 | 29.6 | 33.6 | |
| 9.4 | 37.0 | 45.3 | |
| 8.8 | 39.9 | 55.3 | K |
| 8.3 | 42.4 | 25.1 | B |
| 9.5 | 55 57.5 | 42.3 | |
| 8.0 | 56 28.6 | 30.6 | L |
| 9.0 | 57 3.2 | 42.2 | B |
| 9.3 | 8.0 | 35.7 | |
| 8.3 | 27.5 | 26.3 | K |
| 9.3 | 58 7.8 | 3.0 | |
| 9.1 | 44.2 | 45.7 | K |
| 7.0 | 59 10.0 | 10.9 | K |
| 9.3 | 38.5 | 11.9 | |
| 8.1 | 1 1.4 | 33.6 | B |
| 9.5 | 7.5 | 11.0 | |
| 9.4 | 3 34.0 | 58.2 | |
| 8.0 | 51.9 | 58.7 | K |
| 7.5 | 4 25.0 | 30.9 | K |
| 9.0 | 5 14.5 | 28.4 | K |
| 9.5 | 25.5 | 37.3 | |
| 8.0 | 42.0 | 30.8 | K |
| 8.9 | 48.7 | 9.4 | K |
| 9.3 | 6 4.5 | 45.3 | |
| 7.5 | 26.0 | 13.2 | L |
| 7.5 | 29.0 | 13.0 | S |
| 7.3 | 53.1 | 30.9 | K |
| 8.0 | 7 44.5 | 11.5 | Kb |
| 9.0 | 59.3 | 13.9 | K |
| 9.4 | 8 0.5 | 5.0 | |
| 9.4 | 28.7 | 14.9 | |
| 9.4 | 39.9 | 51.1 | |
| 8.3 | 41.7 | 31.5 | B |
| 8.8 | 10 19.0 | 35.3 | |
| 8.8 | 26.5 | 13.8 | |
| 9.3 | 41.6 | 23.9 | |
| 9.5 | 49.7 | 3.5 | |
| 9.4 | 54.1 | 48.7 | B |
| 8.2 | 59.7 | 19.6 | B |
| 9.3 | 11 9.5 | 15.2 | |
| 9.1 | 12 46.0 | 11.0 | |
| | + | — | |
| 10pr. | 22.97 | 2.38 | |

2861—2920

| | 15ᵐ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.1 | 12 51.8 | 3.0 | |
| 9.5 | 14 8.5 | 10.0 | |
| 9.1 | 13.5 | 1.5 | K |
| 9.3 | 47.2 | 40.8 | b |
| 9.5 | 15 16.8 | 1.8 | |
| 9.5 | 16 4.9 | 56.5 | |
| 8.5 | 17 50.8 | 38.8 | |
| 9.5 | 18 33.6 | 14.5 | B |
| 8.8 | 19 23.3 | 1.5 | K |
| 9.5 | 20 7.7 | 56.7 | |
| 8.8 | 16.9 | 6.9 | B |
| 8.8 | 21 48.4 | 59.6 | Sb |
| 9.4 | 22 13.3 | 57.7 | |
| 9.1 | 54.5 | 8.4 | K |
| 7.0 | 23 8.0 | 14.9 | K |
| 9.5 | 24 48.3 | 15.1 | B |
| 9.5 | 51.7 | 12.6 | |
| 9.5 | 25 17.6 | 57.8 | B |
| 9.4 | 36.0 | 37.8 | |
| 9.0 | 26 25.0 | 44.3 | |
| 9.1 | 25.2 | 46.3 | |
| 9.2 | 25.5 | 22.8 | |
| 9.3 | 37.5 | 13.9 | K |
| 8.9 | 27 6.3 | 52.2 | |
| 9.3 | 26.4 | 8.2 | K |
| 9.5 | 28 34.3 | 15.7 | |
| 9.4 | 29 6.6 | 52.5 | |
| 8.8 | 13.7 | 56.5 | R |
| 5.0 | 55.4 | 31.0 | Kb |
| 9.1 | 30 59.4 | 51.0 | |
| 9.4 | 31 0.8 | 19.6 | |
| 8.8 | 42.9 | 47.5 | |
| 9.5 | 32 3.5 | 18.2 | |
| 8.7 | 33 0.3 | 1.7 | K |
| 8.7 | 13.8 | 41.5 | |
| 8.7 | 34 9.8 | 53.3 | K |
| 9.5 | 21.5 | 40.8 | B |
| 7.7 | 35 27.6 | 11.2 | L |
| 9.3 | 30.9 | 2.8 | |
| 9.4 | 36 2.3 | 21.2 | |
| 7.0 | 6.1 | 1.8 | K |
| 9.1 | 14.3 | 51.9 | |
| 9.3 | 37 1.3 | 47.0 | Kb |
| 8.4 | 25.1 | 59.8 | |
| 9.5 | 38 14.8 | 45.6 | |
| 8.5 | 48.6 | 23.2 | |
| 9.2 | 50.3 | 40.1 | |
| 9.0 | 39 9.4 | 52.1 | L |
| 9.5 | 33.6 | 0.2 | |
| 9.0 | 55.9 | 21.1 | K |
| 8.7 | 40 47.6 | 33.6 | R |
| 9.0 | 56.6 | 11.2 | K |
| 9.0 | 59.3 | 41.0 | R |
| 9.5 | 41 10.9 | 21.6 | |
| 8.4 | 13.8 | 17.7 | K |
| 9.0 | 40.8 | 40.1 | K |
| 9.5 | 45.6 | 19.3 | |
| 8.9 | 42 0.8 | 27.2 | K |
| 9.5 | 30.4 | 30.1 | |
| *9.4 | 44 33.6 | 50.0 | a |
| | + | — | |
| 10pr. | 21.95 | 2.02 | |

2921—2980

| | 15ᵐ—16ᵐ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 8.7 | 45 0.6 | 2.8 | R |
| 8.2 | 12.4 | 15.7 | |
| 8.9 | 33.0 | 39.6 | B |
| 9.3 | 58.3 | 2.4 | K |
| 9.5 | 46 17.9 | 15.7 | |
| 9.5 | 47 7.6 | 54.0 | |
| 9.0 | 12.3 | 25.1 | K |
| 9.5 | 37.6 | 44.5 | |
| 9.2 | 48.8 | 37.1 | K |
| 8.5 | 49 10.8 | 9.3 | Kb |
| 9.5 | 41.4 | 30.7 | |
| 9.3 | 50 22.6 | 21.2 | |
| 7.7 | 58.6 | 51.0 | K |
| 9.5 | 51 41.4 | 23.1 | |
| 9.4 | 52 34.2 | 41.1 | B |
| 8.8 | 53 26.4 | 39.5 | K |
| 9.2 | 53.6 | 23.8 | K |
| 9.2 | 54 16.8 | 41.5 | |
| 9.5 | 32.6 | 7.7 | |
| 8.7 | 49.3 | 20.6 | K |
| 9.3 | 55 0.0 | 42.0 | K |
| 6.7 | 47.1 | 34.5 | K |
| 9.1 | 56 3.9 | 23.7 | |
| 9.5 | 57 21.6 | 25.6 | |
| 9.3 | 58 21.8 | 49.1 | B |
| 9.5 | 59 42.4 | 39.0 | |
| 6.5 | 56.9 | 32.5 | K |
| 9.0 | 0 7.8 | 19.1 | |
| 9.2 | 57.4 | 32.5 | |
| 8.4 | 1 17.4 | 2.9 | B |
| 9.2 | 23.8 | 10.3 | K |
| 9.2 | 27.3 | 29.7 | K |
| 7.8 | 2 12.9 | 12.2 | K |
| 7.8 | 16.6 | 31.1 | K |
| 8.9 | 30.8 | 9.7 | K |
| 9.5 | 3 23.9 | 37.1 | |
| 9.1 | 4 47.8 | 11.3 | K |
| 8.3 | 5 38.6 | 31.2 | K |
| 9.5 | 54.8 | 48.0 | |
| 9.2 | 6 1.6 | 55.1 | |
| 6.0 | 7 1.8 | 25.2 | K |
| 9.0 | 10.8 | 7.8 | |
| 7.5 | 47.9 | 43.1 | K |
| 9.1 | 9 39.4 | 15.7 | |
| 9.0 | 51.9 | 43.1 | |
| 9.3 | 53.8 | 31.3 | |
| 8.8 | 56.8 | 56.2 | Kb |
| 9.0 | 10 41.9 | 20.7 | |
| 9.2 | 42.8 | 45.1 | K |
| 9.3 | 11 32.0 | 49.2 | B |
| 9.0 | 12 8.9 | 21.7 | |
| 9.2 | 13.8 | 52.5 | |
| 9.3 | 14.4 | 50.5 | |
| 9.5 | 40.5 | 24.2 | B |
| 9.3 | 42.0 | 35.7 | B |
| 9.0 | 13 8.4 | 17.7 | Kb |
| 8.5 | 14 9.3 | 8.2 | K |
| 9.3 | 16 24.9 | 57.0 | B |
| 8.6 | 30.5 | 16.7 | Kb |
| 9.4 | 40.4 | 56.9 | B |
| | + | — | |
| 10pr. | 21.14 | 1.65 | |

2981—3040

| | 16ᵐ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.5 | 16 54.8 | 28.2 | |
| 9.0 | 17 10.9 | 36.7 | K |
| 9.0 | 29.3 | 51.1 | K |
| 8.7 | 18 13.3 | 31.2 | K |
| 9.0 | 19 18.4 | 43.2 | B |
| 9.4 | 25.0 | 7.7 | |
| 9.5 | 34.4 | 5.2 | |
| 9.1 | 40.9 | 41.0 | |
| 8.5 | 50.3 | 46.0 | K |
| 9.0 | 20 35.4 | 7.3 | |
| 9.2 | 41.4 | 55.2 | K |
| 9.3 | 21 0.7 | 23.6 | B |
| 9.5 | 6.3 | 8.1 | |
| 9.3 | 20.5 | 55.3 | B |
| 9.5 | 32.9 | 43.9 | B |
| 7.5 | 59.7 | 10.7 | L |
| 9.1 | 22 45.4 | 37.3 | B |
| 9.4 | 51.6 | 42.1 | |
| 8.9 | 23 39.3 | 24.7 | K |
| 9.2 | 40.1 | 16.9 | B |
| 9.1 | 59.3 | 22.7 | K |
| 9.2 | 24 17.3 | 3.7 | K |
| 9.1 | 25 9.1 | 55.4 | K |
| 9.3 | 30.4 | 51.0 | |
| 9.5 | 55.1 | 43.1 | |
| 9.5 | 57.1 | 47.6 | |
| 9.4 | 26 5.8 | 7.8 | |
| 9.3 | 38.4 | 41.1 | K |
| 9.2 | 48.9 | 31.1 | K |
| 9.0 | 55.6 | 9.7 | K |
| 8.8 | 28 15.9 | 12.2 | K |
| 8.5 | 34.6 | 23.6 | K |
| 9.5 | 29 23.4 | 34.1 | |
| 9.0 | 27.8 | 12.7 | K |
| 9.5 | 28.9 | 22.1 | |
| 8.4 | 30 8.4 | 17.6 | K |
| 8.8 | 53.4 | 50.5 | Kb |
| 9.5 | 31 19.3 | 44.1 | |
| 8.5 | 53.9 | 8.7 | K |
| 9.3 | 59.4 | 37.6 | |
| 6.8 | 33 9.0 | 51.9 | K |
| 9.0 | 32.6 | 11.8 | K |
| 9.1 | 34.3 | 51.6 | |
| 9.4 | 35 1.6 | 51.1 | B |
| 9.5 | 46.4 | 56.6 | |
| 9.3 | 36 5.6 | 0.8 | K |
| 9.2 | 44.7 | 55.8 | K |
| 9.3 | 37 17.8 | 23.1 | |
| 3.0 | 56.2 | 11.0 | K |
| 9.5 | 56.3 | 53.1 | |
| 9.2 | 38 25.1 | 3.0 | |
| 9.3 | 41.7 | 34.3 | K |
| 9.4 | 56.0 | 9.6 | |
| 9.5 | 39 1.3 | 2.7 | |
| 9.5 | 32.7 | 57.1 | |
| 9.3 | 41.6 | 24.8 | B |
| 8.0 | 40 37.1 | 40.0 | L |
| 8.4 | 42.7 | 26.1 | K |
| 9.0 | 46.1 | 16.5 | K |
| 9.2 | 41 29.8 | 27.6 | K |
| | + | — | |
| 10pr. | 20.59 | 1.31 | |

3041—3100

| | 16ᵐ—17ᵐ | +39° | |
|---|---|---|---|
| m | ′ ″ | ′ | |
| 9.2 | 41 51.9 | 33.0 | |
| 8.5 | 52.8 | 22.9 | K |
| 8.5 | 54.8 | 21.7 | K |
| 7.8 | 42 42.2 | 42.4 | K |
| 9.5 | 48.2 | 56.4 | |
| 9.5 | 43 57.3 | 23.5 | |
| 9.3 | 44 1.2 | 5.6 | K |
| 9.3 | 29.0 | 33.0 | |
| 8.7 | 46.9 | 30.5 | K |
| 9.5 | 45 2.5 | 7.2 | |
| 9.5 | 40.5 | 39.0 | |
| 9.4 | 51.8 | 7.2 | |
| 9.2 | 46 2.6 | 16.6 | B |
| 9.2 | 25.2 | 44.0 | b |
| 9.0 | 47 13.6 | 10.1 | K |
| 9.4 | 24.4 | 10.5 | |
| 9.2 | 48 8.7 | 52.0 | Kb |
| 9.5 | 51 59.5 | 14.0 | |
| 9.4 | 52 10.8 | 25.0 | |
| 9.5 | 14.5 | 32.5 | |
| 8.3 | 51.1 | 56.1 | K |
| 7.8 | 53 32.3 | 56.2 | K |
| 9.4 | 52.1 | 38.0 | K |
| 9.3 | 58.2 | 46.4 | K |
| 9.4 | 59.1 | 21.9 | |
| 9.4 | 54 6.4 | 52.6 | Kb |
| 9.4 | 9.9 | 16.9 | B |
| 9.5 | 23.7 | 47.0 | |
| 7.0 | 55 13.4 | 20.6 | K |
| 9.5 | 33.6 | 56.4 | |
| 7.3 | 37.9 | 7.2 | K |
| 8.0 | 56 4.4 | 45.9 | K |
| 9.3 | 45.6 | 11.5 | K |
| 8.2 | 57 3.2 | 54.8 | K |
| 9.0 | 44.3 | 49.4 | K |
| 9.5 | 58 26.7 | 17.0 | |
| 9.5 | 0 8.0 | 22.1 | |
| 8.8 | 1 22.0 | 44.9 | K |
| 8.7 | 33.5 | 10.1 | K |
| 9.1 | 4 52.6 | 0.6 | |
| 9.5 | 5 25.6 | 51.4 | |
| 8.8 | 46.9 | 50.8 | |
| 8.5 | 6 7.5 | 16.2 | |
| 9.5 | 25.8 | 52.5 | |
| 8.9 | 42.0 | 32.5 | |
| 8.0 | 45.6 | 26.1 | K |
| 8.9 | 7 9.9 | 5.2 | K |
| 9.4 | 34.4 | 53.8 | |
| 9.0 | 37.7 | 42.5 | K |
| 9.4 | 8 12.5 | 32.5 | |
| 7.2 | 35.7 | 10.1 | K |
| 9.4 | 9 21.5 | 34.0 | |
| 9.0 | 32.9 | 17.1 | K |
| 8.7 | 10 35.3 | 2.6 | K |
| 9.3 | 35.8 | 36.5 | |
| 8.8 | 11 18.7 | 20.1 | K |
| 8.7 | 31.5 | 31.0 | K |
| 7.0 | 12 5.9 | 38.5 | K |
| 8.7 | 19.2 | 20.6 | K |
| 9.5 | 13 29.3 | 38.5 | |
| | + | — | |
| 10pr. | 20.13 | 0.93 | |

2919 a

| | | | |
|---|---|---|---|
| 9.5 | 43 11.6 | 58.5 | a |

| 3101—3160 | | | | 3161—3220 | | | | 3221—3280 | | | | 3281—3340 | | | | 3341—3400 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵘ | +39° | | | 17ᵘ | +39° | | | 17ᵘ | +39° | | | 17ᵘ—18ᵘ | +39° | | | 18ᵘ | +39° | |
| m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | | m | | ′ | |
| 9.4 | 13′ 31.5 | 42.0 | | 8.8 | 29′ 27.8 | 46.5 | K | 9.3 | 41′ 20.0 | 20.3 | | 9.4 | 52′ 36.3 | 19.7 | | 9.5 | 5′ 57.1 | 1.4 | |
| 9.3 | 14 36.6 | 50.4 | | 9.2 | 29.5 | 9.5 | | 9.5 | 21.0 | 32.2 | | 9.3 | 39.8 | 40.5 | | 9.0 | 6 1.2 | 56.2 | |
| 9.2 | 43.6 | 1.7 | K | 9.2 | 36.3 | 20.5 | K | 9.0 | 27.8 | 5.1 | | 9.2 | 49.4 | 17.3 | | 6.9 | 25.2 | 4.3 | K |
| 8.1 | 53.9 | 25.9 | K | 8.5 | 46.1 | 41.1 | K | 9.5 | 35.7 | 59.4 | | 9.5 | 53 5.0 | 40.5 | | 9.5 | 37.6 | 23.6 | |
| 8.9 | 58.6 | 56.7 | K | 9.4 | 30 13.2 | 35.2 | | 9.5 | 41.6 | 9.9 | | 9.4 | 8.1 | 53.8 | | 9.1 | 44.4 | 46.3 | K |
| 9.1 | 15 8.7 | 13.6 | K | 9.5 | 41.5 | 37.5 | | 9.1 | 44.2 | 22.0 | | 9.0 | 13.5 | 2.3 | | 9.5 | 46.8 | 12.2 | |
| 9.5 | 34.2 | 51.4 | | 8.8 | 56.6 | 26.6 | | 8.7 | 58.8 | 6.0 | K | 9.4 | 57.4 | 58.3 | | 9.5 | 7 2.9 | 12.7 | |
| 8.5 | 57.1 | 14.8 | K | 9.0 | 31 32.7 | 12.7 | K | 9.3 | 42 14.7 | 49.9 | | 9.5 | 54 7.3 | 1.6 | | 9.2 | 3.0 | 23.8 | |
| 9.3 | 57.1 | 30.8 | | 8.8 | 38.4 | 54.0 | | 9.1 | 37.4 | 9.9 | | 9.5 | 8.7 | 43.1 | | 8.9 | 9.1 | 57.9 | |
| 9.5 | 16 15.4 | 49.9 | | 9.3 | 41.4 | 6.3 | | 9.4 | 51.1 | 6.6 | | 9.5 | 24.8 | 26.9 | | 9.4 | 34.8 | 31.1 | |
| 8.7 | 23.3 | 22.6 | K | 9.3 | 43.4 | 6.2 | | 9.5 | 58.5 | 25.3 | | 9.4 | 30.9 | 52.2 | | 9.2 | 34.8 | 56.2 | |
| 9.2 | 29.3 | 31.8 | | 8.7 | 58.6 | 57.8 | | 9.5 | 43 7.4 | 21.3 | | 9.5 | 35.1 | 33.1 | | 9.5 | 45.5 | 37.1 | |
| 9.5 | 38.9 | 21.5 | | 8.6 | 32 8.0 | 8.1 | K | 8.4 | 41.0 | 53.9 | L | 9.4 | 52.8 | 57.4 | | 9.5 | 52.4 | 36.4 | |
| 9.5 | 50.4 | 27.3 | | 9.4 | 10.1 | 39.3 | | 9.4 | 46.9 | 27.4 | | 8.6 | 55.0 | 1.0 | K | 9.4 | 8 3.6 | 10.7 | |
| 9.2 | 17 10.8 | 49.9 | | 9.5 | 33 13.0 | 9.7 | | 9.1 | 47.5 | 20.5 | b | 9.3 | 55 2.1 | 33.2 | | 9.3 | 8.5 | 8.7 | |
| 9.2 | 23.6 | 6.1 | K | 8.0 | 14.7 | 48.6 | K | 9.5 | 44 12.0 | 36.8 | | 9.2 | 15.7 | 57.4 | | 8.6 | 15.7 | 18.1 | |
| 9.5 | 32.7 | 18.0 | | 9.4 | 19.9 | 25.5 | | 9.5 | 19.8 | 49.7 | | 9.5 | 17.2 | 43.9 | | 8.5 | 21.4 | 25.7 | K |
| 9.1 | 35.0 | 51.7 | | 9.5 | 19.9 | 16.9 | | 6.8 | 54.4 | 39.0 | K | 9.4 | 36.8 | 40.2 | | 9.5 | 31.2 | 46.2 | |
| 9.5 | 18 3.4 | 48.7 | | 9.5 | 49.6 | 57.3 | | 8.8 | 59.5 | 53.1 | | 9.2 | 51.7 | 7.2 | | 9.5 | 36.8 | 44.7 | |
| 8.2 | 19 11.0 | 53.2 | K | 9.5 | 58.8 | 8.7 | | 9.5 | 45 4.6 | 22.6 | | 8.0 | 56 22.5 | 2.0 | K | 9.5 | 37.2 | 20.0 | |
| 9.0 | 23.5 | 48.6 | K | 8.4 | 34 2.7 | 0.7 | K | 7.7 | 48.4 | 33.5 | K | 8.9 | 37.4 | 45.0 | | 9.5 | 39.0 | 31.6 | |
| 8.6 | 29.6 | 45.0 | K | 9.5 | 22.0 | 20.1 | | 7.7 | 54.5 | 35.5 | K | 9.5 | 57 11.2 | 2.8 | | 8.3 | 46.4 | 41.7 | K |
| 8.4 | 31.5 | 6.7 | K | 9.5 | 24.2 | 14.9 | | 9.5 | 46 14.8 | 22.2 | | 9.5 | 38.4 | 10.3 | | 9.5 | 9 0.3 | 40.7 | |
| 8.5 | 47.4 | 19.0 | K | 9.5 | 39.5 | 25.0 | | 9.2 | 22.3 | 38.4 | | 8.5 | 59.6 | 50.3 | K | 9.5 | 18.4 | 18.7 | |
| 8.0 | 49.4 | 20.5 | K | 9.5 | 50.8 | 7.0 | | 9.3 | 47 11.5 | 47.9 | | 9.5 | 58 4.0 | 24.3 | | 9.5 | 52.8 | 2.5 | |
| 9.1 | 53.0 | 38.2 | K | 9.5 | 35 7.9 | 46.2 | | 9.0 | 13.0 | 16.0 | | 9.0 | 8.5 | 17.7 | | 7.7 | 10 8.5 | 41.4 | K |
| 9.5 | 53.1 | 40.8 | | 9.5 | 10.7 | 4.3 | | 8.6 | 14.5 | 19.8 | | 9.5 | 24.7 | 25.9 | | 8.3 | 12.4 | 50.8 | K |
| 9.3 | 55.4 | 52.4 | | 7.7 | 21.9 | 49.5 | K | 8.6 | 32.8 | 24.2 | | 8.5 | 30.3 | 21.1 | K | 9.5 | 11 5.4 | 42.9 | |
| 9.5 | 20 11.0 | 28.0 | | 9.3 | 23.4 | 57.5 | | 9.3 | 39.1 | 38.6 | | 9.0 | 59 2.3 | 31.9 | | 7.8 | 16.8 | 20.4 | K |
| 8.5 | 24.2 | 48.9 | K | 9.5 | 36.5 | 58.0 | | 9.5 | 43.9 | 45.0 | | 7.0 | 21.2 | 28.7 | K | 9.5 | 18.7 | 5.4 | |
| 9.2 | 43.1 | 13.5 | | 9.3 | 37.7 | 15.2 | | 9.5 | 53.8 | 18.5 | | 9.5 | 39.7 | 47.6 | | 8.8 | 25.5 | 19.9 | |
| 9.5 | 21 22.8 | 9.8 | | 8.8 | 40.2 | 9.4 | K | 7.5 | 48 20.7 | 43.4 | R | 8.8 | 44.1 | 39.9 | | 9.5 | 12 17.2 | 36.4 | |
| 8.6 | 22 22.7 | 43.1 | K | 9.5 | 46.3 | 56.8 | | 9.5 | 21.4 | 46.5 | | 9.5 | 0 2.4 | 46.0 | | 9.3 | 45.0 | 50.4 | |
| 9.3 | 24.5 | 57.9 | | 9.5 | 55.4 | 42.1 | | 8.5 | 25.4 | 19.8 | K | 8.3 | 16.4 | 43.8 | K | 9.4 | 45.6 | 45.4 | |
| 9.5 | 56.6 | 34.0 | | 9.2 | 58.0 | 49.7 | | 9.5 | 29.4 | 42.0 | | 9.4 | 38.6 | 38.2 | | 9.5 | 13 2.5 | 35.8 | |
| 9.5 | 23 6.0 | 58.7 | | 9.5 | 36 20.3 | 0.2 | | 8.6 | 44.7 | 29.4 | K | 9.3 | 40.9 | 50.9 | Kb | 9.5 | 21.0 | 58.5 | |
| 9.5 | 18.0 | 1.3 | | 9.0 | 21.0 | 21.4 | | 9.5 | 50.1 | 40.4 | | 9.5 | 55.8 | 27.9 | | 9.5 | 33.7 | 17.0 | |
| 9.4 | 54.9 | 58.2 | | 9.0 | 58.8 | 22.5 | | 9.5 | 49 7.2 | 48.5 | | 9.5 | 56.1 | 36.7 | | 9.5 | 53.1 | 26.6 | |
| 9.2 | 24 9.5 | 22.1 | | 9.1 | 37 34.4 | 12.6 | | 8.2 | 18.5 | 29.4 | K | 9.2 | 1 42.7 | 52.9 | | 9.5 | 14 6.2 | 33.2 | |
| 9.2 | 10.0 | 31.5 | | 9.5 | 36.3 | 53.6 | | 8.3 | 39.9 | 16.0 | K | 9.0 | 52.2 | 6.8 | | 7.5 | 12.4 | 12.5 | K |
| 8.5 | 12.2 | 44.7 | | 9.5 | 47.9 | 34.5 | | 9.1 | 56.0 | 55.0 | | 8.8 | 58.8 | 35.5 | | 9.5 | 20.6 | 41.5 | |
| 9.2 | 38.0 | 12.9 | K | 9.1 | 56.2 | 21.2 | | 9.0 | 50 1.6 | 50.0 | K | 9.5 | 2 19.3 | 9.9 | | 8.4 | 24.7 | 41.9 | B |
| 9.1 | 50.4 | 36.5 | | 9.2 | 38 10.8 | 46.6 | K | 8.8 | 3.7 | 43.2 | K | 9.5 | 19.8 | 23.0 | | 7.4 | 58.4 | 2.4 | K |
| 9.0 | 53.4 | 15.6 | K | 9.4 | 14.5 | 45.7 | | 8.6 | 5.5 | 9.9 | | 8.7 | 53.5 | 6.2 | | 9.4 | 58.9 | 12.8 | |
| 9.4 | 25 26.3 | 7.9 | | 9.2 | 59.4 | 45.9 | | 8.8 | 11.2 | 25.0 | | 8.6 | 55.7 | 3.9 | K | 7.8 | 15 3.8 | 32.4 | B |
| 9.5 | 46.5 | 39.4 | | 9.5 | 39 5.7 | 22.5 | | 9.5 | 16.1 | 20.9 | | 9.5 | 3 0.5 | 38.0 | | 8.9 | 7.6 | 38.4 | |
| 6.5 | 50.4 | 0.3 | K | 9.2 | 14.3 | 28.2 | | 9.0 | 27.0 | 12.1 | | 6.8 | 17.6 | 53.8 | Lb | 9.4 | 17.6 | 47.2 | |
| 9.4 | 26 24.8 | 39.3 | | 9.3 | 15.5 | 9.2 | | 9.5 | 27.4 | 14.7 | | 9.4 | 29.2 | 43.1 | | 8.6 | 21.4 | 0.2 | K |
| 9.1 | 44.4 | 50.5 | | 9.5 | 47.8 | 25.0 | | 8.3 | 39.8 | 31.0 | K | 8.9 | 38.9 | 4.7 | K | 9.3 | 36.0 | 15.2 | |
| 9.5 | 50.0 | 13.7 | | 8.9 | 40 3.1 | 46.5 | | 9.5 | 48.0 | 10.5 | | 8.0 | 55.0 | 2.9 | K | 9.3 | 43.9 | 40.7 | |
| 9.5 | 27 2.5 | 44.6 | | 9.5 | 10.7 | 25.7 | | 9.1 | 48.1 | 30.5 | | 9.1 | 4 22.4 | 8.2 | K | 8.0 | 46.4 | 48.9 | B |
| 9.4 | 38.5 | 36.8 | | 9.5 | 14.4 | 42.2 | | 9.1 | 51.3 | 37.1 | | 9.5 | 33.5 | 0.5 | | 9.4 | 16 23.5 | 13.0 | |
| 9.3 | 44.2 | 52.5 | | 7.9 | 20.6 | 3.4 | K | 9.5 | 51 11.0 | 2.7 | | 9.1 | 36.9 | 38.6 | | 9.5 | 24.6 | 45.6 | |
| 9.5 | 28 14.0 | 7.8 | | 9.2 | 35.2 | 35.9 | | 7.6 | 25.0 | 28.0 | K | 8.7 | 42.0 | 3.3 | K | 9.5 | 30.8 | 53.2 | |
| 9.2 | 22.2 | 37.9 | | 8.1 | 39.1 | 24.7 | K | 9.5 | 26.9 | 36.3 | | 8.9 | 47.6 | 38.9 | | 9.2 | 32.1 | 15.7 | |
| 9.0 | 22.4 | 31.1 | K | 9.5 | 48.7 | 6.1 | | 9.3 | 52.8 | 12.5 | | 7.4 | 5 8.4 | 51.3 | L | 9.2 | 33.9 | 21.1 | |
| 9.2 | 43.6 | 59.0 | K | 8.8 | 41 2.0 | 38.8 | K | 9.5 | 52 3.6 | 10.1 | | 9.5 | 15.2 | 20.4 | | 9.5 | 40.1 | 4.4 | B |
| 9.5 | 29 1.1 | 48.8 | | 8.9 | 8.5 | 29.4 | K | 9.5 | 22.5 | 50.3 | | 9.4 | 21.7 | 48.7 | | 9.5 | 55.4 | 49.5 | |
| 8.9 | 13.2 | 8.1 | K | 6.0 | 12.0 | 22.8 | K | 9.4 | 28.0 | 5.3 | | 7.9 | 30.4 | 3.1 | K | 9.5 | 57.9 | 57.7 | |
| 8.9 | 13.9 | 2.5 | K | 9.4 | 15.2 | 53.0 | | 8.8 | 33.7 | 43.3 | | 9.3 | 42.3 | 46.5 | | 9.4 | 17 20.0 | 43.8 | |
| | + | — | | | + | — | | | + | — | | | + | — | | | + | + | |
| 10 pr. | 19.86 | 0.57 | | 10 pr. | 19.76 | 0.36 | | 10 pr. | 19.72 | 0.18 | | 10 pr. | 19.70 | 0.01 | | 10 pr. | 19.71 | 0.17 | |

| m | 18ˢ | +39° | |
|---|---|---|---|
| | 3401—3460 | | |
| 9.3 | 17′ 46.7 | 26.9 | |
| 7.3 | 52.4 | 11.8 | K |
| 7.8 | 18 15.5 | 26.8 | K |
| 9.5 | 22.2 | 50.5 | |
| 9.0 | 29.4 | 38.9 | K |
| 9.2 | 55.9 | 55.8 | |
| 9.5 | 19 8.4 | 43.0 | |
| 9.5 | 8.6 | 8.2 | |
| 9.5 | 12.7 | 13.1 | |
| 5.1 | 27.2 | 25.8 | Gb |
| 9.5 | 42.2 | 52.0 | |
| 9.5 | 51.7 | 43.2 | |
| 9.3 | 20 46.8 | 42.7 | |
| 7.8 | 50.0 | 2.5 | G |
| 9.5 | 50.9 | 40.7 | |
| 9.4 | 21 2.1 | 53.3 | |
| 9.5 | 23.2 | 48.9 | |
| 9.4 | 48.3 | 58.3 | |
| 8.1 | 53.8 | 4.2 | K |
| 9.5 | 22 2.0 | 26.2 | |
| 9.5 | 12.5 | 1.9 | |
| 9.5 | 16.2 | 3.9 | |
| 8.8 | 28.9 | 15.3 | K |
| 9.5 | 29.0 | 38.6 | |
| 9.2 | 45.4 | 52.3 | |
| 9.5 | 59.5 | 5.4 | |
| 8.9 | 23 21.0 | 18.7 | K |
| 8.1 | 34.1 | 54.2 | Lb |
| 9.4 | 56.8 | 34.7 | |
| 8.5 | 24 20.9 | 40.9 | K |
| 8.3 | 49.0 | 50.4 | Kb |
| 9.5 | 49.4 | 56.1 | |
| 9.5 | 54.8 | 0.3 | |
| 9.4 | 25 3.5 | 33.6 | |
| 9.3 | 4.6 | 36.1 | |
| 9.0 | 9.1 | 45.0 | |
| 9.2 | 25.2 | 38.6 | |
| 8.2 | 46.8 | 24.5 | B |
| 9.5 | 26 2.4 | 4.4 | |
| 9.4 | 4.4 | 35.9 | |
| 9.4 | 15.8 | 30.5 | |
| 8.7 | 25.3 | 39.4 | K |
| 8.5 | 38.0 | 9.1 | K |
| 8.8 | 38.7 | 54.3 | |
| 8.4 | 43.0 | 47.6 | K |
| 9.5 | 51.6 | 20.4 | |
| 9.2 | 58.7 | 36.2 | |
| 9.4 | 27 0.5 | 39.4 | |
| 9.5 | 8.9 | 54.5 | |
| 8.8 | 23.1 | 11.3 | K |
| 9.4 | 29.2 | 46.1 | |
| 9.5 | 40.5 | 10.4 | |
| 9.4 | 28 25.1 | 52.9 | |
| 9.4 | 30.5 | 15.7 | B |
| 8.3 | 42.0 | 27.2 | K |
| 9.5 | 29 0.3 | 14.3 | |
| 9.3 | 7.6 | 2.5 | B |
| 9.4 | 29.0 | 11.9 | |
| 9.3 | 33.9 | 24.0 | |
| 9.5 | 38.2 | 2.1 | |
| | + | + | |
| 10pr. | 19.76 | 0.36 | |

| m | 18ˢ | +39° | |
|---|---|---|---|
| | 3461—3520 | | |
| 9.5 | 29′ 46.0 | 3.4 | |
| 8.5 | 30 1.1 | 33.6 | |
| 7.7 | 15.3 | 24.9 | K |
| 9.4 | 20.2 | 43.9 | B |
| 9.4 | 26.4 | 38.7 | |
| 8.4 | 31.5 | 10.8 | |
| 9.5 | 31 3.0 | 3.2 | |
| 9.0 | 10.7 | 58.5 | |
| 9.1 | 24.9 | 40.0 | K |
| 9.0 | 27.7 | 46.9 | K |
| 9.4 | 29.0 | 23.9 | |
| 9.3 | 49.4 | 59.7 | |
| 9.4 | 32 28.1 | 16.2 | |
| 9.3 | 33.9 | 20.9 | |
| 8.8 | 33 18.8 | 28.1 | |
| 6.5 | 19.2 | 32.8 | K |
| 9.5 | 31.7 | 46.1 | |
| 9.5 | 38.0 | 7.8 | |
| 7.8 | 42.6 | 17.7 | K |
| 8.7 | 56.0 | 39.7 | K |
| 9.5 | 34 16.0 | 0.4 | |
| 9.2 | 53.4 | 46.8 | |
| 8.5 | 54.5 | 18.6 | |
| 9.0 | 54.9 | 2.9 | |
| 7.7 | 58.3 | 59.1 | K |
| 8.8 | 35 3.9 | 6.6 | |
| 9.3 | 15.0 | 26.8 | |
| 9.4 | 29.2 | 1.8 | |
| 8.9 | 42.5 | 53.3 | |
| 9.4 | 36 12.1 | 46.6 | |
| 9.2 | 12.8 | 49.3 | |
| 9.2 | 22.2 | 33.1 | |
| 9.1 | 31.9 | 11.4 | Kb |
| 8.9 | 40.5 | 40.8 | |
| 9.1 | 46.4 | 56.8 | |
| 9.5 | 53.2 | 15.4 | |
| 9.1 | 37 5.0 | 53.2 | |
| 8.8 | 8.1 | 51.2 | |
| 9.3 | 14.8 | 3.3 | |
| 9.4 | 30.4 | 48.4 | |
| 9.5 | 49.1 | 33.5 | |
| 8.4 | 52.2 | 45.8 | |
| 9.0 | 38 1.0 | 47.5 | |
| 9.5 | 26.0 | 8.5 | |
| 6.5 | 27.0 | 9.5 | K |
| 9.2 | 42.4 | 26.8 | |
| 9.5 | 45.2 | 2.3 | |
| 9.5 | 56.3 | 56.3 | |
| 4.3 | 39 31.9 | 31.3 | K |
| 4.6 | 33.9 | 27.6 | K |
| 9.3 | 37.2 | 51.3 | |
| 9.4 | 40.0 | 29.6 | |
| 9.5 | 56.0 | 53.3 | |
| 8.5 | 56.6 | 45.4 | K |
| 9.3 | 40 12.7 | 42.4 | |
| 9.5 | 15.6 | 53.9 | |
| 8.2 | 20.0 | 3.9 | K |
| 8.5 | 22.0 | 21.9 | K |
| 9.5 | 27.8 | 10.3 | B |
| 9.5 | 34.0 | 55.8 | |
| | + | + | |
| 10pr. | 19.83 | 0.53 | |

| m | 18ˢ | +39° | |
|---|---|---|---|
| | 3521—3580 | | |
| 9.4 | 40′ 47.4 | 36.3 | |
| 9.5 | 48.9 | 6.9 | |
| 8.8 | 51.1 | 33.1 | K |
| 9.2 | 41 0.0 | 7.9 | K |
| 8.3 | 21.0 | 6.4 | K |
| 9.5 | 23.7 | 59.6 | |
| 9.3 | 23.9 | 36.0 | K |
| 9.5 | 47.6 | 59.1 | |
| 9.2 | 42 2.0 | 38.3 | K |
| 9.5 | 19.4 | 22.7 | |
| 9.1 | 29.0 | 58.8 | Kb |
| 9.4 | 33.5 | 53.9 | |
| 9.4 | 43 14.7 | 25.2 | |
| 9.5 | 16.4 | 19.5 | |
| 9.5 | 30.9 | 40.7 | |
| 9.4 | 32.8 | 30.9 | |
| 9.4 | 39.8 | 40.5 | |
| 9.0 | 41.1 | 33.3 | K |
| 7.9 | 44 7.0 | 53.5 | K |
| 9.4 | 10.7 | 3.9 | |
| 9.0 | 39.3 | 23.6 | |
| 9.2 | 42.1 | 51.3 | |
| 9.5 | 45 4.4 | 19.5 | |
| 9.5 | 21.2 | 22.2 | |
| 8.8 | 21.7 | 16.0 | |
| 8.9 | 22.5 | 52.8 | |
| 9.4 | 23.4 | 55.8 | |
| 9.5 | 45.3 | 18.5 | |
| 9.4 | 46.1 | 29.3 | |
| 9.3 | 48.3 | 43.9 | |
| 7.1 | 49.5 | 10.3 | K |
| 8.5 | 46 18.0 | 45.8 | |
| 6.7 | 36.0 | 8.8 | K |
| 9.5 | 47 13.7 | 45.7 | |
| 8.8 | 18.5 | 9.4 | K |
| 8.9 | 18.6 | 52.9 | |
| 8.5 | 21.0 | 16.6 | K |
| 8.5 | 24.9 | 15.4 | K |
| 8.8 | 30.5 | 59.7 | |
| 9.4 | 38.4 | 47.4 | |
| 9.0 | 53.7 | 45.2 | K |
| 9.5 | 48 10.3 | 32.8 | |
| 9.3 | 18.0 | 2.5 | |
| 9.4 | 21.0 | 58.3 | |
| 8.3 | 29.9 | 4.9 | |
| 9.5 | 31.4 | 53.8 | |
| 9.4 | 37.9 | 45.4 | |
| 9.5 | 55.7 | 28.1 | |
| 8.2 | 49 21.8 | 10.9 | K |
| 9.5 | 27.5 | 19.5 | |
| 9.5 | 35.0 | 48.4 | |
| 8.6 | 42.0 | 28.6 | K |
| 9.4 | 50 4.1 | 20.5 | |
| 8.9 | 23.0 | 29.6 | |
| 8.7 | 28.4 | 57.0 | B |
| 9.5 | 31.2 | 11.3 | |
| 8.1 | 33.0 | 57.2 | K |
| 9.1 | 35.3 | 38.1 | B |
| 9.4 | 35.7 | 33.0 | |
| 6.7 | 39.3 | 59.6 | K |
| | + | + | |
| 10pr. | 19.91 | 0.66 | |

| m | 18ˢ—19ˢ | +39° | |
|---|---|---|---|
| | 3581—3640 | | |
| 9.5 | 50′ 41.0 | 47.7 | |
| 9.5 | 45.2 | 0.0 | |
| 9.4 | 51 6.2 | 45.6 | |
| 9.2 | 9.6 | 58.2 | |
| 9.1 | 12.6 | 55.1 | |
| 9.5 | 21.9 | 55.3 | |
| 9.1 | 32.0 | 17.4 | b |
| 9.4 | 40.2 | 1.3 | |
| 9.4 | 57.1 | 57.8 | |
| 9.5 | 52 44.9 | 31.5 | |
| 9.5 | 53 3.5 | 53.8 | |
| 9.5 | 14.8 | 12.5 | |
| 6.8 | 28.8 | 26.6 | G |
| 8.5 | 29.0 | 6.1 | |
| 6.7 | 38.1 | 34.7 | G |
| 9.5 | 47.6 | 13.2 | |
| 9.5 | 53.7 | 8.1 | |
| 9.3 | 54 1.5 | 48.2 | |
| 9.1 | 7.6 | 46.2 | |
| 9.2 | 8.4 | 41.6 | |
| 9.4 | 12.8 | 50.9 | |
| 6.2 | 20.2 | 1.1 | K |
| 9.5 | 30.6 | 47.9 | |
| 8.3 | 55 5.3 | 32.9 | |
| 8.0 | 33.0 | 8.0 | K |
| 7.0 | 44.8 | 38.6 | K |
| 7.0 | 45.9 | 39.8 | K |
| 9.5 | 56 2.7 | 34.0 | |
| 9.1 | 3.8 | 42.2 | K |
| 9.4 | 16.9 | 16.7 | |
| 9.2 | 17.0 | 19.6 | K |
| 9.4 | 18.5 | 32.9 | |
| 9.5 | 52.6 | 38.8 | |
| 9.4 | 57 17.1 | 6.1 | |
| 9.5 | 25.4 | 57.3 | |
| 9.5 | 30.8 | 13.0 | |
| 9.3 | 39.0 | 1.4 | |
| 9.5 | 40.0 | 55.5 | |
| 9.5 | 58 1.4 | 56.0 | |
| 7.3 | 16.6 | 44.2 | K |
| 9.3 | 30.6 | 59.2 | |
| 9.0 | 31.5 | 55.4 | |
| 9.1 | 34.7 | 9.7 | K |
| 9.4 | 36.3 | 14.1 | B |
| 9.5 | 38.9 | 16.3 | |
| 9.5 | 39.5 | 10.5 | |
| 9.5 | 41.2 | 28.4 | |
| 7.8 | 49.8 | 42.2 | K |
| 9.5 | 59 2.4 | 51.4 | |
| 7.5 | 12.9 | 54.3 | Kb |
| 9.5 | 31.5 | 0.7 | |
| 9.5 | 0 8.6 | 56.2 | |
| 8.1 | 16.5 | 54.5 | K |
| 8.8 | 16.9 | 11.3 | |
| 9.2 | 32.1 | 53.7 | B |
| 8.6 | 38.3 | 22.6 | K |
| 9.5 | 46.5 | 31.5 | |
| 9.3 | 47.9 | 29.3 | |
| 8.8 | 55.4 | 16.9 | |
| 9.5 | 1 7.0 | 52.7 | B |
| | + | + | |
| 10pr. | 20.02 | 0.81 | |

| m | 19ˢ | +39° | |
|---|---|---|---|
| | 3641—3700 | | |
| 9.5 | 1′ 9.0 | 46.7 | |
| 9.4 | 33.5 | 8.5 | |
| 9.5 | 2 0.2 | 0.7 | |
| 9.5 | 8.8 | 55.2 | |
| 9.5 | 27.0 | 33.7 | |
| 9.5 | 35.4 | 50.1 | |
| 9.0 | 39.5 | 8.3 | |
| 9.4 | 3 1.3 | 32.9 | |
| 9.5 | 10.5 | 38.8 | |
| 9.4 | 33.7 | 52.0 | |
| 8.6 | 35.7 | 50.8 | K |
| 9.5 | 57.4 | 45.0 | |
| 9.5 | 58.1 | 50.2 | |
| 9.0 | 4 18.1 | 23.6 | K |
| 9.5 | 22.7 | 18.2 | |
| 9.4 | 42.6 | 15.2 | |
| 9.2 | 53.2 | 37.9 | |
| 9.3 | 59.8 | 19.8 | |
| 9.4 | 5 12.9 | 33.5 | |
| 9.4 | 13.4 | 53.9 | |
| 9.5 | 22.6 | 30.6 | |
| 9.5 | 28.9 | 39.3 | |
| 9.5 | 32.1 | 37.1 | |
| 9.4 | 33.1 | 58.5 | B |
| 9.5 | 47.0 | 58.6 | aB |
| 9.0 | 49.8 | 9.1 | |
| 9.5 | 57.4 | 50.8 | |
| 7.8 | 6 5.0 | 38.1 | R |
| 8.9 | 13.1 | 27.9 | |
| 9.5 | 15.3 | 45.7 | |
| 9.0 | 18.9 | 21.5 | |
| 9.5 | 19.4 | 45.6 | |
| 9.2 | 50.0 | 56.1 | |
| 9.3 | 56.1 | 18.8 | |
| 7.2 | 57.1 | 42.5 | L |
| 8.0 | 59.1 | 46.4 | L |
| 7.1 | 7 6.5 | 10.9 | K |
| 9.0 | 12.8 | 53.1 | |
| 9.0 | 31.7 | 30.2 | K |
| 8.9 | 39.8 | 53.1 | |
| 9.5 | 49.0 | 55.1 | |
| 7.8 | 49.6 | 15.2 | K |
| 8.3 | 8 3.7 | 24.2 | K |
| 9.5 | 20.8 | 38.6 | |
| 9.5 | 34.1 | 50.4 | |
| 8.4 | 37.2 | 59.8 | B |
| 9.5 | 43.9 | 48.4 | |
| 9.0 | 52.3 | 31.2 | K |
| 9.2 | 9 7.2 | 35.8 | K |
| 9.4 | 8.1 | 50.4 | |
| 9.5 | 11.9 | 21.7 | |
| 9.5 | 31.5 | 11.7 | |
| 8.0 | 32.2 | 24.2 | K |
| 9.5 | 33.4 | 50.2 | |
| 9.3 | 46.8 | 38.5 | |
| 9.5 | 47.2 | 3.1 | |
| 9.5 | 10 5.9 | 34.9 | |
| 9.4 | 10.4 | 26.5 | |
| 7.8 | 27.1 | 51.6 | K |
| 9.1 | 27.4 | 14.4 | b |
| | + | + | |
| 10pr. | 20.16 | 0.96 | |

| m | 19m | +39° | |
|---|---|---|---|
| | 3701—3760 | | |
| 9.5 | 10′ 39.2 | 4.9 | |
| 9.5 | 42.3 | 2.5 | |
| 9.3 | 48.0 | 42.7 | B |
| 9.5 | 52.0 | 45.0 | |
| 8.7 | 11 29.2 | 38.9 | B |
| 9.3 | 42.5 | 46.8 | |
| 9.4 | 51.5 | 35.9 | |
| 9.5 | 57.9 | 34.7 | |
| 9.5 | 12 18.0 | 45.2 | |
| 9.5 | 40.8 | 36.4 | |
| 9.4 | 57.5 | 26.6 | |
| 8.7 | 13 6.6 | 16.4 | K |
| 9.5 | 17.1 | 18.2 | |
| 9.5 | 19.2 | 58.0 | |
| 9.3 | 46.2 | 31.5 | |
| 9.4 | 50.1 | 50.6 | |
| 9.4 | 55.6 | 22.0 | |
| 9.1 | 55.6 | 4.3 | |
| 7.6 | 14 1.2 | 0.4 | K |
| 9.5 | 5.9 | 18.8 | |
| 8.8 | 9.4 | 18.7 | |
| 8.7 | 48.1 | 51.6 | Kb |
| 9.4 | 51.0 | 13.9 | |
| 9.5 | 15 8.3 | 2.4 | |
| 8.7 | 10.3 | 38.6 | K |
| 9.3 | 15.7 | 9.6 | |
| 9.4 | 18.6 | 5.2 | |
| 9.2 | 19.6 | 4.3 | |
| 9.4 | 22.8 | 23.9 | |
| 9.5 | 33.0 | 19.8 | |
| 6.5 | 33.9 | 39.4 | K |
| 8.8 | 40.6 | 31.0 | |
| 9.1 | 16 12.2 | 0.6 | K |
| 9.5 | 12.6 | 55.3 | |
| 9.5 | 23.2 | 16.8 | |
| 9.5 | 42.3 | 49.1 | |
| 9.3 | 55.2 | 33.6 | |
| 9.3 | 57.0 | 32.1 | |
| 8.9 | 57.4 | 57.1 | |
| 7.5 | 17 6.3 | 12.7 | K |
| 9.5 | 16.9 | 46.6 | |
| 9.2 | 17.1 | 32.7 | |
| 9.0 | 27.5 | 37.9 | |
| 9.5 | 35.2 | 47.4 | B |
| 9.5 | 41.2 | 47.3 | B |
| 9.3 | 48.7 | 23.0 | K |
| 9.5 | 52.8 | 38.5 | |
| 8.5 | 18 5.2 | 38.1 | K |
| 9.5 | 20.5 | 43.5 | |
| 7.5 | 50.8 | 32.4 | K |
| 6.3 | 50.9 | 18.3 | K |
| 9.0 | 19 4.2 | 41.0 | K |
| 9.2 | 16.2 | 0.4 | K |
| 9.4 | 16.7 | 3.4 | |
| 9.1 | 28.8 | 12.8 | |
| 9.5 | 32.1 | 46.2 | |
| 9.1 | 51.8 | 42.0 | K |
| 9.1 | 20 5.0 | 21.5 | |
| 9.3 | 18.4 | 11.0 | |
| 9.2 | 34.3 | 29.8 | B |
| 10pr. | 20.29 | 1.08 | |

| m | 19m | +39° | |
|---|---|---|---|
| | 3761—3820 | | |
| 9.5 | 20′ 46.5 | 43.4 | |
| 9.5 | 21 11.2 | 13.2 | |
| 9.2 | 23.3 | 45.9 | |
| 9.5 | 23.6 | 53.5 | |
| 9.4 | 37.6 | 16.4 | |
| 7.7 | 39.0 | 50.8 | B |
| 6.7 | 49.3 | 40.3 | G |
| 9.5 | 22 3.9 | 23.7 | |
| 9.5 | 44.9 | 21.8 | |
| 9.4 | 49.7 | 17.4 | |
| 8.7 | 52.6 | 30.0 | |
| 9.2 | 54.9 | 22.7 | |
| 9.3 | 55.3 | 11.0 | |
| 9.1 | 57.6 | 22.2 | |
| 9.4 | 58.4 | 37.1 | |
| 9.5 | 23 10.9 | 25.8 | |
| 7.0 | 42.8 | 38.5 | K |
| 9.4 | 55.5 | 30.8 | |
| 9.5 | 56.2 | 26.0 | |
| 9.3 | 59.4 | 20.8 | |
| 8.4 | 24 6.0 | 38.3 | K |
| 9.5 | 26.6 | 45.0 | |
| 8.9 | 50.7 | 18.2 | B |
| 8.5 | 51.0 | 28.1 | |
| 9.4 | 25 1.6 | 51.9 | B |
| 9.5 | 6.7 | 18.5 | |
| 9.2 | 6.9 | 54.1 | Kb |
| 9.2 | 8.4 | 5.3 | |
| 8.5 | 27.0 | 50.7 | K |
| 9.3 | 27.0 | 19.3 | |
| 9.4 | 32.0 | 28.0 | |
| 9.5 | 51.7 | 23.5 | |
| 8.8 | 56.4 | 43.2 | |
| 9.2 | 26 8.5 | 33.9 | |
| 9.2 | 38.0 | 13.7 | |
| 9.3 | 40.6 | 21.5 | |
| 9.3 | 43.3 | 18.8 | |
| 9.1 | 55.6 | 53.3 | |
| 9.1 | 27 1.2 | 4.5 | |
| 9.3 | 12.8 | 5.4 | |
| 9.5 | 16.2 | 44.8 | |
| 9.4 | 20.2 | 10.0 | |
| 8.4 | 23.2 | 0.2 | K |
| 9.5 | 32.1 | 41.4 | |
| 9.3 | 40.9 | 11.5 | |
| 9.4 | 43.2 | 17.1 | |
| 9.5 | 50.9 | 28.3 | |
| 9.5 | 53.6 | 58.9 | |
| 7.8 | 59.5 | 21.0 | K |
| 9.2 | 28 0.7 | 39.7 | |
| 9.5 | 4.5 | 51.1 | |
| 9.5 | 5.5 | 26.6 | |
| 9.5 | 13.7 | 3.1 | |
| 9.5 | 20.2 | 6.0 | |
| 9.5 | 22.8 | 19.5 | |
| 9.0 | 32.6 | 53.3 | K |
| 9.4 | 40.0 | 8.2 | |
| 7.3 | 46.0 | 24.8 | K |
| 9.5 | 58.1 | 7.1 | |
| 9.4 | 29 7.7 | 48.6 | |
| 10pr. | 20.46 | 1.22 | |

| m | 19m | +39° | |
|---|---|---|---|
| | 3821—3880 | | |
| 9.2 | 29′ 14.5 | 19.7 | |
| 9.0 | 53.2 | 7.8 | |
| 8.9 | 53.3 | 25.9 | B |
| 9.5 | 54.3 | 25.4 | |
| 9.0 | 30 3.4 | 26.7 | |
| 8.5 | 11.4 | 42.4 | K |
| 9.5 | 18.8 | 14.0 | |
| 9.2 | 32.6 | 32.5 | B |
| 9.5 | 39.2 | 48.1 | |
| 9.3 | 39.2 | 45.4 | |
| 7.9 | 39.2 | 42.3 | K |
| 9.0 | 40.4 | 44.4 | K |
| 9.4 | 41.0 | 36.6 | |
| 9.5 | 41.8 | 8.4 | |
| 9.4 | 44.8 | 32.0 | |
| 9.0 | 46.9 | 48.6 | |
| 8.2 | 31 8.2 | 0.9 | K |
| 9.5 | 10.4 | 18.6 | |
| 9.5 | 19.3 | 9.3 | |
| 9.5 | 33.4 | 41.1 | |
| 8.9 | 38.8 | 23.9 | |
| 9.4 | 32 3.6 | 29.1 | |
| 9.5 | 8.5 | 14.6 | |
| 8.0 | 11.8 | 53.5 | K |
| 9.2 | 13.6 | 21.9 | |
| 9.5 | 31.7 | 31.6 | |
| 9.5 | 38.7 | 22.9 | |
| 9.3 | 39.0 | 9.6 | |
| 9.5 | 44.5 | 14.2 | |
| 9.2 | 53.3 | 38.5 | b |
| 9.2 | 33 3.2 | 37.5 | |
| 9.3 | 14.7 | 20.3 | |
| 9.5 | 33.0 | 16.1 | |
| 9.5 | 36.2 | 43.0 | |
| 9.5 | 36.6 | 18.9 | |
| 9.5 | 37.7 | 59.9 | |
| 9.5 | 49.4 | 56.4 | |
| 9.2 | 54.9 | 49.8 | |
| 9.5 | 34 19.3 | 30.5 | B |
| 9.4 | 37.4 | 9.0 | |
| 9.5 | 38.0 | 19.5 | |
| 9.2 | 51.6 | 35.4 | |
| 9.3 | 35 1.8 | 34.1 | |
| 9.4 | 4.8 | 36.3 | |
| 8.7 | 6.7 | 0.9 | K |
| 9.4 | 8.2 | 24.7 | |
| 9.5 | 11.3 | 31.0 | |
| 8.9 | 15.5 | 20.7 | |
| 8.9 | 17.0 | 19.0 | |
| 9.2 | 44.2 | 57.3 | |
| 8.8 | 47.3 | 58.3 | B |
| 9.5 | 56.0 | 33.2 | |
| 9.0 | 36 4.4 | 30.5 | B |
| 9.5 | 12.5 | 36.8 | |
| 9.4 | 21.7 | 50.3 | |
| 6.9 | 41.2 | 41.0 | K |
| 9.5 | 53.2 | 35.9 | |
| 6.2 | 37 0.3 | 54.9 | Gb |
| 8.9 | 14.6 | 57.3 | G |
| 9.5 | 32.6 | 12.5 | |
| 10pr. | 20.60 | 1.32 | |

| m | 19m | +39° | |
|---|---|---|---|
| | 3881—3940 | | |
| 8.2 | 37′ 34.0 | 41.7 | K |
| 8.2 | 36.3 | 39.1 | K |
| 9.5 | 45.5 | 5.8 | |
| 9.1 | 47.7 | 48.3 | G |
| 6.8 | 38 6.6 | 38.8 | K |
| 9.5 | 31.2 | 3.8 | B |
| 9.2 | 38.5 | 24.9 | B |
| 7.7 | 44.1 | 23.7 | K |
| 9.4 | 47.5 | 32.1 | |
| 9.0 | 54.2 | 0.4 | |
| 8.9 | 39 0.8 | 36.3 | G |
| 9.4 | 20.2 | 39.2 | |
| 9.3 | 28.7 | 41.7 | |
| 9.1 | 42.8 | 28.5 | |
| 8.7 | 51.0 | 43.7 | G |
| 9.5 | 55.1 | 1.6 | |
| 8.6 | 40 8.9 | 35.1 | K |
| 8.9 | 20.6 | 56.0 | |
| 8.7 | 22.0 | 3.1 | B |
| 9.0 | 40.3 | 38.5 | K |
| 8.5 | 41.9 | 9.4 | |
| 8.7 | 50.1 | 44.1 | |
| 8.7 | 53.4 | 18.8 | |
| 9.3 | 54.0 | 26.5 | |
| 7.3 | 55.0 | 32.1 | K |
| 9.4 | 41 15.4 | 34.0 | |
| 8.8 | 29.2 | 2.0 | K |
| 7.7 | 33.8 | 9.4 | K |
| 9.2 | 41.3 | 48.1 | |
| 9.3 | 51.9 | 20.5 | B |
| 8.7 | 56.3 | 32.7 | B |
| 9.4 | 42 32.5 | 35.2 | |
| 9.4 | 33.8 | 31.6 | B |
| 9.5 | 38.8 | 33.1 | |
| 9.4 | 46.9 | 39.1 | |
| 9.5 | 49 9 | 13.9 | |
| 9.4 | 53.5 | 36.7 | |
| 9.5 | 43 26.2 | 0.9 | |
| 9.0 | 26.7 | 30.3 | K |
| 9.5 | 30.7 | 50.0 | |
| 8.7 | 34.2 | 4.3 | |
| 8.4 | 35.7 | 54.0 | B |
| 7.2 | 42.4 | 33.5 | K |
| 9.3 | 45.5 | 39.9 | |
| 8.8 | 44 35.8 | 16.9 | |
| 8.9 | 49.7 | 21.6 | |
| 9.5 | 51.3 | 52.3 | |
| 9.4 | 45 2.8 | 30.8 | |
| 9.4 | 8.1 | 32.8 | |
| 9.0 | 17.2 | 23.1 | |
| 9.3 | 46 1.4 | 41.3 | |
| 8.3 | 1.5 | 9.8 | K |
| 8.6 | 30.9 | 20.5 | |
| 8.1 | 32.0 | 10.3 | K |
| 8.8 | 40.7 | 40.9 | |
| 9.0 | 47.2 | 16.9 | |
| 9.5 | 47 6.4 | 55.8 | |
| 9.3 | 10.1 | 4.9 | |
| 9.5 | 14.8 | 9.7 | |
| 9.5 | 20.2 | 2.6 | |
| 10pr. | 20.77 | 1.43 | |

| m | 19m | +39° | |
|---|---|---|---|
| | 3941—4000 | | |
| 9.4 | 47′ 55.1 | 16.1 | B |
| 9.5 | 48 0.7 | 33.2 | |
| 8.4 | 7.8 | 5.4 | |
| 9.5 | 12.9 | 15.9 | |
| 8.5 | 16.8 | 9.3 | |
| 9.5 | 32.6 | 44.1 | |
| 9.3 | 37.8 | 50.5 | |
| 9.5 | 49.2 | 1.6 | |
| 9.5 | 56.0 | 0.9 | |
| 9.5 | 49 30.7 | 7.5 | |
| 9.5 | 34.2 | 1.4 | |
| 8.5 | 51.4 | 1.4 | K |
| 9.4 | 57.1 | 9.5 | |
| 9.5 | 58.5 | 10.6 | |
| 9.4 | 50 4.2 | 0.9 | |
| 9.5 | 11.3 | 4.8 | |
| 9.3 | 15.2 | 0.4 | |
| 9.3 | 24.9 | 11.6 | B |
| 6.8 | 37.3 | 48.1 | L |
| 8.9 | 45.5 | 58.2 | |
| 9.5 | 59.6 | 22.1 | |
| 9.3 | 51 34.0 | 51.7 | |
| 9.4 | 46.2 | 15.7 | |
| 9.2 | 49.5 | 47.8 | B |
| 8.6 | 52 0.5 | 32.1 | K |
| 9.2 | 8.2 | 59.2 | |
| 9.5 | 10.4 | 7.8 | |
| 5.8 | 11.0 | 58.8 | G |
| 8.7 | 13.3 | 16.1 | K |
| 9.3 | 20.8 | 8.0 | |
| 9.3 | 24.7 | 15.7 | K |
| 9.5 | 30.2 | 56.1 | |
| 9.5 | 36.6 | 56.4 | aB |
| 9.5 | 40.0 | 57.4 | |
| 9.4 | 42.6 | 13.3 | |
| 9.5 | 45.9 | 36.5 | B |
| 9.5 | 46.1 | 27.5 | |
| 9.5 | 48.5 | 5.8 | |
| 9.3 | 50.0 | 9.7 | |
| 9.5 | 52.3 | 36.3 | B |
| 9.5 | 57.9 | 44.3 | |
| 9.5 | 59.4 | 10.1 | |
| 8.7 | 53 3.4 | 0.9 | K |
| 8.9 | 16.5 | 49.1 | |
| 9.5 | 36.1 | 21.4 | |
| 9.4 | 59.5 | 18.7 | |
| 9.4 | 54 15.6 | 55.8 | |
| 9.4 | 20.3 | 28.3 | B |
| 9.5 | 21.2 | 8.1 | |
| 8.5 | 46.3 | 8.1 | K |
| 9.5 | 49.8 | 55.1 | |
| 9.5 | 50.0 | 45.6 | |
| 9.5 | 55 5.0 | 0.0 | B |
| 9.3 | 11.6 | 42.7 | |
| 9.0 | 24.1 | 22.2 | |
| 9.4 | 27.4 | 27.6 | |
| 9.3 | 32.7 | 46.8 | |
| 9.0 | 39.6 | 2.3 | K |
| 9.2 | 42.5 | 25.4 | |
| 9.4 | 46.7 | 14.6 | |
| 10pr. | 20.99 | 1.57 | |

| 4001—4060 | | | | | 4061—4120 | | | | | 4121—4180 | | | | | 4181—4240 | | | | | 4241—4300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵃ—20ᵃ | +39° | | | | 20ᵃ | +39° | | | | 20ᵃ | +39° | | | | 20ᵃ | +39° | | | | 20ᵃ | +39° | |
| m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | | | m | ′ ″ | ′ | |
| 9.3 | 55 47.8 | 26.7 | | | 9.0 | 4 28.2 | 43.0 | | | 9.2 | 12 52.2 | 29.5 | | | 8.6 | 20 26.9 | 31.9 | | | 9.4 | 28 59.0 | 20.3 | |
| 9.5 | 51.6 | 32.4 | | | 9.4 | 50.6 | 56.3 | | | 9.1 | 54.0 | 38.7 | | | 9.2 | 29.1 | 5.6 | | | 9.4 | 29 20.0 | 58.7 | |
| 8.5 | 59.9 | 8.2 | K | | 9.5 | 5 24.6 | 59.7 | | | 9.5 | 55.5 | 48.5 | | | 9.2 | 30.0 | 35.3 | | | 9.5 | 25.6 | 18.3 | |
| 9.3 | 56 1.3 | 15.9 | | | 9.4 | 26.9 | 18.6 | | | 8.7 | 58.2 | 7.2 | | | 8.9 | 32.3 | 9.3 | | | 8.5 | 33.0 | 23.7 | |
| 8.9 | 18.4 | 56.8 | | | 9.5 | 33.1 | 34.5 | | | 8.5 | 13 2.0 | 40.2 | | | 9.4 | 38.1 | 40.0 | | | 9.5 | 39.8 | 58.6 | |
| 9.5 | 22.4 | 8.7 | | | 9.5 | 33.2 | 24.8 | | | 9.0 | 3.2 | 25.8 | | | 7.3 | 51.2 | 55.5 | G | | 8.8 | 55.7 | 24.1 | Kb |
| 7.8 | 24.2 | 53.9 | K | | 9.0 | 34.7 | 52.0 | | | 9.0 | 9.6 | 22.9 | | | 9.3 | 55 7 | 42.7 | | | 9.5 | 30 0.5 | 7.7 | |
| 9.1 | 27.9 | 24.6 | | | 8.5 | 47.4 | 50.8 | | | 8.6 | 13.0 | 56.3 | K | | 9.2 | 56.1 | 3.4 | | | 9.5 | 14.1 | 47.8 | |
| 9.3 | 42.3 | 44.8 | | | 9.3 | 49.6 | 4.1 | | | 8.6 | 19.8 | 9.2 | | | 9.3 | 21 5.5 | 11.4 | | | 9.2 | 16.2 | 31.2 | |
| 9.2 | 50.2 | 6.0 | K | | 8.6 | 58.0 | 18.0 | | | 8.0 | 28.7 | 46.5 | R | | 9.5 | 8.3 | 45.7 | | | 9.5 | 40.1 | 31.2 | |
| 8.7 | 52.9 | 53.2 | Kb | | 9.4 | 6 2.9 | 52.6 | | | 9.5 | 36.8 | 0.6 | | | 9.4 | 23.8 | 59.7 | | | 9.4 | 31 11.2 | 40.1 | |
| 9.4 | 57 13.5 | 30.5 | | | 9.2 | 6.5 | 51.4 | | | 9.3 | 39.9 | 17.8 | K | | 7.2 | 26.1 | 1.4 | K | | 7.9 | 18.9 | 58.6 | Kb |
| 9.5 | 16.8 | 55.0 | | | 9.4 | 37.9 | 54.4 | | | 9.4 | 42.6 | 30.8 | | | 7.7 | 30.4 | 52.3 | K | | 8.5 | 51.9 | 17.7 | |
| 9.5 | 24.8 | 17.0 | | | 9.5 | 38.3 | 10.5 | | | 9.5 | 58.1 | 10.6 | | | 9.2 | 52.7 | 43.2 | | | 8.3 | 32 4.4 | 18.0 | |
| 8.9 | 34.1 | 4.5 | G | | 6.8 | 39.9 | 53.9 | G | | 9.3 | 14 17.1 | 59.9 | | | 8.5 | 53.4 | 34.5 | K | | 9.5 | 14.1 | 18.1 | |
| 9.4 | 50.7 | 41.3 | | | 9.5 | 45.7 | 34.5 | | | 9.5 | 23.9 | 27.3 | | | 7.7 | 22 7.0 | 15.4 | B | | 9.1 | 17.1 | 31.0 | |
| 7.5 | 56.3 | 46.0 | G | | 9.4 | 48.3 | 31.0 | | | 9.0 | 40.7 | 5.6 | K | | 9.1 | 25.1 | 23.0 | K | | 9.0 | 19.8 | 6.5 | K |
| 9.5 | 58 10.7 | 14.4 | | | 9.5 | 56.3 | 29.8 | | | 8.7 | 44.7 | 10.3 | K | | 9.5 | 25.6 | 3.2 | | | 9.5 | 34.5 | 35.2 | |
| 9.5 | 13.7 | 55.2 | | | 8.6 | 7 13.3 | 30.5 | | | 9.5 | 49.7 | 15.4 | | | 9.1 | 28.5 | 0.8 | | | 9.5 | 50.1 | 51.8 | |
| 8.0 | 20.2 | 52.2 | Gb | | 8.3 | 13.5 | 17.9 | | | 8.8 | 15 10.3 | 10.3 | K | | 9.2 | 29.5 | 20.4 | K | | 8.0 | 51.0 | 2.2 | K |
| 9.5 | 31.5 | 30.2 | | | 9.1 | 24.4 | 51.9 | | | 9.5 | 19.2 | 24.4 | | | 9.5 | 47.4 | 28.7 | | | 9.0 | 51.3 | 10.9 | K |
| 9.4 | 56.6 | 32.4 | | | 7.5 | 25.3 | 49.9 | G | | 9.5 | 20.5 | 40.2 | | | 9.5 | 58.9 | 55.2 | | | 9.5 | 33 5.5 | 9.2 | |
| 9.4 | 59 17.8 | 47.5 | | | 9.5 | 38.8 | 57.9 | | | 9.5 | 22.2 | 6.0 | | | 9.4 | 23 2.4 | 36.5 | | | 9.3 | 9.7 | 39.5 | |
| 9.5 | 28.5 | 52.5 | | | 9.2 | 46.6 | 21.2 | | | 9.1 | 34.3 | 9.2 | K | | 9.5 | 4.0 | 35.5 | | | 9.4 | 10.4 | 54.0 | |
| 9.5 | 33.5 | 10.6 | | | 9.0 | 48.9 | 2.6 | | | 8.9 | 39.9 | 0.7 | K | | 9.5 | 23.2 | 8.1 | | | 9.5 | 11.6 | 35.0 | |
| 9.5 | 42.4 | 28.9 | | | 9.0 | 49.9 | 27.5 | | | 9.2 | 42.7 | 44.9 | | | 8.8 | 28.3 | 27.9 | | | 9.0 | 17.4 | 55.0 | |
| 8.8 | 0 8.6 | 1.9 | Kb | | 9.5 | 50.0 | 41.2 | | | 9.5 | 52.2 | 25.2 | | | 9.4 | 33.4 | 52.4 | | | 9.3 | 40.3 | 46.7 | |
| 8.7 | 10.4 | 47.1 | | | 9.5 | 8 6.9 | 31.7 | | | 8.4 | 16 1.2 | 8.6 | K | | *var* | 34.3 | 29.9 | | | 9.5 | 41.6 | 6.7 | |
| 9.5 | 25.5 | 10.6 | | | 9.4 | 19.0 | 15.2 | | | 9.3 | 10.7 | 25.2 | | | 8.9 | 47.0 | 36.9 | | | 9.5 | 51.0 | 49.7 | |
| 9.5 | 26.5 | 14.0 | | | 9.5 | 27.3 | 26.6 | | | 9.5 | 11.6 | 20.6 | | | 8.0 | 24 8.5 | 37.0 | G | | 9.4 | 34 16.7 | 7.8 | |
| 9.0 | 35.7 | 34.4 | | | 9.3 | 33.1 | 5.6 | | | 9.0 | 19.1 | 21.8 | R | | 9.5 | 19.7 | 14.5 | | | 9.5 | 43.2 | 57.4 | |
| 9.5 | 45.4 | 46.7 | | | 9.5 | 35.0 | 27.8 | | | 8.8 | 24.8 | 59.1 | | | 8.9 | 28.3 | 10.1 | K | | 9.0 | 53.0 | 27.3 | |
| 8.2 | 54.0 | 38.8 | G | | 9.5 | 9 0.5 | 29.6 | | | 9.3 | 31.0 | 54.9 | | | 8.4 | 39.9 | 52.9 | | | 8.5 | 59.1 | 32.2 | |
| 9.5 | 1 21.3 | 46.3 | | | 9.2 | 5.4 | 32.9 | | | 8.9 | 32.2 | 43.1 | | | 8.8 | 41.2 | 5.6 | K | | 9.3 | 35 9.4 | 6.5 | |
| 8.9 | 31.5 | 49.0 | | | 9.5 | 6.7 | 43.5 | | | 9.5 | 38.5 | 50.7 | | | 9.5 | 52.5 | 37.7 | | | 9.3 | 9.9 | 7.7 | |
| 9.0 | 38.6 | 0.8 | | | 8.1 | 17.4 | 53.1 | K | | 8.8 | 48.1 | 22.5 | | | 9.5 | 25 6.6 | 32.9 | | | 9.2 | 24.3 | 39.8 | |
| 9.5 | 45.6 | 13.5 | | | 8.6 | 24.6 | 56.8 | K | | 8.3 | 55.7 | 59.3 | | | 8.6 | 26.4 | 33.4 | K | | 8.3 | 39.5 | 47.5 | |
| 9.5 | 48.0 | 39.2 | | | 9.5 | 46.3 | 30.8 | | | 9.3 | 57.9 | 15.4 | | | 9.5 | 47.1 | 36.1 | | | 9.5 | 36 7.4 | 3.8 | |
| 9.2 | 2 2.8 | 36.2 | | | 9.4 | 52.5 | 18.6 | | | 2.8 | 17 2.2 | 47.5 | S | | 7.2 | 47.9 | 56.3 | K | | 9.4 | 10.7 | 18.9 | |
| 9.5 | 7.8 | 16.7 | | | 9.3 | 54.1 | 3.4 | | | 9.3 | 23.6 | 30.1 | | | 8.9 | 54.8 | 29.6 | K | | 7.8 | 29.8 | 0.2 | K |
| 9.5 | 20.6 | 51.2 | | | 9.5 | 10 1.8 | 46.9 | | | 9.5 | 43.6 | 59.4 | | | 7.4 | 26 8.5 | 27.0 | K | | 9.5 | 30.4 | 25.4 | |
| 9.0 | 27.4 | 10.0 | | | 8.6 | 4.0 | 38.8 | | | 9.3 | 18 10.1 | 41.3 | | | 9.5 | 8.7 | 34.6 | | | 9.5 | 30.8 | 22.7 | |
| 9.2 | 30.1 | 40.9 | | | 8.5 | 4.6 | 15.1 | | | 9.0 | 23.3 | 10.8 | | | 9.2 | 18.6 | 23.2 | K | | 9.0 | 40.4 | 43.7 | |
| 9.3 | 34.8 | 45.1 | | | 9.1 | 7.3 | 10.9 | | | 9.5 | 37.8 | 36.6 | | | 9.1 | 49.6 | 33.3 | | | 9.5 | 45.4 | 44.9 | |
| 9.5 | 38.8 | 17.7 | | | 9.3 | 17.5 | 17.6 | | | 9.4 | 45.5 | 39.4 | | | 8.9 | 55.9 | 14.4 | | | 9.2 | 52.0 | 28.9 | |
| 9.5 | 50.0 | 39.4 | | | 9.4 | 24.3 | 10.5 | | | 8.1 | 46.6 | 4.5 | B | | 9.5 | 27 25.4 | 30.9 | | | 9.5 | 56.8 | 1.2 | |
| 9.4 | 52.5 | 30.5 | | | 9.2 | 45.9 | 31.2 | | | 8.6 | 50.9 | 52.4 | | | 8.9 | 26.0 | 35.2 | | | 9.5 | 37 2.7 | 57.3 | |
| 9.5 | 53.6 | 1.0 | | | 9.3 | 52.3 | 55.8 | | | 9.5 | 19 7.0 | 17.7 | | | 9.5 | 27.1 | 25.0 | | | 9.5 | 15.7 | 15.6 | |
| 8.3 | 58.0 | 19.7 | K | | 9.5 | 11 13.5 | 8.7 | | | 9.3 | 11.1 | 21.3 | | | 8.9 | 27.8 | 38.6 | | | 9.5 | 29.3 | 2.5 | |
| 9.5 | 59.5 | 30.5 | | | 9.5 | 15.5 | 29.4 | | | 8.8 | 18.0 | 12.1 | | | 8.9 | 40.0 | 59.5 | | | 9.1 | 53.7 | 54.4 | |
| 8.7 | 3 9.6 | 56.9 | G | | 9.3 | 25.1 | 42.8 | | | 9.2 | 30.0 | 37.2 | | | 9.2 | 47.1 | 3.1 | | | 9.4 | 59.8 | 59.0 | |
| 8.7 | 13.5 | 59.9 | | | 9.2 | 26.3 | 10.5 | | | 7.5 | 35.1 | 40.8 | G | | 7.9 | 48.8 | 22.5 | B | | 9.5 | 38 1.6 | 11.4 | |
| 9.2 | 19.0 | 2.4 | | | 7.5 | 34.5 | 14.7 | K | | 9.4 | 37.2 | 7.7 | | | 9.5 | 48.6 | 4.6 | | | 8.0 | 15.6 | 52.4 | Lb |
| 7.0 | 39.1 | 22.5 | K | | 5.4 | 45.4 | 54.9 | G | | 8.5 | 43.1 | 22.3 | | | 9.0 | 50.7 | 48.0 | | | 9.3 | 20.0 | 47.8 | |
| 9.4 | 47.8 | 58.6 | | | 6.9 | 12 11.7 | 8.3 | K | | 9.2 | 45.5 | 37.7 | | | 8.9 | 55.5 | 57.6 | | | 8.4 | 24.7 | 17.8 | K |
| 8.4 | 51.3 | 46.1 | K | | 9.4 | 13.0 | 27.5 | | | 8.0 | 20 0.4 | 32.8 | | | 9.5 | 55.8 | 58.2 | | | 8.3 | 30.2 | 57.3 | |
| 9.5 | 4 8.9 | 0.5 | | | 9.3 | 37.6 | 34.7 | | | 9.1 | 8.9 | 44.7 | | | 9.5 | 28 18.0 | 19.2 | | | 9.4 | 50.6 | 11.5 | |
| 9.4 | 11.4 | 13.3 | | | 8.7 | 37.8 | 28.0 | | | 7.5 | 12.9 | 19.3 | B | | 9.0 | 28.2 | 26.8 | R | | 8.2 | 59.6 | 13.5 | K |
| 8.6 | 15.3 | 9.3 | K | | 8.9 | 45.1 | 2.2 | | | 9.4 | 15.8 | 55.6 | | | 8.7 | 39.4 | 36.3 | | | 9.4 | 39 3.7 | 57.2 | |
| 9.3 | 25.5 | 19.4 | | | 9.5 | 46.1 | 42.5 | | | 7.6 | 16.5 | 37.4 | G | | 9.2 | 42.1 | 9.6 | | | 9.3 | 23.7 | 54.2 | |
| | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr:* | 21.18 | 1.68 | | | *10 pr:* | 21.38 | 1.78 | | | *10 pr:* | 21.59 | 1.88 | | | *10 pr:* | 21.81 | 1.97 | | | *10 pr:* | 22.11 | 2.08 | |

| 4301—4360 | | | | | 4361—4420 | | | | | 4421—4480 | | | | | 4481—4540 | | | | | 4541—4600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵐ | | +39° | | | 20ᵐ | | +39° | | | 20ᵐ—21ᵐ | | +39° | | | 21ᵐ | | +39° | | | 21ᵐ | | +39° | |
| m | | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.4 | 39 | 26.6 | 14.2 | | 9.5 | 49 | 0.4 | 32.1 | | 8.0 | 57 | 45.3 | 40.3 | K | 9.5 | 7 | 15.7 | 57.4 | | 9.5 | 17 | 50.1 | 51.6 | |
| 8.8 | | 35.6 | 53.0 | | 9.3 | | 10.5 | 11.2 | | 9.4 | 58 | 40.6 | 50.9 | | 8.7 | | 29.4 | 5.9 | | 6.8 | | 53.2 | 24.4 | L |
| 9.0 | | 44.7 | 54.5 | | 9.5 | | 24.7 | 59.9 | | 9.5 | | 42.9 | 23.7 | | 8.6 | | 44.3 | 51.6 | Kb | 9.5 | 18 | 5.7 | 57.6 | |
| 9.5 | | 45.4 | 4.7 | | 9.1 | | 27.5 | 8.0 | | 9.5 | | 58.6 | 11.6 | | 9.5 | | 48.4 | 29.0 | | 9.5 | | 27.3 | 24.9 | |
| 9.5 | | 55.1 | 38.3 | | 9.2 | | 28.5 | 48.3 | | 9.5 | 59 | 9.9 | 24.9 | | 9.5 | 8 | 12.3 | 52.1 | | 9.5 | | 41.6 | 26.1 | |
| 9.1 | 40 | 7.6 | 13.1 | K | 9.5 | | 39.3 | 1.5 | | 9.5 | | 24.1 | 34.0 | | 9.1 | | 19.1 | 33.8 | K | 8.7 | | 47.5 | 9.8 | K |
| 9.3 | | 12.4 | 42.5 | | 9.4 | | 41.4 | 16.0 | | 8.6 | | 29.4 | 46.0 | K | 8.9 | | 30.7 | 22.6 | | 9.5 | 19 | 21.0 | 11.8 | |
| 8.9 | | 13.1 | 53.1 | | 7.2 | | 55.4 | 45.0 | L | 8.6 | | 34.6 | 50.7 | K | 9.4 | | 50.9 | 46.8 | | 9.5 | | 25.9 | 7.5 | |
| 9.5 | | 33.9 | 24.0 | | 9.4 | | 59.0 | 26.2 | | 9.3 | | 53.6 | 57.4 | | 9.4 | | 56.2 | 8.8 | | 9.5 | | 29.3 | 33.0 | |
| 9.5 | | 38.0 | 27.2 | | 9.0 | 50 | 7.1 | 33.6 | | 9.5 | | 59.9 | 23.0 | | 8.8 | 9 | 14.1 | 4.6 | K | 9.5 | | 32.1 | 43.8 | |
| 9.5 | | 52.3 | 38.6 | | 8.5 | | 7.4 | 3.9 | K | 9.5 | 0 | 3.8 | 31.4 | | 9.4 | | 22.7 | 30.2 | | 9.5 | | 45.0 | 22.5 | B |
| 9.1 | 41 | 7.5 | 48.0 | | 9.4 | | 8.5 | 48.4 | | 9.5 | | 15.4 | 37.7 | | 9.5 | | 31.5 | 13.9 | | 9.1 | | 56.5 | 9.7 | |
| 9.5 | | 8.9 | 23.8 | | 9.5 | | 36.8 | 22.4 | | 9.5 | | 16.8 | 5.7 | | 9.1 | | 41.1 | 39.8 | | 9.5 | 20 | 11.4 | 21.2 | |
| 8.5 | | 12.6 | 11.5 | K | 9.5 | 51 | 6.4 | 45.6 | | 9.1 | | 23.7 | 42.5 | | 9.0 | | 44.7 | 26.5 | | 9.5 | | 18.1 | 16.2 | |
| 9.3 | | 37.4 | 44.8 | | 9.5 | | 11.3 | 40.4 | | 9.3 | | 31.9 | 26.0 | | 8.8 | | 59.3 | 7.3 | | 9.5 | | 25.5 | 29.5 | |
| 9.1 | | 42.3 | 40.6 | | 9.4 | | 25.6 | 56.0 | | 9.5 | | 59.5 | 1.0 | | 9.5 | 10 | 0.7 | 45.8 | | 9.3 | | 28.9 | 42.8 | |
| 9.2 | | 48.1 | 33.9 | | 9.5 | | 26.6 | 12.2 | | 9.5 | 1 | 12.5 | 0.3 | | 9.4 | | 22.4 | 52.5 | | 9.1 | | 32.9 | 7.5 | |
| 9.1 | 42 | 2.6 | 14.1 | | 9.1 | | 36.9 | 0.8 | | 8.7 | | 16.0 | 28.5 | | 9.2 | | 32.8 | 57.0 | | 8.5 | 21 | 9.1 | 57.1 | |
| 9.5 | | 9.4 | 9.7 | | 9.0 | | 52.2 | 37.1 | | 9.5 | | 16.7 | 46.0 | | 9.2 | | 46.1 | 51.5 | | 8.0 | | 9.3 | 1.8 | L |
| 9.5 | | 9.5 | 44.2 | | 9.1 | | 55.6 | 53.4 | | 8.3 | | 18.8 | 44.0 | | 9.5 | | 47.7 | 31.7 | | 9.3 | | 22.0 | 15.7 | |
| 9.1 | | 25.5 | 49.8 | | 8.8 | 52 | 3.0 | 28.7 | | 9.0 | | 34.2 | 52.2 | | 9.5 | | 50.4 | 23.1 | | 9.5 | | 26.8 | 18.9 | |
| 9.0 | | 37.5 | 48.1 | | 7.0 | | 4.8 | 6.3 | G | 9.5 | | 43.7 | 23.4 | | 9.3 | | 54.0 | 35.4 | | 9.1 | | 34.5 | 45.3 | |
| 8.6 | | 39.8 | 22.4 | | 8.9 | | 11.6 | 11.8 | | 9.5 | 2 | 0.7 | 4.1 | | 9.2 | | 57.5 | 21.6 | | 9.4 | | 51.6 | 39.6 | |
| 9.5 | | 42.0 | 15.1 | | 8.7 | | 11.8 | 9.3 | B | 9.4 | | 18.3 | 53.3 | | 9.1 | 11 | 7.8 | 42.6 | | 9.0 | 22 | 1.8 | 26.8 | |
| 9.4 | | 51.4 | 46.3 | | 8.5 | | 15.1 | 33.4 | L | 9.4 | | 35.2 | 51.7 | R | 9.4 | | 18.0 | 33.0 | | 9.3 | | 4.4 | 35.0 | |
| 9.3 | | 58.8 | 48.5 | | 7.7 | | 26.4 | 43.0 | G | 9.5 | | 35.4 | 25.3 | | 9.0 | | 21.0 | 43.3 | | 9.5 | | 52.1 | 39.9 | |
| 9.1 | 43 | 0.1 | 34.5 | | 9.5 | | 43.2 | 26.9 | | 8.1 | | 45.3 | 5.0 | Kb | 8.8 | | 25.3 | 24.8 | | 7.9 | 23 | 12.0 | 45.1 | K |
| 9.5 | | 24.0 | 54.9 | | 9.4 | | 45.7 | 18.8 | | 9.4 | | 54.2 | 28.3 | B | 9.4 | | 29.3 | 56.0 | | 8.0 | | 14.9 | 50.2 | B |
| 9.4 | | 27.4 | 7.3 | | 8.2 | 53 | 19.0 | 56.7 | B | 9.5 | | 56.6 | 41.1 | | 9.5 | | 53.6 | 41.9 | | 9.5 | | 17.2 | 48.7 | |
| 9.5 | | 33.7 | 55.9 | | 9.5 | | 19.7 | 23.5 | | 9.5 | | 57.4 | 36.9 | | 7.5 | | 56.1 | 8.5 | S | 7.5 | | 20.3 | 40.3 | K |
| 7.3 | | 34.6 | 15.1 | S | 8.9 | | 23.1 | 18.8 | | 9.5 | 3 | 16.5 | 8.8 | | 9.4 | | 59.6 | 57.7 | | 9.5 | | 27.3 | 38.3 | |
| 9.1 | | 46.0 | 30.2 | | 9.5 | | 39.6 | 12.2 | | 9.4 | | 21.4 | 36.7 | | 9.5 | 12 | 3.3 | 40.5 | | 9.5 | | 28.7 | 18.7 | |
| 9.3 | | 46.7 | 37.1 | | 9.4 | | 41.6 | 8.5 | | 9.2 | | 27.6 | 39.9 | | 9.5 | | 9.2 | 31.8 | | 9.4 | | 30.6 | 50.2 | B |
| 9.1 | 44 | 25.3 | 39.6 | | 8.5 | | 42.0 | 29.7 | L | 9.5 | | 38.8 | 43.6 | | 9.2 | | 14.3 | 58.0 | | 9.5 | | 49.4 | 27.7 | |
| 9.4 | | 26.8 | 21.3 | | 9.5 | | 56.3 | 1.0 | | 9.4 | | 47.0 | 48.3 | | 8.9 | | 29.7 | 50.0 | K | 9.5 | 24 | 3.9 | 25.9 | |
| 8.2 | | 32.0 | 29.9 | K | 9.5 | | 56.4 | 36.2 | | 9.4 | | 49.4 | 15.1 | | 9.5 | | 33.6 | 41.6 | | 9.0 | | 40.7 | 34.1 | |
| 9.2 | | 32.9 | 25.7 | | 9.5 | 54 | 3.6 | 57.5 | | 9.1 | | 52.2 | 45.6 | | 9.1 | | 41.7 | 37.9 | K | 8.9 | | 47.1 | 12.1 | |
| 9.5 | | 37.8 | 20.0 | | 9.5 | | 10.2 | 19.7 | | 9.3 | | 53.7 | 15.7 | | 9.4 | | 52.0 | 15.9 | | 9.5 | 25 | 9.0 | 19.5 | |
| 9.5 | | 43.2 | 58.7 | | 9.3 | | 16.3 | 39.3 | | 9.5 | | 58.2 | 35.8 | | 6.8 | 13 | 19.1 | 8.3 | K | 7.1 | | 36.6 | 25.7 | K |
| 9.5 | | 50.0 | 3.2 | | 6.8 | | 22.3 | 41.0 | K | 9.5 | | 58.5 | 55.5 | | 9.5 | | 25.9 | 54.7 | | 9.3 | | 50.1 | 9.3 | |
| 9.5 | 45 | 1.6 | 51.4 | | 9.1 | | 33.2 | 38.4 | | 8.4 | | 58.8 | 34.5 | | 8.2 | | 49.2 | 51.8 | K | 9.0 | 26 | 15.2 | 10.6 | |
| 9.5 | | 3.5 | 48.2 | | 9.5 | | 42.0 | 52.9 | | 9.5 | 4 | 14.9 | 26.5 | | 8.3 | | 53.1 | 39.7 | K | 9.4 | | 35.9 | 23.3 | |
| 9.5 | | 30.2 | 40.8 | | 8.0 | | 59.4 | 46.1 | K | 8.9 | | 16.4 | 36.8 | | 9.5 | | 58.1 | 12.3 | | 9.4 | | 40.0 | 43.3 | |
| 9.1 | | 30.8 | 22.0 | | 9.5 | 55 | 14.4 | 5.8 | | 9.5 | | 18.7 | 42.5 | | 9.5 | 14 | 16.2 | 12.8 | | 9.2 | | 40.3 | 28.8 | |
| 9.5 | | 38.4 | 4.2 | | 9.0 | | 15.6 | 53.7 | | 9.5 | | 21.0 | 59.0 | | 9.4 | | 47.0 | 19.7 | | 9.4 | | 45.2 | 1.1 | |
| 8.0 | | 56.4 | 6.4 | K | 9.5 | | 20.6 | 59.3 | | 8.8 | | 25.2 | 12.9 | | 9.4 | 15 | 4.6 | 10.3 | | 9.0 | | 51.9 | 9.8 | K |
| 8.7 | | 57.9 | 26.2 | | 9.0 | | 22.6 | 14.9 | K | 9.5 | | 27.0 | 28.7 | | 8.8 | | 4.8 | 38.5 | | 9.1 | 27 | 4.0 | 58.0 | |
| 9.5 | | 59.0 | 9.9 | | 8.0 | | 26.9 | 25.0 | K | 9.1 | | 33.3 | 53.6 | Kb | 8.3 | | 16.3 | 25.2 | | 8.5 | | 4.9 | 35.2 | |
| 9.4 | 46 | 19.3 | 38.6 | | 9.5 | | 51.1 | 34.6 | | 8.6 | | 53.7 | 56.4 | K | 6.5 | | 21.8 | 44.4 | L | 7.7 | | 8.8 | 46.6 | L |
| 8.7 | | 39.9 | 25.3 | | 9.1 | 56 | 6.4 | 43.5 | K | 9.5 | | 54.5 | 51.9 | | 9.5 | | 26.8 | 56.1 | B | 8.8 | | 11.1 | 49.8 | |
| 9.5 | | 46.5 | 47.5 | | 9.5 | | 8.6 | 38.6 | | 9.2 | | 54.9 | 45.3 | | 9.5 | | 30.6 | 54.1 | | 9.5 | | 17.7 | 13.2 | |
| 9.5 | 47 | 24.1 | 33.7 | | 9.3 | | 16.5 | 48.5 | | 9.5 | 5 | 24.4 | 36.4 | | 9.5 | | 32.1 | 25.4 | | 9.5 | | 29.4 | 53.0 | |
| 9.5 | | 39.6 | 51.0 | | 7.7 | | 24.4 | 44.3 | K | 9.4 | | 24.4 | 57.7 | | 9.5 | | 34.1 | 12.0 | | 9.0 | | 34.9 | 46.6 | |
| 8.5 | | 47.5 | 47.0 | K | 9.1 | | 53.1 | 34.4 | | 8.5 | | 37.6 | 50.0 | K | 9.5 | | 56.3 | 32.7 | | 9.0 | | 49.6 | 18.2 | |
| 9.5 | | 59.7 | 48.3 | | 9.5 | | 57.2 | 54.9 | | 8.3 | 6 | 0.9 | 26.8 | | 9.4 | 16 | 25.9 | 23.3 | | 9.5 | 28 | 4.8 | 23.4 | |
| 9.2 | 48 | 7.1 | 32.9 | | 9.5 | 57 | 20.1 | 11.3 | | 9.5 | | 8.3 | 53.7 | | 9.4 | | 32.2 | 16.6 | Kb | 8.6 | | 22.9 | 11.3 | |
| 9.5 | | 13.3 | 2.6 | | 9.5 | | 21.5 | 0.1 | | 9.1 | | 27.2 | 51.0 | *a* | 9.5 | | 49.1 | 43.5 | | 8.8 | | 24.2 | 47.9 | K |
| 9.5 | | 25.6 | 15.1 | | 8.3 | | 34.9 | 25.2 | K | 9.4 | | 32.1 | 28.5 | | 9.3 | | 53.4 | 23.0 | K | 8.6 | | 25.6 | 35.8 | K |
| 9.5 | | 30.6 | 52.7 | | 9.5 | | 35.0 | 29.4 | | 7.8 | | 36.6 | 33.3 | *B* | 9.5 | 17 | 20.8 | 58.2 | | 9.4 | | 49.5 | 45.1 | |
| 9.4 | | 32.5 | 49.0 | | 8.6 | | 37.5 | 49.4 | | 9.4 | 7 | 8.5 | 6.5 | | 9.5 | | 37.3 | 17.0 | | 9.5 | 29 | 39.5 | 45.3 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr | | 22.39 | 2.19 | | 10pr. | | 22.70 | 2.29 | | 10pr. | | 23.03 | 2.39 | | 10pr. | | 23.34 | 2.48 | | 10pr. | | 23.76 | 2.59 | |

| 4601—4660 | | | | 4661—4720 | | | | 4721—4780 | | | | 4781—4840 | | | | 4841—4900 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ʰ | +39° | | | 21ʰ | +39° | | | 21ʰ—22ʰ | +39° | | | 22ʰ | +39° | | | 22ʰ | +39° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 8.8 | 29′ 43.4 | 33.0 | K | 8.8 | 39′ 36.9 | 45.5 | K | 9.4 | 51′ 39.2 | 4.9 | B | 9.3 | 6′ 21.9 | 59.1 | | 6.0 | 21′ 6.2 | 4.8 | K |
| 8.1 | 50.3 | 28.8 | K | 9.5 | 40.1 | 20.9 | | 9.5 | 54.1 | 4.1 | | 8.6 | 22.9 | 51.0 | | 8.8 | 6.7 | 44.0 | K |
| 8.8 | 57.0 | 13.9 | K | 8.8 | 54.8 | 49.0 | K | 9.4 | 57.0 | 12.2 | | 9.5 | 26.7 | 11.8 | | 9.4 | 26.7 | 39.2 | |
| 9.0 | 30 2.8 | 54.2 | | 9.2 | 40 0.0 | 4.5 | | 9.1 | 52 2.5 | 51.2 | b | 9.5 | 45.3 | 39.6 | | 9.3 | 27.3 | 13.2 | B |
| 9.4 | 3.0 | 10.9 | | 9.4 | 18.3 | 32.9 | | 9.5 | 17.6 | 43.7 | | 9.5 | 46.0 | 5.3 | | 9.2 | 29.2 | 47.2 | |
| 8.3 | 8.4 | 32.9 | K | 9.4 | 19.0 | 28.6 | | 9.1 | 30.2 | 58.6 | | 9.5 | 49.1 | 32.0 | | 9.2 | 44.7 | 26.1 | K |
| 9.3 | 14.1 | 22.8 | B | 8.1 | 29.8 | 11.0 | K | 9.0 | 49.1 | 29.8 | | 9.0 | 7 46.2 | 45.8 | Kb | 9.5 | 49.2 | 42.7 | |
| 9.5 | 19.5 | 13.7 | | 9.2 | 37.1 | 43.4 | | 9.5 | 53 4.7 | 39.6 | | 9.5 | 56.8 | 40.0 | | 9.1 | 57.3 | 50.7 | |
| 9.3 | 29.3 | 56.3 | | 9.5 | 45.9 | 24.0 | | 9.5 | 10.2 | 18.7 | | 9.3 | 8 2.4 | 15.9 | | 9.5 | 22 4.7 | 41.3 | |
| 9.5 | 29.5 | 32.8 | B | 9.4 | 49.7 | 4.1 | B | 9.5 | 40.1 | 51.7 | | 8.0 | 5.1 | 46.8 | K | 8.5 | 7.2 | 8.6 | K |
| 8.9 | 58.5 | 17.6 | | 9.5 | 41 3.4 | 14.4 | | 9.5 | 49.1 | 4.3 | | 9.5 | 57.2 | 27.0 | | var | 39.7 | 33.6 | K |
| 5.0 | 31 8.7 | 45.8 | K | 9.1 | 5.7 | 5.5 | Kb | 9.5 | 49.4 | 52.4 | | 8.0 | 9 2.1 | 2.7 | L | 9.4 | 23 9.1 | 10.3 | |
| 9.5 | 15.4 | 1.7 | | 9.5 | 44.3 | 41.0 | | 9.4 | 52.7 | 24.9 | | 9.5 | 41.8 | 15.5 | | 9.4 | 12.4 | 36.0 | |
| 9.5 | 29.0 | 57.5 | | 9.4 | 42 10.1 | 49.6 | | 9.5 | 55 11.4 | 20.1 | | 9.3 | 58.5 | 45.8 | | 9.5 | 19.2 | 28.0 | |
| 9.1 | 39.4 | 25.3 | | 9.0 | 10.2 | 52.6 | | 9.4 | 17.2 | 26.3 | | 8.8 | 11 9.2 | 54.2 | | 8.8 | 24 6.0 | 1.6 | |
| 9.5 | 41.3 | 28.5 | | 9.5 | 19.0 | 2.2 | B | 9.4 | 51.2 | 35.4 | b | 8.7 | 51.2 | 3.5 | | 8.0 | 7.7 | 27.5 | B |
| 9.4 | 47.2 | 32.2 | | 8.3 | 57.6 | 56.6 | K | 9.5 | 56 48.1 | 31.9 | | 8.0 | 53.4 | 13.6 | K | 8.8 | 20.7 | 14.5 | |
| 9.2 | 32 5.2 | 20.4 | | 9.5 | 43 9.5 | 11.7 | | 9.5 | 57 4.7 | 53.1 | | 9.5 | 12 22.3 | 46.1 | | 8.8 | 24.1 | 21.5 | |
| 9.0 | 13.1 | 12.5 | | 9.3 | 14.9 | 9.7 | B | 9.5 | 44.2 | 33.0 | | 9.5 | 37.0 | 16.9 | | 9.5 | 24.2 | 39.6 | |
| 9.5 | 13.7 | 7.4 | B | 9.3 | 29.4 | 14.1 | | 8.9 | 48.7 | 1.3 | K | 9.5 | 59.8 | 36.7 | | 7.5 | 32.0 | 59.7 | K |
| 9.5 | 17.2 | 48.4 | B | 9.5 | 39.8 | 41.6 | | 9.0 | 51.5 | 3.3 | | 9.5 | 13 8.6 | 48.9 | | 9.5 | 43.3 | 12.1 | |
| 9.4 | 42.0 | 57.7 | | 9.5 | 51.9 | 20.9 | | 9.5 | 56.1 | 13.4 | | 9.5 | 10.7 | 21.1 | | 9.1 | 49.5 | 24.2 | K |
| 9.3 | 33 21.9 | 42.9 | | 9.5 | 44 30.0 | 4.1 | | 9.5 | 58 16.6 | 47.2 | | 9.5 | 18.2 | 17.6 | | 9.3 | 57.7 | 3.1 | |
| 9.4 | 26.2 | 8.8 | | 9.5 | 42.3 | 48.6 | | 9.5 | 26.7 | 20.1 | | 9.5 | 19.6 | 52.4 | B | 9.2 | 25 14.3 | 32.5 | B |
| 8.7 | 27.4 | 40.9 | K | 9.5 | 54.3 | 16.2 | | 9.5 | 42.8 | 33.0 | | 9.1 | 24.8 | 59.4 | Bb | 9.0 | 22.1 | 32.5 | K |
| 9.5 | 31.3 | 21.2 | | 9.5 | 45 1.7 | 21.8 | | 9.4 | 56.8 | 27.4 | B | 9.5 | 44.7 | 46.5 | | 9.5 | 26.4 | 50.7 | |
| 8.0 | 36.3 | 59.1 | K | 9.3 | 7.3 | 11.0 | | 9.5 | 53.9 | 26.4 | | 9.4 | 46.6 | 4.6 | B | 9.1 | 34.6 | 53.8 | |
| 9.1 | 38.2 | 34.2 | | 9.4 | 8.4 | 8.2 | | 9.4 | 59 21.6 | 35.4 | B | 9.5 | 14 0.2 | 29.1 | | 9.2 | 41.5 | 38.6 | K |
| 9.4 | 40.7 | 50.3 | | 9.2 | 21.8 | 2.0 | B | 9.5 | 24.7 | 25.3 | | 8.9 | 10.4 | 38.5 | | 8.5 | 43.4 | 3.4 | K |
| 9.0 | 42.8 | 17.2 | K | 9.5 | 22.2 | 42.0 | | 9.5 | 33.6 | 31.6 | | 9.5 | 18.3 | 17.4 | | 8.2 | 59.3 | 52.5 | G |
| 9.3 | 34 0.6 | 1.6 | | 8.5 | 49.6 | 24.6 | | 9.0 | 0 0.7 | 18.4 | | 9.4 | 23.7 | 28.4 | B | 6.2 | 26 2.0 | 2.1 | B |
| 9.5 | 2.1 | 16.2 | | 9.5 | 49.9 | 40.1 | | 9.5 | 3.2 | 54.9 | | 9.3 | 15 19.1 | 51.3 | | 9.5 | 6.3 | 31.7 | |
| 9.3 | 3.5 | 45.1 | | 9.5 | 46 6.2 | 30.9 | | 9.3 | 5.9 | 51.0 | | 8.2 | 29.0 | 15.9 | K | 9.4 | 8.1 | 33.7 | B |
| 9.5 | 23.8 | 30.5 | | 8.6 | 13.9 | 7.9 | K | 9.1 | 35.7 | 12.2 | | 6.5 | 37.1 | 55.8 | Lb | 9.0 | 12.9 | 34.8 | K |
| 9.5 | 28.4 | 40.8 | | 9.5 | 18.8 | 45.1 | | 9.0 | 48.4 | 57.7 | | 9.4 | 16 2.7 | 17.0 | | 9.5 | 34.4 | 0.2 | B |
| 9.5 | 47.2 | 46.0 | | 9.1 | 24.4 | 43.3 | Bb | 9.5 | 1 2.2 | 54.1 | | 9.5 | 12.1 | 43.6 | | 9.3 | 40.4 | 6.2 | |
| 9.5 | 35 13.1 | 28.0 | | 9.3 | 29.7 | 13.5 | B | 9.5 | 16.5 | 4.7 | | 9.2 | 21.5 | 4.8 | | 9.4 | 40.9 | 7.1 | |
| 9.5 | 15.9 | 53.3 | | 9.0 | 32.1 | 7.9 | K | 9.3 | 22.7 | 19.1 | | 9.3 | 37.0 | 28.7 | | 9.1 | 50.7 | 35.0 | K |
| 8.7 | 18.0 | 17.7 | | 9.0 | 47 13.8 | 52.1 | | 9.4 | 23.2 | 29.1 | | 9.0 | 45.5 | 37.1 | | 9.3 | 27 16.7 | 0.4 | |
| 9.5 | 42.6 | 10.2 | | 9.2 | 40.2 | 41.3 | | 8.5 | 37.3 | 24.6 | K | 9.5 | 17 7.0 | 58.2 | | 9.5 | 24.9 | 11.1 | |
| 9.4 | 48.4 | 53.5 | B | 8.9 | 48.2 | 44.0 | K | 9.1 | 2 14.5 | 49.7 | | 9.5 | 12.9 | 34.7 | | 9.5 | 31.4 | 46.8 | |
| 7.8 | 58.3 | 52.2 | K | 9.4 | 58.1 | 23.6 | | 9.5 | 25.4 | 0.7 | | 8.7 | 15.4 | 50.7 | | 9.4 | 45.5 | 31.5 | |
| 9.5 | 36 0.8 | 30.5 | | 8.9 | 48 10.2 | 11.1 | K | 8.0 | 28.1 | 24.6 | K | 9.4 | 18.2 | 56.2 | | 8.7 | 28 2.0 | 53.8 | K |
| 9.1 | 21.3 | 36.7 | | 9.0 | 25.7 | 4.1 | | 9.1 | 30.4 | 45.4 | | 9.5 | 23.3 | 14.2 | | 9.5 | 17.2 | 45.2 | |
| 9.2 | 21.5 | 4.1 | | 9.5 | 36.9 | 0.9 | | 9.5 | 38.7 | 53.5 | | 8.9 | 39.7 | 25.0 | | 9.4 | 20.9 | 30.8 | |
| 9.4 | 29.9 | 58.3 | | 8.2 | 43.7 | 14.5 | K | 9.2 | 58.3 | 21.5 | B | 9.4 | 44.8 | 59.0 | | 8.3 | 26.3 | 58.1 | K |
| 9.3 | 37 5.4 | 20.6 | | 9.5 | 57.0 | 4.7 | | 9.0 | 3 7.7 | 57.3 | K | 9.5 | 18 49.6 | 50.7 | | 9.5 | 42.2 | 10.0 | |
| 9.5 | 15.5 | 55.3 | | 9.0 | 49 5.2 | 19.7 | K | 9.5 | 20.0 | 45.5 | B | 9.5 | 52.7 | 34.7 | | 9.3 | 29 6.7 | 8.3 | |
| 9.5 | 16.9 | 47.5 | | 9.3 | 20.1 | 39.9 | | 8.5 | 48.2 | 59.4 | B | 8.5 | 19 2.8 | 25.3 | | 9.1 | 7.4 | 7.1 | |
| 8.6 | 19.9 | 48.7 | K | 9.5 | 38.7 | 30.5 | | 9.3 | 51.3 | 4.9 | B | 9.5 | 41.3 | 8.3 | | 9.0 | 21.5 | 20.8 | |
| 9.5 | 33.0 | 56.1 | | 9.4 | 50 1.3 | 39.9 | | 9.3 | 58.2 | 31.9 | | 9.5 | 52.2 | 33.3 | | 9.5 | 27.0 | 58.3 | |
| 9.5 | 59.3 | 26.1 | | 9.5 | 10.6 | 3.1 | | 9.0 | 4 2.3 | 21.5 | K | 9.1 | 56.4 | 54.3 | | 8.0 | 50.7 | 20.8 | K |
| 9.4 | 38 1.6 | 8.1 | | 9.5 | 11.0 | 24.4 | | 8.7 | 5.2 | 11.1 | | 9.5 | 20 15.6 | 44.8 | | 9.2 | 56.9 | 27.5 | |
| 9.5 | 20.4 | 4.1 | | 9.5 | 15.0 | 23.3 | | 8.0 | 29.9 | 32.6 | K | 9.4 | 16.9 | 15.6 | | 8.5 | 57.1 | 38.5 | K |
| 9.5 | 57.8 | 54.7 | aB | 9.5 | 28.4 | 19.0 | | 7.8 | 5 6.3 | 28.0 | B | 9.0 | 18.7 | 56.2 | | 9.5 | 30 35.0 | 34.7 | |
| 9.5 | 39 6.4 | 2.6 | | 9.1 | 41.7 | 59.3 | Kb | 9.3 | 29.5 | 56.1 | | 9.5 | 27.8 | 58.1 | | 9.4 | 45.1 | 8.0 | K |
| 9.1 | 8.9 | 23.4 | b | 9.4 | 44.3 | 29.8 | | 9.3 | 35.2 | 34.2 | B | 8.2 | 28.0 | 48.3 | K | 9.1 | 59.9 | 25.4 | K |
| 8.7 | 16.4 | 48.1 | K | 9.5 | 47.2 | 34.0 | | 8.9 | 37.5 | 5.9 | K | 9.5 | 55.1 | 35.9 | | 8.8 | 31 10.6 | 24.3 | K |
| 9.1 | 24.3 | 8.5 | | 9.3 | 51 6.8 | 43.3 | | 9.3 | 57.7 | 7.7 | | 9.2 | 59.9 | 56.2 | | 9.5 | 13.4 | 44.7 | |
| 9.1 | 32.8 | 7.1 | | 8.8 | 14.1 | 13.2 | | 9.0 | 6 16.2 | 15.2 | K | 9.5 | 21 5.9 | 36.8 | B | 9.5 | 42.0 | 55.3 | |
| 10pr. | 24.16 | 2.69 | | 10pr. | 24.62 | 2.78 | | 10pr. | 25.20 | 2.89 | | 10pr. | 25.82 | 2.99 | | 10pr. | 26.32 | 3.07 | |

| 4899a | | | |
|---|---|---|---|
| 9.3 | 41 | 16.0 | 53.3 | a |

| 4961—4980 | | | | 4981—5020 | | | | 5021—5080 | | | | 5081—5140 | | | | 5141—5200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22ᵘ | +39° | | | 22ᵘ—23ᵘ | +39° | | | 23ᵘ | +39° | | | 23ᵘ | +39° | | | 23ᵘ | +39° | |
| m | ′ | ″ | | m | ′ | ″ | | m | ′ | ″ | | m | ′ | ″ | | m | ′ | ″ | |
| 9.5 | 32 | 7.9 | 36.4 | 9.3 | 47 | 20.1 | 13.8 | 8.6 | 2 | 45.9 | 25.1 | K | 9.2 | 18 | 50.1 | 42.2 | K | 9.4 | 34 | 9.0 | 35.5 | |
| 9.5 | | 21.7 | 7.6 | 9.3 | | 23.7 | 48.2 | K | 9.5 | | 53.1 | 3.0 | | 8.6 | | 50.6 | 54.8 | | 9.5 | | 15.7 | 32.1 | |
| 9.4 | | 30.8 | 38.8 | 9.5 | | 25.4 | 15.9 | | 9.5 | 3 | 50.5 | 48.4 | | 9.4 | | 52.4 | 3.1 | | 7.3 | | 20.1 | 45.2 | K |
| 9.4 | | 40.1 | 35.3 | B 5.8 | | 27.9 | 36.1 | G | 9.5 | | 54.4 | 9.1 | | 9.5 | 19 | 25.6 | 5.6 | | 8.8 | | 21.7 | 24.7 | |
| 9.5 | | 51.0 | 32.3 | 8.7 | | 58.5 | 13.0 | | 9.4 | | 56.6 | 41.4 | | 7.7 | | 29.9 | 35.1 | K | 8.5 | | 40.5 | 30.6 | |
| 7.7 | | 54.6 | 51.1 | K 9.5 | 48 | 20.2 | 22.5 | | 9.5 | 4 | 1.1 | 38.7 | | 9.1 | | 36.0 | 10.9 | K | 9.5 | | 50.6 | 34.8 | |
| 9.3 | 33 | 0.2 | 5.0 | 9.2 | | 33.3 | 45.1 | Bb | 9.4 | | 1.2 | 26.5 | | 9.4 | 20 | 9.5 | 2.7 | | 9.5 | 35 | 8.6 | 51.8 | |
| 9.3 | | 7.5 | 19.0 | 8.7 | | 33.3 | 10.0 | K | 8.7 | | 33.8 | 58.3 | Kb | 9.5 | | 20.4 | 0.7 | | 9.3 | | 12.8 | 1.6 | |
| 7.2 | | 38.9 | 55.0 | K 9.5 | | 35.2 | 49.6 | | 9.2 | | 53.1 | 44.7 | K | 9.3 | | 36.4 | 38.9 | | 9.5 | | 34.1 | 19.4 | |
| 9.1 | 34 | 16.6 | 7.2 | 9.4 | | 36.2 | 30.1 | | 9.5 | 5 | 54.8 | 18.5 | | 9.4 | | 49.2 | 8.1 | | 9.5 | 36 | 13.5 | 59.2 | |
| 9.4 | | 59.4 | 17.9 | B 9.4 | | 39.5 | 41.8 | | 9.0 | | 55.8 | 13.0 | K | 9.4 | 21 | 20.1 | 30.8 | | 9.5 | | 29.8 | 7.1 | |
| 5.3 | 35 | 0.1 | 29.1 | G 9.5 | 49 | 2.4 | 21.1 | | 9.5 | | 56.8 | 4.1 | | 8.8 | | 25.9 | 11.8 | K | 8.4 | | 37.9 | 30.0 | K |
| 9.5 | | 5.4 | 11.4 | 9.4 | | 36.5 | 53.5 | | 7.5 | 6 | 15.6 | 13.1 | K | 9.1 | | 34.5 | 2.7 | | 9.0 | | 55.3 | 53.3 | |
| 9.5 | | 29.0 | 27.3 | 9.5 | | 57.1 | 14.5 | | 9.5 | | 39.5 | 4.0 | | 9.5 | 22 | 7.2 | 48.4 | | 9.2 | | 57.2 | 19.2 | |
| 9.5 | 36 | 20.2 | 48 6 | 9.5 | 50 | 6.3 | 6.8 | | 9.1 | | 52.5 | 48.1 | K | 8.4 | | 10.8 | 54.3 | K | 9.5 | | 59.6 | 0.9 | |
| 8.8 | | 57.1 | 26.0 | K 8.9 | | 8.2 | 27.3 | | 9.3 | | 53.4 | 58.4 | | 9.3 | | 50.5 | 48.4 | | 9.5 | 38 | 15.7 | 41 5 | B |
| 9.2 | 37 | 6.5 | 37.1 | K 9.4 | | 29.7 | 18.3 | | 9.5 | 7 | 19.4 | 15.7 | B | 9.4 | 23 | 14.9 | 54.5 | | 8.6 | | 19.9 | 38.1 | K |
| 9.5 | | 23.2 | 5.9 | 9.5 | | 39.2 | 45.0 | | 9.4 | | 21.2 | 42.0 | | 8.8 | 24 | 21.5 | 24.6 | | 9.0 | | 24.3 | 6.5 | K |
| 9.5 | | 49.1 | 47.1 | 9.5 | 51 | 10.6 | 14.5 | | 9.5 | 8 | 0.0 | 58.9 | | 8.0 | | 55.6 | 58.7 | | 9.5 | 39 | 6.6 | 12.8 | |
| 9.3 | 38 | 11.7 | 48.8 | 9.2 | | 14.9 | 54.1 | | 9.4 | | 13.3 | 11.4 | | 9.5 | 25 | 2.5 | 5.6 | | 9.4 | | 30.4 | 34.0 | |
| 9.4 | | 16.2 | 40.6 | 7.8 | | 55.2 | 1.5 | B | 9.0 | | 13.4 | 32.7 | | 9.5 | | 6.2 | 49.1 | | 9.1 | | 37.6 | 44.1 | b |
| 9.5 | | 21.4 | 1.8 | 9.1 | 52 | 21.7 | 28.5 | b | 9.3 | | 31.8 | 53.5 | | 9.3 | | 8.4 | 44.7 | | 9.5 | | 51.0 | 0.4 | |
| 9.0 | | 44.1 | 15.9 | K 9.3 | | 45.7 | 29.2 | K | 9.1 | | 43.2 | 23.6 | K | 9.4 | | 13.7 | 30.4 | | 9.5 | | 51.5 | 8.6 | |
| 9.0 | 39 | 32.3 | 35.0 | 8.6 | | 57.5 | 3.3 | K | 9.5 | 9 | 1.7 | 4.3 | | 9.1 | | 21.0 | 6.9 | b | 9.5 | 40 | 36.3 | 15.0 | |
| 8.6 | | 37.2 | 33.2 | 9.5 | 53 | 19.2 | 12.8 | | 9.5 | | 9.4 | 52.1 | | 9.5 | | 44.9 | 2.7 | | 9.5 | 41 | 21.7 | 37.7 | |
| 8.8 | | 39.6 | 21.0 | 9.5 | 54 | 5.7 | 11.7 | | 9.5 | | 20.0 | 22.2 | | 9.5 | 26 | 11.1 | 52.6 | | 9.5 | | 24.0 | 43.9 | |
| 9.5 | 40 | 15.5 | 2.5 | 9.1 | | 8.3 | 51.5 | Kb | 9.5 | | 40.8 | 21.8 | | 9.3 | | 16.8 | 43.2 | | 8.3 | 42 | 0.2 | 58.9 | K |
| 9.5 | | 34.0 | 50.7 | 9.5 | | 19.2 | 23.9 | | 8.9 | | 52.5 | 36.3 | B | 9.4 | | 24.7 | 32.6 | | 9.1 | | 28.8 | 48.3 | |
| 9.5 | | 48.9 | 8.8 | 9.5 | | 53.7 | 35.4 | | 9.4 | | 57.8 | 35.7 | | 9.4 | | 25.5 | 19.8 | | 9.3 | | 36.4 | 31.0 | |
| 9.2 | 41 | 25.6 | 27.3 | Kb 9.3 | 55 | 4.8 | 3.1 | B | 9.3 | 10 | 15.4 | 55.1 | | 9.5 | 27 | 12.2 | 6.5 | | 9.5 | | 37.1 | 43.8 | |
| 9.5 | | 32.0 | 18.3 | 9.5 | | 11.0 | 7.5 | | 9.5 | | 17.0 | 34.8 | | 9.3 | | 25.5 | 4.0 | | 9.3 | 43 | 3.8 | 2.4 | |
| 7.3 | 42 | 5.5 | 56.2 | K 9.4 | | 36.7 | 28.9 | | 8.7 | | 22.8 | 52.2 | B | 9.5 | | 26.6 | 2.5 | | 9.1 | | 5.2 | 51.8 | b |
| 9.1 | | 23.3 | 18.8 | B 9.4 | | 43.5 | 48.6 | | 9.0 | | 58.4 | 38.5 | K | 9.0 | | 29.6 | 22.3 | K | 9.0 | | 44.9 | 19.0 | K |
| 8.7 | | 24.7 | 3.6 | K 9.5 | | 52.0 | 31.0 | | 9.1 | 11 | 5.2 | 18.4 | | 6.0 | | 32.8 | 26.1 | K | 6.8 | 44 | 0.3 | 23.7 | K |
| 8.9 | | 52.8 | 44.7 | K 8.4 | 56 | 2.6 | 6.4 | K | 9.5 | | 42.5 | 40.0 | | 9.0 | | 34.7 | 52.8 | | 9.5 | | 4.8 | 39.8 | |
| 9.5 | 43 | 7.6 | 50.0 | 9.4 | 57 | 1.8 | 34.9 | | 8.8 | | 52.8 | 26.7 | K | 9.5 | 28 | 0.1 | 28.6 | | 9.1 | | 17.7 | 26.2 | |
| 7.6 | | 7.6 | 44.7 | K 9.0 | | 22.3 | 56.6 | K | 9.1 | | 54.3 | 32.3 | | 9.5 | | 8.9 | 0.0 | B | 9.3 | | 22.4 | 43.4 | |
| 9.5 | | 15.2 | 14.5 | 9.1 | | 45.6 | 10.3 | | 8.5 | | 56.4 | 38.9 | K | 8.5 | | 23.6 | 43.5 | K | 9.0 | | 28.5 | 1.4 | |
| 9.5 | | 18.7 | 9.6 | 9.4 | | 55.9 | 36.5 | | 8.8 | | 59.5 | 7.6 | | 8.1 | | 39.8 | 14.4 | K | 7.3 | | 38.8 | 56.4 | K |
| 9.4 | | 51.6 | 43.0 | 9.2 | 58 | 36.1 | 40.5 | K | 9.0 | 12 | 19.8 | 38.3 | | 9.5 | | 49.4 | 30.3 | | 8.1 | | 54.7 | 4.4 | K |
| 9.5 | | 56.5 | 50.3 | 9.4 | | 38.8 | 46.7 | | 8.0 | | 21.2 | 19.2 | K | 9.5 | 29 | 46.2 | 59.2 | | 8.6 | | 56.2 | 17.2 | K |
| 9.5 | 44 | 4.7 | 2.0 | 9.5 | | 56.1 | 5.2 | | 8.9 | 13 | 7.5 | 31.2 | K | 9.1 | 30 | 0.4 | 14.5 | K | 8.7 | | 56.6 | 55.0 | Kb |
| 9.4 | | 8.5 | 41.6 | 9.0 | | 57.3 | 18.2 | K | 8.8 | | 9.4 | 58.4 | | 9.1 | | 2.8 | 16.0 | K | 9.5 | 45 | 8.4 | 30.2 | |
| 9.4 | | 9.2 | 2.7 | B 9.5 | 59 | 1.4 | 45.0 | | 9.5 | | 41.9 | 38.6 | | 9.5 | | 4.1 | 52.8 | | 9.4 | 46 | 6.0 | 47.3 | |
| 9.5 | | 10.9 | 7.0 | 9.2 | | 14.2 | 49.2 | K | 9.5 | 14 | 0.0 | 0.9 | | 9.5 | | 25.2 | 53.3 | B | 8.7 | | 11.4 | 13.2 | B |
| 9.4 | | 21.4 | 38.5 | 9.3 | | 56.8 | 29.3 | | 9.4 | | 21.0 | 16.4 | | 9.5 | | 40.9 | 27.1 | | 9.3 | | 14.0 | 56.5 | |
| 9.4 | 45 | 4.1 | 50.9 | 7.9 | 0 | 29.7 | 45.6 | K | 9.5 | | 31.7 | 16.0 | | 8.7 | 31 | 3.1 | 42.4 | K | 9.0 | | 33.3 | 36.4 | |
| 9.5 | | 4.4 | 18.3 | 7.5 | 1 | 0.7 | 0.5 | K | 8.9 | | 44.9 | 23.0 | B | 9.5 | | 6.3 | 2.6 | | 8.7 | 47 | 1.7 | 30.6 | B |
| 9.5 | | 11.9 | 7.7 | 9.1 | | 6.2 | 10.1 | | 9.5 | 15 | 22.6 | 10.1 | | 8.5 | | 15.6 | 41.4 | K | 9.5 | | 15.8 | 54.4 | |
| 9.5 | | 25.7 | 17.8 | 9.5 | | 21.8 | 51.4 | | 9.4 | | 23.4 | 3.7 | | 9.5 | | 19.9 | 13.8 | | 9.5 | | 22.4 | 17.6 | |
| 9.5 | | 28.6 | 44.0 | 9.2 | | 22.1 | 46.6 | | 9.0 | | 34.2 | 40.4 | | 8.6 | | 26.0 | 5.3 | K | 9.5 | 48 | 32.3 | 2.0 | |
| 9.4 | | 43.7 | 21.3 | B 9.3 | | 31.1 | 51.7 | B | 9.5 | 16 | 23.5 | 1.3 | | 9.5 | | 26.1 | 17.8 | | 9.1 | 49 | 3.9 | 26.7 | b |
| 8.0 | | 44.6 | 30.5 | G 8.9 | | 32.0 | 31.4 | | 8.5 | | 38.2 | 25.7 | K | 9.5 | 32 | 19.4 | 26.7 | | 9.5 | | 21.0 | 52.1 | |
| 8.8 | 46 | 3.9 | 56.4 | B 9.3 | | 37.4 | 54.8 | | 9.5 | | 45.6 | 50.8 | | 8.7 | | 34.7 | 18.2 | | 7.9 | | 41.4 | 47.3 | K |
| 9.3 | | 8.2 | 32.8 | B 9.5 | 2 | 5.6 | 2.0 | | 9.1 | | 48.3 | 41.9 | B | 9.5 | | 45.0 | 36.2 | | 9.2 | | 49.0 | 18.3 | |
| 9.4 | | 19.1 | 3.2 | 9.5 | | 8.7 | 38.0 | | 9.4 | | 49.5 | 29.7 | B | 9.5 | 33 | 2.1 | 5.1 | | 9.1 | | 55.8 | 51.1 | |
| 6.7 | | 35.0 | 22.8 | G 9.2 | | 10.4 | 27.2 | | 9.1 | 17 | 26.2 | 18.3 | B | 9.5 | | 44.6 | 27.1 | | 9.5 | 50 | 9.0 | 39.2 | |
| 8.5 | | 46.7 | 33.7 | G 8.5 | | 25.1 | 20.3 | K | 9.1 | | 34.2 | 16.0 | | 9.5 | | 50.3 | 2.4 | | 9.5 | | 27.9 | 0.7 | |
| 8.7 | | 55.1 | 29.5 | G 9.5 | | 42.2 | 47.7 | | 9.1 | | 45.4 | 30.9 | | 8.9 | | 58.6 | 54.8 | | 9.5 | 51 | 2.2 | 54.7 | |
| 8.5 | 47 | 2.8 | 7.8 | 9.5 | | 45.4 | 44.6 | | 9.5 | 18 | 10.5 | 26.0 | | 9.5 | 34 | 0.4 | 39.7 | | 9.4 | | 16.0 | 0.1 | |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + |
| 10pr. | | 27.02 | 3.15 | 10pr. | | 27.65 | 3.21 | 10pr. | | 28.35 | 3.26 | 10pr. | | 29.15 | 3.30 | 10pr. | | 29.90 | 3.33 |

| 5201—5205 | | | | 5206—5210 | | | | 5211—5215 | | | | 5216—5220 | | | | 5221.—5223 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ʰ | | +39° | | 23ʰ | | +39° | | 23ʰ | | +39° | | 23ʰ | | +39° | | 23ʰ | | +39° | |
| m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | |
| 9.5 | 51 | 28.7 | 6.0 | 9.5 | 52 | 52.8 | 40.6 | 8.3 | 55 | 33.0 | 38.8 | Kb | 9.5 | 57 | 47.1 | 52.5 | 9.1 | 59 | 18.0 | 32.3 | |
| 8.2 | | 35.2 | 59.2 | B | 9.5 | 53 | 48.2 | 55.7 | 8.7 | | 34.1 | 9.1 | K | 9.5 | 58 | 4.4 | 3.8 | 8.8 | | 30.6 | 30.7 | K |
| 9.5 | | 48.2 | 9.5 | | 9.0 | 54 | 33.4 | 13.6 | 8.0 | | 37.8 | 12.0 | K | 9.5 | | 28.2 | 56.1 | B | 9.3 | | 44.0 | 40.3 | |
| 9.0 | | 53.2 | 23.2 | K | 8.5 | | 38.8 | 18.4 | 9.4 | 56 | 9.0 | 50.4 | | 6.7 | | 38.3 | 36.5 | K | | | | | |
| 9.5 | 52 | 52.7 | 11.7 | | 9.4 | | 47.9 | 38.6 | 9.5 | | 55.3 | 39.5 | | 9.5 | 59 | 0.4 | 57.1 | | | | | |
| | | | | | | | | | | | + | + | | | | | | | | | |
| | | | | | | | | *10 pr.* | | | *30.51* | *3.34* | | | | | | | | | |

## Zone +40°

| 1—40 | | | | 41—80 | | | | 81—120 | | | | 121—160 | | | | 161—200 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ʰ | | +40° | | 0ʰ | | +40° | | 0ʰ | | +40° | | 0ʰ | | +40° | | 0ʰ | | +40° | |
| m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | m | | ″ | ′ | |
| 8.8 | 0 | 9.5 | 14.5 | 9.0 | 8 | 50.4 | 28.4 | B | 9.5 | 18 | 49.1 | 47.5 | | 9.4 | 28 | 11.4 | 25.7 | | 9.1 | 39 | 24.2 | 30.4 | K |
| 9.3 | | 31.2 | 59.9 | 9.4 | | 54.4 | 29.2 | | 9.4 | | 51.0 | 34.4 | | 9.1 | | 32.4 | 12.4 | | 9.1 | | 46.2 | 29.9 | K |
| 9.5 | | 38.1 | 21.7 | 9.4 | 9 | 6.3 | 15.8 | | 8.5 | | 56.8 | 23.2 | K | 9.5 | | 46.5 | 54.4 | | 9.0 | 40 | 21.5 | 48.2 | K |
| 9.5 | | 49.6 | 29.3 | 9.5 | | 10.9 | 48.0 | | 9.5 | 19 | 2.4 | 6.0 | | 9.2 | | 55.2 | 36.6 | | 9.5 | | 44.4 | 55.8 | |
| 7.2 | 1 | 21.3 | 1.9 | K | 9.1 | | 24.4 | 8.4 | 9.5 | | 3.2 | 10.6 | | 9.5 | 29 | 5.0 | 50.2 | | 8.0 | 41 | 4.3 | 20.8 | K |
| 9.1 | | 29.5 | 17.2 | | 9.5 | | 48.6 | 39.8 | 9.5 | | 3.7 | 34.7 | | 9.2 | | 40.4 | 17.8 | K | 8.7 | | 13.9 | 58.1 | K |
| 7.0 | | 34.0 | 2.4 | K | 9.0 | 10 | 20.3 | 37.4 | B | 9.4 | 13.3 | 20.1 | | 8.2 | | 44.1 | 37.6 | K | 7.6 | | 18.3 | 17.8 | K |
| 9.2 | 2 | 5.4 | 17.1 | | 9.5 | | 43.4 | 7.8 | | 9.5 | 27.1 | 11.0 | B | 8.1 | 30 | 0.7 | 4.5 | K | 9.5 | | 36.0 | 40.2 | B |
| 9.5 | | 33.1 | 35.6 | | 9.2 | | 43.9 | 55.5 | | 9.5 | 38.6 | 25.1 | | 9.0 | | 16.8 | 35.4 | K | 9.4 | | 39.5 | 3.0 | |
| 8.9 | | 50.2 | 0.4 | K | 9.5 | 11 | 26.0 | 2.5 | | 8.5 | 20 | 5.0 | 43.8 | | 9.5 | | 28.1 | 40.7 | | 9.4 | | 49.3 | 24.0 | B |
| 9.3 | | 53.6 | 39.5 | | 9.5 | | 26.1 | 49.5 | | 8.8 | | 33.9 | 59.1 | K | 8.5 | | 35.9 | 11.5 | K | 4.7 | | 51.3 | 17.6 | Kb |
| 9.5 | | 56.4 | 7.6 | | 8.9 | | 26.6 | 38.2 | K | 9.0 | | 37.1 | 35.6 | | 9.5 | | 53.8 | 47.0 | | 7.5 | 42 | 28.0 | 1.3 | K |
| 9.5 | 3 | 8.2 | 26.3 | | 9.5 | | 36.9 | 57.0 | | 9.0 | 21 | 11.1 | 37.3 | S | 9.3 | 31 | 9.5 | 1.8 | | 8.5 | | 28.5 | 56.7 | K |
| 9.5 | | 15.5 | 56.9 | | 9.4 | | 54.0 | 49.3 | | 9.0 | | 15.1 | 36.1 | | 9.5 | | 29.7 | 2.3 | | 9.3 | | 48.3 | 47.8 | |
| 9.5 | | 31.3 | 25.3 | | 9.3 | 12 | 18.0 | 52.4 | | 9.5 | | 17.3 | 38.6 | | 9.5 | | 45.4 | 52.7 | | 8.7 | 43 | 11.9 | 26.1 | K |
| 9.5 | | 41.4 | 30.9 | | 9.3 | | 28.5 | 2.3 | | 9.5 | | 31.4 | 11.6 | | 9.5 | | 47.9 | 39.5 | | 9.2 | | 13.8 | 55.9 | |
| 9.5 | | 46.5 | 53.5 | | 7.6 | | 50.4 | 7.2 | K | 9.5 | | 35.0 | 25.7 | | 9.5 | | 54.0 | 7.3 | | 7.3 | | 30.4 | 28.2 | K |
| 9.5 | | 58.0 | 37.8 | | 9.1 | | 50.7 | 41.2 | | 7.6 | | 40.6 | 2.5 | Kb | 9.5 | 32 | 17.4 | 49.9 | B | 9.5 | | 42.7 | 58.8 | |
| 9.4 | 4 | 11.5 | 6.9 | | 9.2 | 13 | 11.5 | 45.7 | K | 9.5 | 22 | 8.3 | 24.5 | | 9.5 | | 19.1 | 47.4 | | 9.5 | | 52.7 | 50.9 | |
| 9.5 | | 31.4 | 46.2 | | 9.5 | | 11.7 | 1.6 | | 9.4 | | 21.7 | 23.0 | | 9.4 | | 31.5 | 5.7 | | 9.5 | 44 | 7.3 | 28.2 | |
| 9.4 | | 31.7 | 22.5 | | 9.4 | | 15.6 | 40.2 | B | 9.5 | | 35.5 | 22.6 | | neb | | 32.0 | 53.5 | | 9.3 | | 22.1 | 44.4 | B |
| 9.1 | | 57.4 | 9.4 | | 9.5 | | 26.3 | 18.4 | | 9.4 | | 57.4 | 7.6 | | 8.8 | 33 | 5.5 | 55.8 | K | 9.3 | | 24.5 | 46.6 | |
| 9.4 | 5 | 27.2 | 50.9 | B | 9.5 | | 39.0 | 22.8 | | 8.5 | | 58.4 | 12.3 | K | 9.5 | | 37.0 | 34.3 | | 9.2 | | 39.8 | 44.2 | K |
| 9.5 | | 33.9 | 11.2 | | 9.5 | | 46.0 | 31.9 | | 7.3 | 23 | 8.0 | 42.9 | K | 9.5 | 34 | 15.2 | 35.5 | | 8.8 | | 44.5 | 8.8 | Kb |
| 8.9 | | 48.1 | 42.8 | K | 9.5 | | 46.8 | 59.8 | | 8.1 | | 10.0 | 51.5 | K | 9.0 | | 35.4 | 9.8 | *B* | 9.5 | 45 | 16.0 | 23.7 | |
| 9.5 | | 51.4 | 25.9 | | 9.5 | 14 | 43.9 | 59.3 | | 9.0 | | 17.9 | 46.6 | K | 8.8 | | 45.0 | 54.3 | *B* | 8.5 | | 52.7 | 41.8 | L |
| 8.6 | | 56.0 | 48.7 | K | 9.5 | 15 | 27.0 | 11.1 | | 9.0 | | 22.5 | 43.4 | K | neb | | 48.5 | 3.9 | K | 9.5 | 46 | 38.0 | 57.8 | |
| 9.4 | | 58.1 | 42.4 | | 9.4 | | 56.0 | 2.2 | | 9.5 | | 41.5 | 21.8 | B | *neb | | 49.7 | 28.4 | L | 9.3 | 47 | 33.0 | 46.5 | |
| 5.7 | | 59.4 | 14.1 | G | 9.5 | 16 | 33.1 | 37.5 | | 9.2 | | 47.0 | 54.2 | | 9.1 | 35 | 20.4 | 12.9 | | 9.4 | | 36.0 | 44.4 | |
| 8.9 | 6 | 4.0 | 2.7 | | 8.8 | | 36.2 | 35.2 | Kb | 9.1 | | 49.1 | 59.4 | K | 9.5 | | 44.4 | 6.2 | *B* | 9.4 | | 36.9 | 40.2 | B |
| 8.6 | | 8.9 | 56.1 | K | 9.3 | | 48.7 | 0.4 | | 9.4 | 24 | 44.7 | 44.4 | | 8.9 | 36 | 9.7 | 46.9 | K | 9.1 | 48 | 27.5 | 7.1 | |
| 9.4 | | 29.1 | 36.6 | | 9.4 | | 56.5 | 3.0 | | 9.4 | | 58.4 | 55.0 | | 9.5 | | 17.4 | 7.0 | | 9.5 | 49 | 6.3 | 28.2 | |
| 9.0 | | 58.2 | 33.6 | | 8.8 | | 58.8 | 31.2 | K | 9.4 | 25 | 23.4 | 55.4 | B | 9.5 | | 37.5 | 16.0 | | 9.3 | | 48.4 | 7.8 | |
| 6.9 | | 59.4 | 13.3 | G | 9.4 | 17 | 2.2 | 45.6 | B | 9.5 | 26 | 47.0 | 53.6 | | 9.0 | | 54.2 | 30.8 | K | 9.2 | 50 | 21.5 | 55.4 | |
| 9.4 | 7 | 3.4 | 15.8 | | 9.3 | | 16.2 | 30.7 | K | 7.5 | 27 | 12.9 | 34.4 | Kb | 9.5 | 37 | 42.9 | 57.0 | | 9.3 | | 22.0 | 29.3 | |
| 9.5 | | 12.5 | 45.7 | | 9.4 | | 16.5 | 50.5 | | 9.1 | | 46.9 | 59.8 | *a* | 9.0 | | 45.2 | 23.5 | K | 9.5 | | 36.9 | 17.2 | |
| 8.7 | | 14.4 | 57.5 | K | 9.2 | | 32.2 | 32.6 | | 9.4 | | 49.6 | 39.3 | | 9.1 | 38 | 9.4 | 44.1 | K | 9.4 | | 45.1 | 4.0 | |
| 9.3 | 8 | 0.1 | 46.0 | | 8.5 | 18 | 20.5 | 44.0 | K | 9.1 | | 54.9 | 57.3 | K | 7.5 | | 6.7 | 0.8 | Kb | 9.5 | 51 | 13.8 | 36.6 | |
| 9.0 | | 4.6 | 39.8 | K | 9.5 | | 26.2 | 29.9 | | 9.3 | 28 | 2.0 | 46.2 | K | 9.5 | | 11.2 | 30.9 | | 8.5 | | 19.0 | 9.5 | B |
| 9.5 | | 27.2 | 29.4 | | 9.5 | | 32.3 | 25.0 | | 9.4 | | 5.2 | 3.7 | | 9.5 | 39 | 3.0 | 8.3 | | 9.4 | | 34.2 | 56.3 | |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + | | |
| *10 pr.* | | *30.95* | *3.34* | *10 pr.* | | *31.38* | *3.34* | *10 pr.* | | *31.83* | *3.33* | *10 pr.* | | *32.33* | *3.30* | *10 pr.* | | *32.91* | *3.28* |

| | | | |
|---|---|---|---|
| *147 a* | | | |
| *nova* | *34* | *49* | *28.3* |

| 201—260 | | | | 261—320 | | | | 321—380 | | | | 381—440 | | | | 441—500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0ª—1ª | | +40° | | 1ª | | +40° | | 1ª | | +40° | | 1ª | | +40° | | 2ª | | +40° | |
| m | ° ′ | ″ | ′ | m | ° ′ | ″ | ′ | m | ° ′ | ″ | ′ | m | ° ′ | ″ | ′ | m | ° ′ | ″ | ′ | |
| 8.9 | 51 | 37.5 | 48.8 | 9.3 | 9 | 20.8 | 25.2 | 8.8 | 26 | 39.8 | 2.6 | 9.5 | 42 | 4.1 | 16.0 | 8.8 | 0 | 2.7 | 41.5 | |
| 9.2 | | 43.0 | 23.3 | 8.5 | | 29.7 | 15.0 | K | 9.1 | | 41.0 | 39.5 | K | 9.5 | | 48.5 | 34.8 | | 8.5 | | 12.0 | 6.9 | S |
| 9.1 | 52 | 1.5 | 46.3 | 9.5 | | 44.9 | 28.2 | | 9.4 | | 49.1 | 38.5 | | 9.5 | | 53.5 | 16.0 | | 9.4 | | 15.5 | 9.2 | B |
| 9.1 | | 57.2 | 2.0 | K 9.4 | 10 | 27.7 | 44.6 | | 9.5 | | 50.2 | 59.7 | | 9.2 | | 56.5 | 44.6 | K | 9.5 | | 34.1 | 40.2 | |
| 9.2 | | 59.4 | 31.4 | b 9.4 | | 29.0 | 0.9 | | 9.3 | | 53.6 | 36.5 | B | 9.5 | 43 | 6.2 | 53.7 | | 9.4 | | 40.8 | 54.9 | |
| 9.4 | 53 | 15.3 | 23.0 | 9.0 | | 52.5 | 34.5 | Kb | 9.5 | | 55.7 | 48.3 | | 9.4 | | 33.8 | 29.1 | | 9.0 | | 42.4 | 14.3 | |
| 9.5 | 54 | 6.5 | 38.7 | 9.5 | 11 | 30.7 | 15.6 | | 9.5 | | 59.5 | 8.6 | | 9.3 | | 33.9 | 26.4 | B | 9.4 | 1 | 18.7 | 15.2 | |
| 9.5 | | 40.1 | 45.3 | 8.7 | | 59.3 | 37.6 | K | 6.8 | 27 | 21.7 | 20.5 | K | 9.0 | | 40.3 | 42.7 | K | 9.5 | | 33.6 | 34.2 | |
| 6.0 | | 47.4 | 33.1 | Gb 9.2 | 12 | 39.8 | 8.2 | | 9.0 | | 53.1 | 24.7 | | 9.3 | | 42.2 | 55.2 | | 9.3 | | 39.6 | 57.8 | K |
| 9.5 | 55 | 48.4 | 28.5 | 9.0 | 13 | 6.2 | 21.2 | K | 9.5 | 28 | 2.1 | 2.0 | | 8.0 | 44 | 5.5 | 44.9 | K | 9.4 | | 51.0 | 12.8 | |
| 9.5 | 56 | 6.1 | 2.0 | 9.1 | | 9.1 | 12.9 | K | 9.5 | | 20.6 | 7.8 | | 8.8 | | 12.5 | 51.0 | | 9.4 | | 54.5 | 21.5 | |
| 8.5 | | 21.9 | 58.2 | 9.4 | | 50.3 | 43.5 | | 4.0 | | 23.1 | 40.9 | Kb | 9.3 | | 29.2 | 21.2 | | 9.3 | 2 | 3.3 | 54.2 | |
| 9.1 | | 28.8 | 6.8 | 9.3 | 14 | 0.7 | 55.0 | K | 9.5 | 29 | 6.3 | 26.8 | | 9.4 | | 31.9 | 31.0 | | 9.5 | | 8.9 | 0.1 | |
| 9.1 | | 53.8 | 55.7 | 9.5 | | 12.3 | 52.4 | | 8.3 | | 33.5 | 26.5 | K | 6.0 | | 38.0 | 1.7 | K | 9.4 | | 14.5 | 49.8 | |
| 8.8 | | 54.2 | 43.1 | 9.5 | | 15.7 | 10.1 | B | 9.5 | | 37.1 | 2.2 | | 9.3 | | 45.4 | 57.7 | K | 9.4 | | 34.5 | 20.1 | |
| 8.5 | 57 | 22.7 | 27.5 | 9.3 | | 36.8 | 50.4 | K | 8.0 | | 47.5 | 10.3 | K | 9.4 | | 57.2 | 26.8 | | 8.5 | | 56.9 | 2.2 | K |
| 8.3 | | 56.8 | 11.3 | K 9.5 | 15 | 19.7 | 30.2 | | 8.2 | 30 | 16.5 | 1.3 | B | 9.2 | | 57.3 | 24.1 | B | 9.5 | 3 | 21.5 | 4.8 | |
| 9.0 | 58 | 7.8 | 44.5 | 8.5 | | 46.3 | 24.7 | B | 9.1 | | 18.1 | 22.1 | B | 9.3 | | 59.5 | 29.6 | | 8.0 | | 37.5 | 46.8 | K |
| 9.5 | | 36.1 | 28.9 | 9.5 | | 50.5 | 3.0 | | 9.4 | | 24.5 | 2.2 | | 9.5 | 45 | 12.8 | 55.4 | | 9.5 | | 44.5 | 14.1 | B |
| 9.5 | | 40.8 | 56.6 | 9.5 | 16 | 59.8 | 4.0 | | 8.4 | | 30.0 | 20.1 | K | 8.7 | | 48.1 | 10.7 | L | 9.3 | | 53.0 | 28.6 | |
| 9.0 | 59 | 13.7 | 18.8 | K 9.5 | 17 | 3.7 | 44.5 | | 7.3 | | 35.0 | 26.8 | K | 9.1 | | 56.7 | 56.0 | K | 9.3 | 4 | 17.5 | 42.2 | |
| 6.8 | | 17.2 | 28.9 | G 7.5 | | 6.3 | 35.6 | K | 9.5 | | 48.5 | 40.0 | | 9.4 | 46 | 38.6 | 37.4 | | 7.3 | | 37.3 | 6.1 | Kb |
| 8.9 | | 22.8 | 31.8 | B 9.2 | | 37.9 | 55.1 | | 9.4 | 31 | 17.3 | 51.5 | | 9.4 | 47 | 38.2 | 23.9 | B | 9.3 | | 49.5 | 50.2 | K |
| 6.5 | | 35.4 | 45.2 | G 9.1 | 18 | 18.9 | 5.2 | | 7.0 | | 23.5 | 55.9 | K | 9.5 | 48 | 1.5 | 36.7 | | 9.5 | | 56.0 | 13.2 | |
| 9.5 | | 46.5 | 21.5 | 9.1 | | 29.1 | 52.1 | K | 9.5 | | 26.6 | 29.9 | | 9.1 | | 29.6 | 47.5 | K | 9.5 | 6 | 13.3 | 1.9 | |
| 9.0 | | 55.0 | 41.4 | L 9.3 | | 35.8 | 26.8 | | 9.3 | | 59.4 | 30.0 | | 8.5 | | 33.1 | 3.4 | K | 8.9 | | 31.0 | 26.1 | |
| 9.5 | 0 | 12.8 | 53.7 | 8.2 | | 44.3 | 27.1 | K | 9.0 | 32 | 11.5 | 52.4 | K | 6.9 | 49 | 10.3 | 59.3 | K | 8.4 | | 34.5 | 27.4 | Bb |
| 9.0 | | 41.4 | 0.6 | B 9.4 | | 57.5 | 27.2 | B | 9.1 | | 55.4 | 54.5 | | 6.9 | | 10.5 | 3.4 | Kb | 9.4 | | 45.6 | 28.2 | |
| 9.5 | 1 | 50.1 | 37.9 | 6.0 | 19 | 3.3 | 20.9 | K | 9.4 | 33 | 13.2 | 37.6 | | 8.4 | | 12.6 | 15.2 | K | 8.3 | 7 | 1.3 | 5.4 | |
| 9.2 | 2 | 1.7 | 39.9 | B 9.5 | | 16.4 | 30.5 | | 9.4 | | 37.1 | 4.8 | | 9.0 | | 13.0 | 7.4 | | 9.3 | | 8.2 | 40.8 | |
| 7.5 | | 2.5 | 9.2 | K 9.1 | | 17.7 | 48.1 | | 8.5 | 34 | 8.7 | 35.0 | K | 7.3 | | 20.1 | 41.1 | S | 9.5 | | 31.0 | 44.1 | |
| 9.5 | | 3.0 | 47.7 | 9.3 | | 49.2 | 42.5 | | 8.2 | | 13.5 | 52.9 | K | 8.2 | | 39.2 | 12.4 | K | 9.5 | | 53.8 | 53.1 | |
| 9.1 | | 7.8 | 7.9 | 9.4 | 20 | 8.6 | 4.7 | | 8.5 | | 50.1 | 14.6 | K | 9.3 | 50 | 12.5 | 55.8 | | 8.4 | 8 | 43.0 | 8.0 | B |
| 9.3 | | 32.3 | 41.5 | 9.5 | | 16.0 | 51.1 | | 9.5 | 35 | 21.3 | 17.3 | | 8.4 | | 42.9 | 31.6 | K | 9.3 | | 55.5 | 54.1 | |
| 7.0 | 3 | 0.2 | 28.2 | K 9.2 | | 40.5 | 57.1 | K | 9.0 | | 33.7 | 26.1 | | 7.0 | | 57.1 | 39.1 | K | 8.8 | 9 | 6.1 | 11.8 | B |
| 9.5 | | 22.7 | 17.8 | 9.4 | | 48.2 | 3.3 | | 9.5 | | 45.7 | 52.5 | | 9.0 | 51 | 8.0 | 14.3 | | 8.0 | | 20.5 | 38.7 | K |
| 9.3 | | 26.8 | 28.2 | 9.5 | 21 | 13.5 | 0.0 | B | 9.5 | | 57.6 | 43.2 | | 9.2 | | 23.0 | 8.2 | | 9.5 | 10 | 14.0 | 14.5 | |
| 9.5 | | 45.3 | 29.3 | 9.3 | | 21.8 | 26.1 | | 8.9 | 36 | 1.4 | 28.2 | K | 8.8 | | 47.4 | 12.3 | K | 9.5 | | 18.0 | 23.1 | |
| 8.3 | | 47.5 | 20.9 | L 9.3 | | 25.8 | 27.7 | | 9.5 | | 38.3 | 55.0 | | 9.2 | | 51.6 | 2.4 | Kb | 9.4 | | 20.2 | 38.6 | |
| 9.0 | | 48.8 | 52.2 | K 9.3 | | 40.2 | 29.3 | B | 9.1 | 37 | 38.5 | 45.9 | | 8.9 | | 56.8 | 12.9 | K | 9.3 | | 22.5 | 55.8 | |
| 9.3 | | 55.0 | 56.4 | 8.8 | | 42.7 | 47.0 | | 9.1 | | 40.6 | 51.8 | | 7.6 | | 57.9 | 40.1 | K | 9.3 | | 49.3 | 43.6 | |
| 8.8 | | 58.8 | 46.0 | 8.8 | | 46.3 | 58.8 | K | 7.5 | | 43.0 | 15.6 | K | 9.5 | 52 | 20.1 | 45.6 | | 9.5 | | 52.5 | 5.0 | |
| 9.2 | 4 | 3.1 | 4.8 | 9.2 | 22 | 0.9 | 33.3 | K | 9.2 | | 56.2 | 58.4 | | 7.0 | | 26.4 | 31.1 | K | 9.4 | 11 | 33.3 | 47.7 | |
| 7.3 | | 3.1 | 9.0 | K 9.5 | | 7.7 | 9.4 | | 7.8 | | 57.4 | 49.9 | K | 9.3 | | 35.0 | 21.8 | | 9.0 | | 44.0 | 5.0 | K |
| 7.8 | | 10.4 | 32.7 | L 9.2 | | 33.6 | 9.4 | B | 9.5 | 38 | 17.1 | 22.6 | | 9.3 | | 42.4 | 23.1 | B | 9.5 | 12 | 15.7 | 2.5 | B |
| 9.5 | | 18.8 | 28.2 | 9.4 | | 36.4 | 13.2 | | 9.5 | | 18.1 | 9.2 | | 9.2 | | 48.5 | 25.1 | K | 9.4 | | 16.8 | 3.2 | B |
| 9.5 | | 36.1 | 45.0 | 9.5 | | 58.5 | 2.5 | | 9.5 | | 18.3 | 27.8 | | 9.5 | 53 | 26.4 | 4.9 | | 9.0 | | 20.5 | 43.6 | |
| 7.0 | | 46.9 | 53.8 | K 8.8 | 23 | 36.8 | 8.7 | | 9.5 | | 19.7 | 54.8 | | 9.2 | | 39.1 | 34.6 | K | 9.2 | | 20.5 | 53.1 | |
| 7.3 | 5 | 5.4 | 28.9 | K 8.3 | | 38.5 | 19.2 | K | 9.5 | | 43.1 | 13.5 | | 9.1 | 54 | 12.2 | 6.7 | | 9.1 | | 25.1 | 25.6 | B |
| 7.3 | | 19.3 | 23.7 | K 9.4 | | 41.0 | 27.9 | | 9.4 | 39 | 21.6 | 31.3 | | 9.1 | 55 | 56.3 | 1.5 | K | 9.5 | | 29.4 | 2.7 | B |
| 9.2 | | 32.1 | 20.9 | B 9.1 | | 43.0 | 34.3 | B | 9.5 | | 41.7 | 37.2 | | 9.5 | 56 | 16.6 | 38.1 | | 9.1 | | 40.0 | 3.8 | K |
| 8.5 | 6 | 30.2 | 16.4 | K 8.8 | 24 | 40.4 | 7.2 | | 9.5 | | 53.2 | 6.0 | | 9.0 | 57 | 4.2 | 47.8 | K | 9.4 | | 45.5 | 0.7 | |
| 8.8 | | 31.9 | 55.4 | K 8.7 | | 40.7 | 1.6 | Kb | 8.3 | 40 | 2.5 | 14.2 | | 9.0 | | 10.4 | 46.3 | K | 8.8 | | 50.1 | 40.7 | |
| 9.1 | 7 | 9.8 | 3.3 | 9.5 | | 47.7 | 46.9 | | 8.3 | | 14.2 | 32.8 | | 7.3 | | 12.0 | 50.2 | K | 9.4 | 13 | 18.3 | 12.6 | |
| 9.5 | | 39.4 | 23.0 | 7.0 | 25 | 4.6 | 8.4 | K | 8.8 | | 15.1 | 1.6 | K | 9.5 | | 46.0 | 1.8 | | 8.4 | | 21.0 | 30.5 | K |
| 9.2 | | 53.9 | 8.4 | B 9.5 | | 6.6 | 56.5 | | 9.4 | | 31.5 | 44.2 | | 9.3 | 58 | 11.3 | 25.2 | B | 9.5 | | 27.5 | 57.5 | |
| 9.5 | | 54.4 | 20.0 | 7.8 | | 9.0 | 15.3 | K | 8.8 | | 34.8 | 6.0 | | 9.4 | | 13.0 | 35.0 | | 9.5 | | 32.7 | 50.1 | |
| 9.2 | | 59.6 | 24.1 | 9.5 | | 24.2 | 54.4 | | 8.3 | | 38.0 | 14.3 | K | 9.5 | | 18.1 | 56.4 | | 9.3 | | 39.3 | 7.3 | B |
| 8.0 | 8 | 11.1 | 6.4 | K 9.5 | | 59.0 | 14.6 | | 9.5 | 41 | 13.5 | 54.7 | | 9.5 | | 46.4 | 20.5 | | 9.4 | | 49.4 | 9.1 | |
| 9.0 | | 12.4 | 8.7 | K 9.5 | 26 | 12.9 | 30.5 | | 9.5 | 42 | 2.8 | 43.8 | | 8.7 | 59 | 44.9 | 56.8 | K | 6.3 | | 51.1 | 43.5 | K |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10 pr. | | 33.78 | 2.22 | 10 pr. | | 34.61 | 3.14 | 10 pr. | | 35.27 | 3.07 | 10 pr. | | 35.96 | 2.97 | 10 pr. | | 36.74 | 2.84 | |

375ª
9.5 | 40 | 30.8 | 6.6 | a

| 501—560 | | | | | 561—620 | | | | | 621—680 | | | | | 681—740 | | | | | 741—800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2ᵐ | | +40° | | | 2ᵐ | | +40° | | | 2ᵐ—3ᵐ | | +40° | | | 3ᵐ | | +40° | | | 3ᵐ | | +40° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 7.6 | 13 | 53.5 | 48.9 | K | 9.0 | 28 | 40.9 | 7.9 | | 9.5 | 46 | 38.3 | 45.1 | | 8.9 | 0 | 43.4 | 14.3 | | 9.2 | 16 | 12.0 | 47.8 | B |
| 9.5 | 14 | 19.0 | 12.5 | | 9.0 | | 50.3 | 24.7 | B | 8.7 | | 42.4 | 34.8 | K | 9.3 | 1 | 34.0 | 54.5 | | 9.5 | | 13.4 | 6.1 | |
| 9.3 | 15 | 1.2 | 57.1 | | 8.9 | 29 | 51.5 | 42.9 | | 9.5 | | 51.0 | 24.3 | | 8.8 | | 57.3 | 47.5 | | 9.2 | | 36.3 | 13.5 | |
| 9.3 | | 10.0 | 26.1 | | 9.3 | | 56.4 | 13.7 | aR | 8.6 | 47 | 0.6 | 52.1 | K | 7.8 | | 59.2 | 37.2 | K | 8.8 | | 39.8 | 29.0 | |
| 9.4 | | 10.5 | 13.4 | | 9.5 | 30 | 8.0 | 42.0 | | 8.9 | | 8.9 | 52.4 | K | 9.5 | 2 | 5.0 | 5.8 | | 9.4 | | 54.3 | 3.4 | |
| 9.5 | | 17.1 | 17.4 | | 9.1 | 31 | 3.5 | 56.6 | B | 9.5 | | 52.0 | 12.7 | | 8.5 | | 29.9 | 53.0 | K | 9.1 | 17 | 4.9 | 18.6 | |
| 9.3 | | 18.9 | 7.2 | | 8.7 | | 23.5 | 42.3 | K | 9.3 | | 57.4 | 22.5 | | 8.7 | | 52.8 | 56.7 | K | 8.8 | | 10.6 | 17.7 | B |
| 9.5 | | 57.0 | 29.1 | | 8.3 | 32 | 20.8 | 16.5 | | 8.7 | 48 | 21.3 | 23.1 | K | 9.5 | 3 | 2.6 | 8.0 | | 8.3 | | 12.9 | 5.3 | K |
| 9.5 | 16 | 8.0 | 49.2 | | 9.5 | | 22.6 | 30.5 | | 9.3 | | 23.0 | 35.5 | | 9.3 | | 2.9 | 5.8 | B | 9.4 | | 23.0 | 29 3 | B |
| 9.1 | | 29.0 | 42.0 | Kb | 7.2 | | 48.0 | 47.2 | K | 9.3 | | 53.7 | 43.6 | | 9.4 | | 10.2 | 4.8 | | 8.5 | | 23.2 | 45.8 | K |
| 9.5 | | 38.7 | 27.5 | | 9.5 | 33 | 1.2 | 6.2 | | 9.3 | | 55.7 | 30.3 | K | 8.2 | | 13.4 | 53.5 | K | 9.3 | | 42.5 | 33.0 | B |
| 9.5 | | 42.5 | 25.4 | | 9.5 | | 8.3 | 56.4 | | 9.5 | 49 | 32.4 | 30.4 | B | 9.0 | 4 | 9.7 | 38.5 | | 9.5 | 18 | 11.2 | 14.6 | |
| 8.3 | | 58.0 | 14.5 | | 8.6 | | 9.0 | 37.8 | | 9.5 | | 39.6 | 30.4 | B | 9.5 | | 14.3 | 14.4 | | 9.4 | | 15.3 | 6.4 | |
| 8.2 | 17 | 8.5 | 13.5 | L | 9.5 | 34 | 4.7 | 7.2 | | 9.2 | | 48.5 | 4.6 | | 8.8 | | 32.7 | 20.8 | | 9.5 | | 24.6 | 27.1 | |
| 9.2 | | 9.3 | 54.9 | | 9.0 | | 9.0 | 1.5 | K | 9.1 | | 54.9 | 50.1 | | 8.2 | | 33.8 | 54.3 | K | 9.5 | | 27.8 | 51.6 | |
| 9.1 | 18 | 3.0 | 40.0 | | 8.5 | | 14.0 | 29.0 | | 9.5 | | 58.9 | 27.4 | | 9.5 | | 40.6 | 20.8 | | 9.5 | | 32.5 | 56.0 | |
| 8.2 | | 15.6 | 52.0 | B | 7.1 | | 29.8 | 52.7 | B | 9.3 | 50 | 6.7 | 35.4 | | 9.4 | 5 | 28.1 | 54.6 | | 9.5 | | 33.2 | 46.1 | |
| 9.4 | | 18.5 | 10.8 | B | 9.3 | | 38.2 | 29.0 | | 9.4 | | 14.7 | 55.8 | B | 9.0 | | 41.7 | 37.1 | K | 9.5 | | 53.8 | 31.5 | |
| 9.5 | | 19.4 | 5.3 | | 9.1 | | 55.8 | 17.6 | | 6.5 | | 19.0 | 26.7 | K | 9.0 | 6 | 29.6 | 27.0 | | 9.5 | 19 | 4.3 | 12.8 | |
| 7.9 | | 22.5 | 17.1 | B | 9.5 | | 57.5 | 23.5 | | 9.0 | | 23.8 | 6.6 | | 9.5 | | 53.2 | 59.5 | | 9.4 | | 11.8 | 58.6 | |
| 7.7 | | 27.0 | 23.5 | L | 9.0 | 35 | 2.2 | 8.9 | | 8.4 | | 27.4 | 14.7 | K | 9.5 | 7 | 22.8 | 24.8 | | 9.5 | | 14.9 | 16.5 | |
| 8.8 | | 42.5 | 49.6 | | 9.0 | | 5.8 | 30.3 | K | 8.3 | | 56.9 | 33.0 | | 9.5 | 8 | 5.0 | 54.6 | | 8.3 | | 19.8 | 7.6 | |
| 8.5 | | 57.8 | 56.5 | K | 9.5 | | 11.0 | 28.8 | | 9.5 | 51 | 41.3 | 21.0 | | 9.5 | | 27.8 | 21.0 | | 8.0 | | 55.3 | 5.6 | B |
| 7.8 | | 58.5 | 35.7 | L | 9.3 | | 14.3 | 56.9 | K | 7.5 | | 51.3 | 13.8 | K | 9.1 | | 31.0 | 10.1 | b | 9.3 | 20 | 5.8 | 53.0 | |
| 8.8 | 19 | 5.5 | 30.9 | | 9.5 | | 51.8 | 14.8 | | 8.3 | 52 | 10.9 | 18.5 | K | 9.2 | | 54.3 | 8.0 | | 8.5 | | 15.0 | 40.5 | |
| 9.3 | | 31.8 | 48.1 | | 9.5 | | 54.3 | 35.3 | | 9.5 | | 15.3 | 27.6 | | 9.5 | 9 | 10.5 | 20.2 | | 9.1 | | 17.4 | 58.8 | |
| 8.7 | | 35.6 | 45.1 | B | 9.5 | 36 | 2.7 | 42.7 | | 9.3 | | 15.7 | 42.4 | | 9.0 | | 25.0 | 38.8 | K | 8.9 | | 50.0 | 28.2 | R |
| 9.5 | | 53.0 | 16.6 | | 9.5 | | 24.1 | 59.4 | | 9.5 | | 33.0 | 59.6 | | 9.4 | | 30.5 | 31.4 | B | 9.5 | | 50.8 | 41.8 | |
| 9.5 | 20 | 4.3 | 0.1 | | 7.7 | | 37.0 | 18.3 | L | 9.0 | | 48.0 | 47.8 | K | 9.5 | | 35.0 | 25.6 | | 9.5 | | 53.2 | 20.8 | |
| 9.5 | | 7.4 | 55.9 | | 8.8 | | 56.2 | 50.5 | | 9.3 | | 51.8 | 55.4 | | 9.4 | | 35.8 | 3.7 | | 9.1 | 21 | 34.2 | 47.0 | |
| 9.5 | | 9.8 | 5.7 | | 9.4 | 37 | 0.9 | 36.2 | | 8.3 | | 53.5 | 48.1 | K | 9.3 | | 46.1 | 24.7 | B | 8.8 | | 34.5 | 18.1 | Kb |
| 9.5 | | 19.0 | 32.0 | | 9.2 | | 22.7 | 13.7 | | 9.4 | 53 | 5.3 | 3.1 | | 8.7 | 10 | 8.3 | 26.8 | K | 6.5 | | 53.6 | 15.6 | K |
| 9.1 | | 22.5 | 46.4 | K | 8.2 | | 36.6 | 0.4 | K | 8.5 | | 25.7 | 39.9 | Kb | 9.3 | | 18.6 | 8.0 | | 9.5 | | 59.8 | 26.2 | |
| 9.2 | | 26.0 | 37.7 | B | 9.5 | | 45.7 | 34.0 | | 9.5 | | 28.0 | 19.3 | | 9.5 | 11 | 11.4 | 13.8 | B | 9.1 | 22 | 18.0 | 32.4 | |
| 9.3 | 21 | 6.0 | 36.6 | K | 9.0 | | 50.0 | 55.4 | | 9.3 | | 39.9 | 54.8 | | 9.5 | | 23.8 | 34.3 | B | 9.4 | | 27.8 | 38.3 | |
| 9.5 | | 39.0 | 17.5 | | 8.6 | 38 | 9.5 | 15.8 | K | 8.0 | | 47.4 | 46.3 | K | 9.4 | | 24.2 | 40.6 | | 7.2 | | 40.5 | 25.6 | K |
| 8.3 | | 40.3 | 3.0 | | 8.8 | | 17.6 | 23.4 | | 9.5 | | 55.3 | 34.8 | | 9.4 | | 29.7 | 18.3 | | 9.4 | 23 | 25.4 | 8.3 | B |
| 8.7 | | 43.3 | 45.5 | K | 9.3 | | 30.0 | 20.9 | B | 9.2 | | 58.6 | 21.4 | B | 9.5 | | 41.0 | 24.9 | | 9.5 | | 27.4 | 12.3 | |
| 9.3 | 22 | 9.5 | 53.0 | | 9.4 | | 35.1 | 14.8 | B | 7.6 | 54 | 1.5 | 59.3 | K | 9.5 | 12 | 33.0 | 20.4 | | 9.0 | | 28.0 | 49.2 | K |
| 9.4 | | 11.1 | 58.5 | B | 9.0 | | 38.7 | 19.1 | | 9.4 | | 9.9 | 17.5 | | 9.3 | | 58.3 | 54.1 | B | 9.5 | | 39.2 | 43.5 | |
| 9.5 | | 21.2 | 59.8 | | 9.5 | | 55.3 | 40.9 | | 9.5 | | 20.2 | 11.5 | B | 9.5 | 13 | 3.2 | 8.6 | | 9.0 | | 50.8 | 52.5 | |
| 8.5 | | 21.7 | 34.1 | B | 9.0 | 39 | 12.7 | 23.0 | K | 8.5 | | 23.0 | 38.8 | K | 9.3 | | 11.4 | 59.1 | B | 9.0 | 24 | 14.5 | 40.3 | |
| 9.5 | | 28.9 | 56.2 | | 9.2 | | 21.8 | 20.5 | B | 7.3 | 55 | 55.3 | 33.2 | K | 9.5 | | 12.3 | 38.2 | | 8.8 | | 18.8 | 19.6 | |
| 9.5 | | 41.2 | 3.9 | | 9.5 | | 29.5 | 35.1 | | 6.5 | | 59.9 | 0.9 | K | 9.5 | | 39.2 | 1.1 | | 8.8 | | 22.4 | 29.9 | B |
| 9.4 | | 58.6 | 22.9 | B | 9.4 | | 30.4 | 3.7 | | 9.5 | 56 | 1.7 | 37.9 | | 7.3 | | 55.8 | 40.7 | Kb | 9.2 | | 23.8 | 2.1 | B |
| 8.9 | 23 | 32.7 | 51.8 | | 9.3 | | 40.6 | 19.8 | | 9.5 | | 15.8 | 45.1 | | 9.1 | 14 | 11.7 | 35.4 | K | 9.5 | | 42.8 | 27.9 | |
| 8.8 | 25 | 7.4 | 47.3 | K | 9.3 | | 49.7 | 28.4 | | 9.5 | | 45.3 | 18.8 | | 9.4 | | 14.1 | 52.5 | B | 9.5 | 25 | 13.4 | 55.3 | |
| 9.5 | | 27.6 | 2.7 | | 9.5 | 40 | 38.8 | 26.6 | | 9.1 | 57 | 23.0 | 52.4 | K | 8.5 | | 19.8 | 5.1 | | 8.9 | | 28.5 | 14.0 | |
| 9.2 | | 29.3 | 11.2 | B | 9.1 | | 51.0 | 54.5 | | 9.3 | | 48.0 | 23.3 | | 8.2 | | 20.0 | 48.5 | K | 9.5 | | 45.2 | 54.0 | |
| 9.3 | 26 | 11.5 | 11.6 | | 8.3 | | 59.9 | 13.6 | K | 9.1 | | 58.6 | 14.4 | | 9.5 | | 29.1 | 56.3 | | 9.5 | | 58.1 | 7.8 | |
| 8.2 | | 43.6 | 3.6 | K | 9.5 | 41 | 12.0 | 7.3 | | 8.8 | 58 | 23.5 | 30.2 | K | 8.5 | | 34.0 | 29.4 | | 9.5 | 26 | 18.3 | 45.7 | |
| 9.0 | | 50.5 | 8.2 | | 9.0 | | 13.0 | 41.4 | K | 9.2 | | 33.7 | 55.3 | | 8.5 | | 36.8 | 12.5 | | 9.4 | | 42.7 | 30.1 | |
| 8.9 | 27 | 0.3 | 54.3 | | 9.5 | | 15.5 | 49.2 | | var | | 44.5 | 24.5 | K | 7.5 | 15 | 12.3 | 13.8 | L | 9.2 | | 46.1 | 12.8 | |
| 8.6 | | 23.0 | 50.2 | K | 9.5 | | 51.6 | 7.7 | | 9.1 | 59 | 31.3 | 4.6 | | 9.4 | | 23.8 | 18.3 | | 9.1 | 27 | 19.3 | 37.7 | |
| 9.3 | | 24.8 | 36.1 | | 9.3 | 42 | 2.7 | 19.6 | | 8.3 | | 38.0 | 44.3 | L | 9.4 | | 30.0 | 1.9 | | 9.1 | | 24.6 | 4.8 | |
| 9.0 | | 28.0 | 27.6 | K | 9.0 | | 51.5 | 4.7 | | 8.6 | | 40.0 | 16.3 | K | 6.5 | | 34.0 | 44.3 | Kb | 8.0 | | 45.9 | 2.7 | K |
| 9.0 | | 38.3 | 37.7 | | 9.1 | 43 | 6.2 | 4.2 | | 9.5 | | 58.4 | 9.0 | | 7.0 | | 45.7 | 27.0 | L | 9.1 | | 56.3 | 5.3 | |
| 9.3 | | 39.5 | 50.5 | | 8.8 | 44 | 6.9 | 3.9 | | 9.0 | 0 | 5.3 | 48.0 | | 9.5 | | 50.8 | 24.0 | | 9.1 | 28 | 6.8 | 16.3 | |
| 9.5 | 28 | 11.6 | 52.4 | | 9.3 | 46 | 27.0 | 49.5 | | 9.2 | | 14.4 | 55.1 | | 9.5 | | 53.2 | 57.5 | | 9.5 | | 15.2 | 5.6 | |
| 9.2 | | 20.3 | 57.3 | aR | 9.1 | | 31.2 | 54.8 | | 8.5 | | 23.5 | 22.5 | B | 9.5 | | 53.7 | 15.1 | | 9.4 | | 22.3 | 31.7 | B |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 37.28 | 2.74 | | 10pr. | | 37.94 | 2.59 | | 10pr. | | 38.54 | 2.43 | | 10pr. | | 39.13 | 2.26 | | 10pr. | | 39.52 | 2.13 | |

| 520a | | | | |
|---|---|---|---|---|
| 8.9 | 18 | 25.1 | 53.2 | a |

| 676a | | | | |
|---|---|---|---|---|
| 9.0 | 59 | 45.0 | 45.9 | a |

801—860

| | 3ᵐ | | +40° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.5 | 28 | 24.0 | 33.7 | |
| 8.5 | | 37.3 | 21.8 | |
| 9.1 | 29 | 8.7 | 41.8 | |
| 8.8 | | 14.3 | 38.7 | Kb |
| 9.5 | | 19.7 | 29.7 | |
| 8.3 | | 26.4 | 53.6 | K |
| 7.9 | | 30.3 | 48.7 | K |
| 8.8 | | 43.8 | 21.7 | |
| 9.5 | 30 | 22.6 | 2.5 | |
| 9.0 | | 32.3 | 30.1 | |
| 9.5 | 31 | 4.0 | 9.5 | |
| 8.8 | | 14.1 | 50.4 | K |
| 7.0 | | 14.8 | 42.3 | K |
| 9.4 | | 19.3 | 15.3 | B |
| 9.3 | | 40.7 | 39.8 | |
| 8.7 | | 57.9 | 59.5 | K |
| 8.5 | 32 | 17.3 | 24.4 | L |
| 9.3 | | 18.6 | 53.7 | |
| 8.9 | 33 | 20.0 | 16.3 | K |
| 8.9 | | 21.7 | 28.3 | |
| 7.8 | | 25.2 | 31.7 | B |
| 9.4 | | 32.0 | 44.0 | |
| 9.5 | | 40.3 | 32.4 | |
| 9.5 | | 50.1 | 10.2 | B |
| 8.5 | | 50.5 | 26.3 | L |
| 9.5 | 34 | 30.9 | 11.4 | |
| 9.3 | | 51.6 | 36.0 | B |
| 7.6 | 35 | 4.8 | 28.5 | K |
| 8.8 | | 40.6 | 3.3 | |
| 9.5 | 36 | 35.8 | 7.5 | |
| 8.5 | | 38.7 | 2.3 | |
| 9.5 | 37 | 49.8 | 3.8 | |
| 8.9 | 38 | 10.6 | 35.2 | |
| 8.4 | | 16.3 | 41.7 | |
| 7.2 | | 18.3 | 4.2 | K |
| 9.0 | | 46.2 | 30.1 | |
| 9.4 | | 48.5 | 59.6 | B |
| 9.1 | | 51.5 | 28.5 | |
| 9.4 | | 55.8 | 50.5 | |
| 9.5 | | 56.1 | 54.8 | |
| 9.4 | 39 | 14.2 | 18.6 | |
| 7.3 | | 15.0 | 13.6 | K |
| 9.5 | | 59.8 | 30.0 | |
| 9.0 | 40 | 21.3 | 38.2 | |
| 9.3 | 41 | 57.0 | 10.1 | |
| 9.5 | 42 | 16.3 | 54.3 | |
| 7.2 | | 21.5 | 21.5 | K |
| 9.5 | | 33.6 | 58.0 | |
| 9.0 | | 42.3 | 33.8 | |
| 8.8 | | 50.3 | 35.6 | K |
| 8.8 | 43 | 14.8 | 45.7 | K |
| 9.5 | | 42.6 | 55.0 | |
| 8.7 | 44 | 1.6 | 53.9 | K |
| 9.3 | | 4.6 | 24.4 | |
| 8.2 | | 45.8 | 53.3 | K |
| 8.9 | 46 | 5.8 | 23.0 | K |
| 9.5 | | 7.4 | 2.7 | |
| 9.3 | | 8.9 | 51.5 | |
| 9.1 | | 21.0 | 23.9 | K |
| 9.3 | | 28.3 | 31.1 | |
| | | + | + | |
| 10 pr. | | 39.98 | 1.96 | |

861—920

| | 3ᵐ—4ᵐ | | +40° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.2 | 46 | 32.6 | 25.9 | B |
| 9.5 | | 35.7 | 22.3 | |
| 8.4 | | 56.3 | 15.2 | |
| 9.5 | 47 | 41.2 | 24.8 | |
| 9.2 | 48 | 11.9 | 35.6 | |
| 9.5 | | 22.9 | 33.2 | |
| 9.3 | | 27.7 | 52.9 | |
| 9.1 | 49 | 4.8 | 50.5 | a |
| 9.0 | | 24.7 | 49.8 | |
| 9.2 | | 32.5 | 23.0 | |
| 9.5 | | 58.2 | 49.3 | |
| 8.8 | 50 | 8.9 | 29.8 | |
| 9.4 | 51 | 56.6 | 13.9 | |
| 9.4 | | 58.2 | 23.5 | |
| 8.5 | 52 | 3.5 | 30.3 | |
| 8.0 | | 7.2 | 8.8 | K |
| 8.8 | | 22.3 | 32.0 | K |
| 9.0 | | 55.5 | 0.5 | |
| 8.7 | 53 | 8.9 | 42.9 | K |
| 9.4 | | 18.8 | 7.5 | |
| 8.0 | 54 | 40.1 | 41.8 | K |
| 8.7 | 55 | 25.6 | 1.6 | K |
| 9.5 | | 33.0 | 49.4 | |
| 9.3 | 56 | 11.2 | 22.5 | |
| 9.2 | | 25.8 | 2.3 | |
| 9.5 | | 35.2 | 39.3 | |
| 9.2 | | 56.5 | 24.3 | |
| 9.1 | | 59.8 | 8.5 | |
| 9.5 | 57 | 4.0 | 39.1 | |
| 9.0 | | 27.8 | 20.5 | B |
| 9.1 | | 30.2 | 12.8 | |
| 8.9 | | 37.3 | 10.4 | K |
| 9.5 | | 41.2 | 27.1 | |
| 9.4 | 59 | 21.9 | 16.1 | |
| 9.4 | 0 | 5.6 | 24.6 | B |
| 9.3 | | 8.0 | 3.0 | |
| 8.7 | | 36.3 | 52.7 | |
| 8.5 | 1 | 3.5 | 36.5 | K |
| 8.2 | | 6.9 | 22.5 | K |
| 8.5 | | 23.8 | 11.6 | L |
| 9.5 | | 27.0 | 50.2 | |
| 9.5 | | 27.8 | 45.4 | |
| 7.0 | | 33.3 | 32.0 | K |
| 8.0 | 2 | 54.3 | 16.7 | L |
| 9.4 | | 58.9 | 49.2 | |
| 9.0 | 3 | 3.2 | 27.5 | |
| 9.5 | | 3.5 | 38.3 | |
| 9.4 | | 16.2 | 52.7 | |
| 8.6 | | 21.5 | 11.6 | |
| 9.5 | | 33.9 | 23.0 | |
| 8.3 | 4 | 24.2 | 40.7 | |
| 4.8 | 5 | 1.5 | 6.3 | Kb |
| 9.1 | | 10.9 | 11.9 | |
| 9.5 | | 47.6 | 50.2 | |
| 9.4 | 6 | 2.4 | 29.1 | |
| 9.5 | | 10.5 | 13.7 | |
| 9.4 | | 21.5 | 1.9 | |
| 9.3 | | 23.9 | 19.2 | B |
| 8.9 | | 38.2 | 19.0 | K |
| 8.3 | 7 | 14.5 | 14.3 | K |
| | | + | + | |
| 10 pr. | | 40.54 | 1.70 | |

921—980

| | 4ᵐ | | +40° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.1 | 7 | 18.2 | 21.4 | |
| 9.4 | | 24.0 | 1.8 | |
| 9.5 | | 45.3 | 58.7 | |
| 9.5 | 8 | 29.5 | 43.4 | |
| 9.4 | | 31.7 | 19.8 | |
| 9.0 | | 40.6 | 55.3 | |
| 9.5 | 9 | 2.9 | 55.4 | |
| 8.2 | | 14.1 | 34.7 | L |
| 8.0 | | 18.5 | 38.9 | L |
| 9.5 | | 31.4 | 3.2 | |
| 9.2 | | 53.2 | 32.0 | |
| 9.2 | 10 | 5.9 | 47.8 | |
| 9.2 | | 6.9 | 42.5 | B |
| 8.8 | | 11.1 | 8.9 | |
| 9.5 | | 45.6 | 35.1 | |
| 8.9 | | 51.2 | 28.6 | |
| 9.2 | | 54.9 | 2.0 | |
| 9.5 | 11 | 11.7 | 39.1 | |
| 9.0 | | 25.2 | 49.4 | K |
| 9.5 | | 51.0 | 23.2 | |
| 9.2 | 12 | 0.0 | 49.0 | |
| 9.1 | | 2.2 | 55.4 | |
| 9.5 | | 8.9 | 8.4 | |
| 9.5 | 13 | 25.0 | 4.6 | |
| 9.3 | | 26.7 | 7.1 | |
| 9.2 | | 33.0 | 28.0 | B |
| 9.5 | | 46.4 | 13.9 | |
| 9.1 | | 52.7 | 44.0 | B |
| 9.0 | 14 | 13.2 | 36.8 | |
| 9.5 | | 15.0 | 56.5 | |
| 9.3 | | 42.2 | 3.1 | |
| 9.0 | | 59.2 | 4.1 | |
| 9.0 | 15 | 1.2 | 5.4 | B |
| 9.0 | | 10.5 | 36.4 | |
| 8.8 | | 11.4 | 18.1 | L |
| 9.5 | | 16.2 | 57.5 | |
| 8.5 | | 41.1 | 6.3 | K |
| 8.1 | | 51.9 | 16.4 | K |
| 8.9 | 16 | 10.2 | 15.2 | K |
| 9.4 | | 28.9 | 27.9 | |
| 7.3 | | 44.0 | 48.5 | K |
| 9.3 | 17 | 41.5 | 33.1 | |
| 9.5 | 18 | 8.8 | 29.8 | |
| 9.0 | | 16.9 | 41.8 | |
| 9.5 | | 31.7 | 59.4 | |
| 9.0 | | 56.8 | 44.1 | K |
| 8.8 | 19 | 4.5 | 36.7 | K |
| 9.5 | | 30.5 | 25.1 | |
| 9.4 | | 43.0 | 40.1 | |
| 9.3 | 20 | 20.9 | 49.0 | |
| 9.4 | | 29.2 | 21.8 | |
| 9.5 | | 37.0 | 50.1 | |
| 8.7 | | 38.1 | 9.5 | |
| 8.6 | | 41.2 | 46.3 | |
| 9.2 | 21 | 3.9 | 13.5 | |
| 9.3 | | 6.2 | 14.3 | B |
| 9.4 | | 42.8 | 31.0 | |
| 9.5 | | 47.9 | 27.7 | |
| 8.5 | 22 | 15.5 | 29.6 | R |
| 9.5 | | 20.9 | 59.7 | |
| | | + | + | |
| 10 pr. | | 40.95 | 1.48 | |

981—1040

| | 4ᵐ | | +40° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.5 | 22 | 39.7 | 54.7 | |
| 9.2 | | 48.0 | 34.5 | |
| 8.5 | 23 | 5.3 | 33.6 | K |
| 9.4 | | 5.5 | 23.1 | |
| 9.5 | | 6.4 | 24.7 | |
| 9.2 | | 19.4 | 53.0 | |
| 8.8 | | 20.0 | 12.2 | K |
| 9.1 | | 27.1 | 31.3 | |
| 9.5 | | 36.5 | 23.0 | |
| 9.0 | | 55.2 | 36.2 | |
| 9.0 | 24 | 4.9 | 59.7 | K |
| 9.2 | | 7.8 | 38.5 | a |
| 9.3 | | 32.8 | 53.2 | |
| 9.4 | | 37.2 | 22.5 | |
| 9.1 | 25 | 1.0 | 28.6 | |
| 9.3 | | 24.3 | 49.9 | |
| 9.0 | | 34.5 | 28.5 | |
| 9.5 | 26 | 11.7 | 4.3 | |
| 7.8 | | 37.1 | 46.6 | K |
| 5.0 | | 39.2 | 58.0 | K |
| 9.5 | 27 | 20.2 | 36.5 | |
| 9.0 | | 23.0 | 33.0 | |
| 9.3 | | 53.0 | 46.4 | |
| 9.5 | | 55.0 | 42.7 | |
| 8.5 | 28 | 10.4 | 48.9 | K |
| 9.5 | | 27.1 | 14.5 | |
| 9.2 | | 42.5 | 35.5 | |
| 9.5 | | 48.0 | 23.7 | |
| 8.7 | 29 | 1.9 | 57.4 | K |
| 9.0 | | 6.9 | 55.5 | K |
| 9.5 | | 19.7 | 48.5 | |
| 9.4 | | 22.4 | 44.1 | |
| 9.0 | | 24.8 | 13.5 | L |
| 9.4 | | 27.9 | 10.5 | |
| 9.5 | | 57.6 | 1.3 | |
| 9.5 | 30 | 1.0 | 57.0 | |
| 6.5 | | 11.9 | 29.8 | K |
| 9.5 | | 13.4 | 1.3 | |
| 9.4 | | 14.3 | 16.0 | |
| 8.7 | | 24.5 | 33.5 | K |
| 9.5 | 31 | 3.6 | 48.3 | |
| 9.5 | | 42.4 | 11.9 | |
| 9.4 | 32 | 23.9 | 53.8 | |
| 9.5 | | 32.7 | 25.4 | |
| 9.5 | | 38.8 | 38.2 | |
| 8.5 | | 57.8 | 6.3 | K |
| 9.4 | 33 | 15.4 | 27.8 | |
| 9.4 | | 20.8 | 27.2 | |
| 9.2 | | 40.7 | 13.0 | |
| 9.2 | | 49.2 | 11.3 | |
| 9.0 | | 53.7 | 43.7 | K |
| 6.2 | 34 | 10.8 | 30.6 | Kb |
| 9.3 | | 31.4 | 36.8 | |
| 9.2 | | 35.3 | 45.0 | |
| 9.5 | 35 | 12.0 | 18.6 | |
| 9.3 | | 19.5 | 3.2 | |
| 9.5 | | 20.5 | 23.0 | |
| 9.4 | | 56.4 | 11.0 | |
| 9.0 | | 57.4 | 8.9 | B |
| 9.0 | | 58.7 | 20.4 | |
| | | + | + | |
| 10 pr. | | 41.25 | 1.29 | |

1041—1100

| | 4ᵐ | | +40° | |
|---|---|---|---|---|
| m | | ″ | ′ | |
| 9.4 | 36 | 10.7 | 43.0 | |
| 9.5 | | 15.1 | 52.9 | |
| 8.5 | | 26.4 | 38.2 | |
| 9.5 | | 42.2 | 48.7 | |
| 6.5 | | 44.9 | 2.8 | K |
| 9.3 | 37 | 0.5 | 52.0 | |
| 9.5 | | 1.3 | 53.2 | |
| 9.4 | | 16.3 | 32.0 | |
| 9.1 | | 17.7 | 25.6 | |
| 9.5 | | 31.9 | 33.3 | |
| 9.0 | | 53.1 | 2.4 | B |
| 9.4 | 38 | 12.9 | 31.1 | |
| 9.4 | | 23.3 | 31.3 | |
| 9.1 | | 24.6 | 26.4 | b |
| 9.2 | | 33.5 | 3.4 | |
| 9.5 | | 41.8 | 50.2 | |
| 9.5 | 39 | 7.6 | 32.5 | |
| 9.4 | | 15.8 | 44.7 | |
| 9.5 | | 21.0 | 59.8 | |
| 9.2 | | 47.4 | 40.0 | |
| 9.2 | 40 | 34.9 | 36.0 | |
| 8.2 | | 43.6 | 20.9 | K |
| 9.1 | 41 | 0.3 | 43.4 | |
| 9.2 | | 32.9 | 28.5 | |
| 9.5 | | 46.1 | 10.0 | |
| 8.7 | | 52.5 | 41.7 | |
| 9.5 | | 54.6 | 22.7 | |
| 8.3 | 42 | 3.5 | 16.7 | K |
| 9.4 | | 5.0 | 23.5 | |
| 9.4 | | 16.2 | 35.4 | |
| 9.5 | | 39.3 | 27.7 | |
| 8.7 | | 40.9 | 14.8 | K |
| 9.5 | | 54.6 | 53.3 | |
| 8.7 | 43 | 19.1 | 48.9 | Kb |
| 9.4 | | 37.5 | 34.6 | |
| 9.5 | | 50.0 | 29.8 | |
| 8.2 | | 54.5 | 10.1 | K |
| 9.1 | 44 | 9.0 | 43.6 | |
| 9.2 | | 13.3 | 0.6 | |
| 9.4 | | 20.9 | 28.9 | |
| 9.1 | | 23.7 | 50.6 | |
| 9.5 | | 39.8 | 56.4 | |
| 9.5 | | 43.8 | 25.6 | |
| 9.5 | | 45.4 | 55.3 | B |
| 8.3 | 45 | 4.1 | 30.6 | K |
| 9.0 | | 12.3 | 29.6 | |
| 8.5 | | 16.0 | 20.2 | K |
| 9.0 | | 32.9 | 39.7 | |
| 9.5 | | 43.4 | 50.5 | |
| 9.3 | | 52.4 | 17.4 | |
| 9.4 | 46 | 4.0 | 15.7 | |
| 9.3 | | 4.3 | 58.4 | |
| 9.5 | | 7.2 | 13.0 | |
| 9.5 | | 10.9 | 45.0 | |
| 9.4 | | 26.4 | 55.5 | |
| 9.5 | | 43.2 | 52.9 | |
| 9.5 | | 48.8 | 34.0 | |
| 9.4 | | 49.5 | 54.6 | |
| 9.3 | | 49.9 | 5.6 | |
| 9.4 | | 50.9 | 53.2 | B |
| | | + | + | |
| 10 pr. | | 41.49 | 1.11 | |

| 1101—1160 | | | | | 1161—1220 | | | | | 1221—1280 | | | | | 1281—1340 | | | | | 1341—1400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ | | +40° | | | 4ᵐ—5ᵐ | | +40° | | | 5ᵐ | | +40° | | | 5ᵐ | | +40° | | | 5ᵐ | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 47 | 9.9 | 54.6 | | 9.5 | 54 | 47.2 | 25.8 | | 9.5 | 5 | 13.4 | 21.7 | | 9.5 | 14 | 38.4 | 19.7 | | 9.5 | 25 | 57.6 | 30.5 | |
| 9.0 | | 11.4 | 16.3 | K | 9.4 | | 53.2 | 22.8 | B | 9.3 | | 18.8 | 12.8 | | 9.2 | | 51.5 | 0.2 | | 9.1 | 26 | 1.5 | 46.0 | b |
| 9.5 | | 12.2 | 46.1 | | 9.4 | 55 | 10.9 | 40.4 | | 9.2 | | 27.6 | 7.1 | | 9.5 | 15 | 22.5 | 15.5 | | 8.5 | | 4.8 | 4.2 | K |
| 9.3 | | 12.3 | 42.8 | | 8.7 | | 14.3 | 21.2 | | 9.5 | | 49.6 | 8.4 | | 9.4 | | 38.6 | 30.8 | | 9.1 | | 24.2 | 59.1 | |
| 9.4 | | 26.1 | 20.5 | | 9.3 | | 14.3 | 25.5 | | 8.4 | | 53.7 | 55.3 | K | 8.9 | 16 | 5.3 | 6.7 | Kb | 9.4 | | 35.4 | 21.1 | |
| 9.3 | | 32.4 | 48.6 | | 9.0 | | 20.7 | 3.2 | | 8.9 | 6 | 6.1 | 17.5 | | 9.4 | | 21.0 | 13.3 | | 6.7 | | 44.0 | 5.0 | K |
| 9.5 | | 32.7 | 43.2 | | 9.2 | | 50.5 | 45.6 | | 9.5 | | 19.5 | 5.6 | | 9.3 | | 48.5 | 43.1 | | 8.4 | | 47.2 | 12.6 | K |
| 9.5 | | 34.9 | 45.5 | | 9.3 | 56 | 6.4 | 40.2 | | 9.2 | | 23.5 | 1.7 | | 9.4 | 17 | 6.0 | 31.3 | | 9.4 | | 50.5 | 8.1 | |
| 9.5 | | 36.0 | 41.2 | | 9.5 | | 17.4 | 50.0 | | 9.5 | | 54.4 | 26.6 | | 9.5 | | 8.5 | 47.6 | | 9.2 | 27 | 4.0 | 5.6 | |
| 9.5 | | 38.0 | 20.9 | | 9.2 | | 22.6 | 38.0 | | 9.4 | 7 | 7.2 | 1.1 | | 9.1 | | 23.8 | 34.3 | | 9.5 | | 11.4 | 38.1 | |
| 9.5 | | 38.6 | 42.7 | | 8.0 | | 24.7 | 24.9 | K | 8.9 | | 10.6 | 37.9 | | 7.7 | | 26.6 | 31.1 | K | 9.5 | | 20.2 | 55.0 | |
| 9.5 | | 43.3 | 22.5 | | 9.2 | | 37.5 | 16.5 | | 9.4 | | 11.0 | 23.1 | | 9.3 | | 38.5 | 27.4 | | 9.2 | | 30.1 | 42.7 | |
| 9.2 | | 50.4 | 50.6 | | 9.0 | 57 | 2.0 | 58.1 | K | 9.5 | | 38.8 | 32.8 | | 9.5 | | 44.2 | 12.8 | | 9.4 | | 34.6 | 34.3 | |
| 8.5 | 48 | 26.3 | 33.0 | | 9.5 | | 3.6 | 8.7 | | 9.5 | | 39.3 | 35.3 | | 9.4 | | 45.8 | 4.4 | | 9.5 | | 53.0 | 13.0 | |
| 9.2 | | 31.1 | 39.7 | | 9.3 | | 8.1 | 45.3 | | 9.0 | | 41.6 | 24.1 | | 9.4 | | 54.5 | 12.1 | | 8.5 | 28 | 13.2 | 31.1 | K |
| 8.4 | | 46.0 | 1.4 | | 9.0 | | 10.3 | 43.2 | | 8.9 | | 42.7 | 38.7 | | 8.5 | | 55.7 | 13.8 | K | 9.5 | | 19.3 | 13.0 | |
| 8.7 | | 47.2 | 48.4 | | 9.3 | | 20.0 | 54.6 | | 9.3 | | 45.4 | 12.8 | | 8.5 | | 58.0 | 12.8 | K | 9.5 | | 20.7 | 40.7 | |
| 9.4 | | 54.3 | 3.1 | B | 9.5 | | 23.5 | 40.8 | | 9.5 | 8 | 2.5 | 1.7 | | 9.0 | 18 | 2.8 | 14.0 | K | 9.5 | | 27.5 | 57.7 | |
| 9.5 | | 56.3 | 50.6 | | 9.5 | | 43.0 | 21.0 | | 9.1 | | 2.8 | 53.3 | | 9.5 | | 9.0 | 1.0 | | 9.4 | | 31.0 | 26.1 | |
| 8.9 | 49 | 8.0 | 50.1 | K | 9.4 | 58 | 1.3 | 16.3 | | 6.7 | | 32.7 | 18.0 | K | 8.6 | | 12.5 | 41.7 | K | 9.4 | | 58.6 | 34.5 | |
| 9.2 | | 8.5 | 3.0 | a | 9.2 | | 6.0 | 33.3 | b | 9.5 | | 36.5 | 23.0 | | 9.5 | | 33.7 | 22.9 | | 9.5 | 29 | 13.5 | 32.2 | |
| 9.5 | | 34.7 | 36.2 | | 9.5 | | 19.1 | 17.3 | | 9.4 | | 36.5 | 36.7 | | 9.3 | | 38.4 | 59.0 | | 9.5 | | 15.5 | 50.8 | |
| 9.5 | | 52.9 | 1.3 | | 9.1 | | 19.5 | 12.2 | | 9.5 | | 42.0 | 31.4 | | 9.1 | 19 | 4.4 | 58.5 | | 9.4 | | 17.9 | 20.7 | |
| 9.3 | 50 | 8.2 | 49.1 | | 9.4 | 59 | 6.1 | 2.0 | | 8.7 | | 44.6 | 15.0 | K | 8.8 | | 10.0 | 17.0 | K | 9.4 | | 33.6 | 3.7 | |
| 7.9 | | 17.0 | 7.0 | K | 9.5 | | 11.4 | 44.1 | | 7.3 | | 45.7 | 56.2 | K | 9.0 | | 14.7 | 29.8 | | 9.5 | | 50.0 | 50.6 | |
| 9.5 | | 35.4 | 33.2 | | 9.4 | | 12.0 | 58.0 | | 9.3 | 9 | 18.0 | 33.5 | | 9.2 | | 23.9 | 43.6 | | 9.5 | | 50.4 | 32.3 | |
| 9.0 | | 37.9 | 39.0 | | 9.4 | | 26.2 | 12.3 | | 8.5 | | 20.6 | 53.1 | K | 9.5 | | 30.3 | 11.7 | | 9.5 | 30 | 33.5 | 19.5 | |
| 7.4 | | 39.3 | 0.9 | K | 9.5 | | 36.5 | 35.3 | | 8.9 | | 25.8 | 12.2 | K | 8.5 | | 40.2 | 41.6 | K | 9.4 | | 44.7 | 32.7 | |
| 9.2 | | 42.0 | 50.2 | | 8.4 | 0 | 11.0 | 28.5 | K | 9.3 | | 37.7 | 47.8 | | 9.5 | | 51.0 | 51.8 | K | 7.5 | | 54.1 | 47.8 | K |
| 9.4 | | 50.6 | 56.3 | | 9.4 | | 11.0 | 53.3 | | 8.8 | | 44.6 | 49.8 | K | 7.2 | 20 | 11.6 | 23.5 | K | 9.3 | | 59.5 | 38.9 | |
| 9.0 | | 52.3 | 25.4 | K | 8.8 | | 11.9 | 10.2 | | 8.7 | | 52.3 | 30.8 | | 8.6 | | 13.9 | 29.1 | | 8.8 | 31 | 3.0 | 5.5 | |
| 9.2 | | 55.4 | 16.0 | | 9.5 | | 14.2 | 11.4 | | 9.5 | | 58.7 | 1.2 | | 8.6 | | 18.8 | 14.3 | | 9.4 | | 9.6 | 47.8 | |
| 8.2 | 51 | 20.9 | 18.7 | K | 9.5 | | 25.7 | 8.1 | | 5.8 | 10 | 3.8 | 56.0 | K | 9.3 | | 39.5 | 56.2 | | 9.5 | | 14.1 | 10.9 | |
| 9.5 | | 30.8 | 48.7 | | 7.8 | | 27.0 | 38.8 | K | 9.0 | | 22.4 | 10.1 | K | 9.5 | | 52.0 | 15.0 | | 9.5 | | 21.1 | 48.3 | |
| 9.1 | | 41.2 | 59.2 | K | 9.5 | | 33.3 | 28.0 | | 7.8 | | 44.7 | 43.7 | Kb | 9.4 | | 57.4 | 20.7 | | 9.5 | | 22.6 | 50.3 | |
| 9.5 | | 54.6 | 18.0 | | 8.1 | | 38.7 | 48.7 | K | 9.3 | | 48.3 | 38.3 | | 9.1 | 21 | 0.4 | 22.7 | | 8.5 | | 34.4 | 52.3 | K |
| 9.0 | | 55.7 | 8.9 | | 9.1 | | 42.0 | 52.3 | K | 9.2 | | 59.5 | 53.9 | | 8.8 | | 0.9 | 34.0 | | 9.4 | | 42.3 | 12.7 | |
| 9.5 | 52 | 0.8 | 38.8 | | 9.5 | | 42.6 | 23.4 | | 9.3 | 11 | 1.7 | 49.5 | | 8.3 | | 10.0 | 23.7 | | 8.9 | | 52.5 | 10.7 | |
| 9.4 | | 12.4 | 13.4 | | 9.4 | | 46.1 | 11.3 | | 9.3 | | 6.8 | 40.1 | | 9.4 | 22 | 9.1 | 26.0 | | 9.3 | | 57.0 | 33.0 | |
| 9.4 | | 15.1 | 38.6 | | 9.5 | | 58.0 | 43.7 | | 9.5 | | 18.0 | 46.4 | | 9.5 | | 19.1 | 6.2 | | 9.5 | 32 | 1.5 | 43.6 | |
| 8.8 | | 16.2 | 8.0 | K | 9.4 | 1 | 17.5 | 1.2 | | 9.3 | | 21.4 | 40.7 | | 9.0 | | 27.7 | 54.4 | | 9.5 | | 9.5 | 38.2 | |
| 3.6 | | 22.0 | 51.9 | K | 9.0 | | 39.3 | 45.7 | | 8.6 | | 48.6 | 9.8 | | 9.4 | | 32.6 | 44.1 | | 9.5 | | 12.0 | 12.9 | |
| 9.5 | | 22.1 | 33.2 | | 9.5 | | 58.2 | 33.0 | | 9.2 | | 59.6 | 37.7 | | 9.5 | | 44.4 | 36.2 | | 9.0 | | 18.5 | 48.2 | K |
| 9.5 | | 23.9 | 1.1 | | 9.5 | | 59.9 | 39.9 | | 9.1 | 12 | 12.4 | 49.5 | | 8.8 | 23 | 0.3 | 47.3 | K | 9.0 | | 18.9 | 48.7 | K |
| 9.4 | | 30.2 | 47.6 | | 9.5 | 2 | 6.9 | 40.2 | | 9.3 | | 13.2 | 38.4 | | 9.5 | | 6.2 | 6.5 | | 8.7 | | 25.0 | 15.8 | |
| 9.5 | | 32.3 | 29.9 | B | 9.1 | | 12.9 | 31.3 | b | 9.1 | | 14.6 | 26.8 | | 9.5 | | 11.4 | 7.1 | | 9.0 | | 38.1 | 10.1 | |
| 9.5 | | 39.0 | 56.0 | | 9.4 | | 21.4 | 30.8 | | 8.6 | | 35.2 | 48.5 | | 9.3 | | 27.1 | 56.4 | | 9.3 | | 40.4 | 22.6 | |
| 9.5 | | 43.5 | 7.3 | | 9.3 | | 23.5 | 4.8 | | 6.0 | | 38.9 | 52.7 | K | 8.8 | | 30.3 | 41.2 | K | 8.3 | | 48.5 | 38.3 | B |
| 9.5 | | 54.9 | 48.0 | | 9.3 | | 35.2 | 44.2 | | 9.5 | | 55.1 | 49.8 | | 9.5 | | 31.3 | 35.8 | | 9.5 | | 56.1 | 10.9 | |
| 7.8 | 53 | 3.1 | 20.2 | K | 9.5 | | 46.4 | 5.9 | | 9.5 | 13 | 14.6 | 59.5 | | 9.4 | | 52.0 | 7.0 | | 9.0 | | 56.4 | 37.6 | |
| 9.4 | | 6.5 | 50.8 | | 9.5 | | 55.0 | 12.6 | | 9.5 | | 14.7 | 34.0 | | 9.3 | | 56.4 | 45.1 | | 9.5 | 33 | 1.6 | 22.8 | |
| 9.4 | | 11.9 | 58.0 | | 9.2 | 3 | 4.2 | 37.7 | | 9.4 | | 16.6 | 58.5 | | 9.1 | 24 | 4.8 | 35.8 | | 9.5 | | 25.7 | 52.3 | |
| 9.2 | | 40.0 | 10.6 | | 7.6 | | 9.1 | 0.9 | K | 8.7 | | 22.2 | 0.4 | Kb | 9.0 | | 5.5 | 27.6 | | 9.5 | | 30.8 | 50.6 | |
| 8.0 | | 48.3 | 28.4 | K | 9.1 | | 51.9 | 8.1 | | 8.9 | | 23.0 | 33.3 | | 8.9 | | 20.0 | 41.7 | K | 9.5 | | 36.2 | 59.6 | |
| 9.3 | | 55.1 | 12.7 | | 7.6 | 4 | 7.3 | 3.9 | K | 9.5 | | 34.1 | 22.5 | | 9.0 | | 30.3 | 19.5 | | 9.5 | | 36.9 | 53.3 | |
| 9.3 | 54 | 3.5 | 45.2 | | 9.0 | | 14.3 | 55.2 | K | 9.3 | | 43.2 | 19.3 | | 9.2 | | 46.0 | 25.2 | | 9.5 | | 47.8 | 46.6 | |
| 9.4 | | 7.2 | 14.8 | | 9.2 | | 22.0 | 21.6 | | 9.5 | 14 | 3.3 | 58.6 | | 9.5 | | 47.8 | 47.9 | | 8.2 | 34 | 14.6 | 19.9 | K |
| 9.5 | | 12.3 | 0.9 | | 9.3 | | 24.0 | 11.7 | | 9.5 | | 22.8 | 45.6 | | 9.2 | 25 | 6.3 | 7.6 | | 9.5 | | 30.0 | 27.0 | |
| 9.4 | | 16.2 | 18.5 | | 9.3 | | 56.1 | 33.6 | | 9.5 | | 26.6 | 31.3 | | 9.0 | | 8.7 | 0.8 | | 9.5 | | 34.2 | 17.7 | |
| 9.4 | | 35.9 | 10.6 | | 9.5 | 5 | 6.6 | 42.7 | | 9.4 | | 29.3 | 25.9 | | 9.3 | | 44.8 | 55.0 | | 9.5 | 35 | 4.6 | 1.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 41.62 | 1.00 | | 10pr. | | 41.75 | 0.87 | | 10pr. | | 41.87 | 0.72 | | 10pr. | | 41.97 | 0.58 | | 10pr. | | 42.06 | 0.42 | |

| 1401—1460 | | | | | 1461—1520 | | | | | 1521—1580 | | | | | 1581—1640 | | | | | 1641—1700 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5ᵐ | | +40° | | | 5ᵐ—6ᵐ | | +40° | | | 6ᵐ | | +40° | | | 6ᵐ | | +40° | | | 6ᵐ | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.5 | 35 | 6.7 | 25.3 | | 9.5 | 46 | 32.8 | 15.6 | | 9.3 | 3 | 19.2 | 7.9 | | 7.0 | 13 | 27.0 | 35.1 | K | 9.2 | 24 | 50.6 | 33.8 | |
| 9.5 | | 14.5 | 52.0 | | 9.5 | | 42.4 | 32.3 | | 9.5 | | 22.8 | 35.9 | | 9.0 | | 37.0 | 17.6 | | 9.2 | 25 | 0.8 | 39.6 | |
| 6.6 | | 39.5 | 26.4 | K | 9.5 | | 48.5 | 30.8 | | 9.5 | | 54.8 | 5.3 | | 7.7 | | 41.3 | 52.6 | K | 9.2 | | 5.6 | 43.0 | B |
| 9.5 | | 55.0 | 16.5 | | 9.1 | 47 | 12.2 | 20.7 | | 9.3 | 4 | 12.8 | 59.0 | B | 8.3 | | 58.0 | 29.1 | K | 9.2 | | 30.2 | 48.2 | |
| 9.2 | 36 | 4.6 | 53.6 | Kb | 9.5 | | 35.5 | 3.3 | | 9.2 | | 15.3 | 17.5 | | 9.4 | 14 | 8.9 | 44.8 | | 9.5 | 26 | 27.8 | 14.3 | |
| 9.3 | | 5.0 | 54.7 | | 8.1 | | 40.4 | 46.6 | B | 9.4 | | 23.3 | 42.3 | | 9.0 | | 15.0 | 4.5 | | 9.3 | | 31.0 | 52.6 | |
| 9.5 | | 54.6 | 7.1 | | 9.5 | | 52.6 | 1.4 | | 9.1 | | 32.5 | 50.9 | | 9.3 | | 23.4 | 43.0 | | 9.3 | | 40.0 | 57.3 | |
| 9.2 | | 55.7 | 45.7 | | 9.5 | | 56.0 | 38.1 | | 9.4 | 5 | 13.8 | 17.7 | | 8.6 | | 29.2 | 26.5 | K | 9.3 | | 49.9 | 55.0 | B |
| 9.5 | | 57.3 | 14.5 | | 7.5 | 48 | 6.5 | 45.8 | B | 9.5 | | 20.4 | 52.9 | | 8.4 | | 42.7 | 55.2 | Kb | 9.4 | 27 | 5.5 | 29.5 | B |
| 9.5 | 37 | 13.0 | 42.8 | | 9.0 | | 13.5 | 17.8 | | 9.2 | | 21.5 | 26.6 | | 9.5 | | 49.5 | 16.9 | | 8.6 | | 8.3 | 5.9 | |
| 9.5 | | 15.1 | 2.3 | | 9.2 | | 27.8 | 29.8 | | 9.3 | | 56.7 | 34.7 | | 9.5 | | 55.1 | 5.2 | | 9.0 | | 20.7 | 17.5 | |
| 9.3 | | 17.2 | 13.8 | | 7.6 | 49 | 8.4 | 0.8 | | 9.4 | | 58.9 | 19.3 | | 9.5 | | 57.3 | 19.9 | | 9.5 | | 21.8 | 27.5 | |
| 9.4 | | 19.0 | 8.4 | | 8.8 | 50 | 1.0 | 21.1 | | 9.1 | 6 | 4.3 | 58.0 | | 9.2 | 15 | 5.0 | 56.3 | | 8.2 | | 22.0 | 45.9 | B |
| 9.5 | | 21.9 | 41.1 | | 9.5 | | 1.5 | 11.0 | | 9.5 | | 8.7 | 42.3 | | 8.8 | | 23.5 | 25.7 | K | 8.0 | | 24.0 | 41.0 | B |
| 9.3 | | 27.0 | 9.8 | | 9.5 | | 27.6 | 30.5 | | 9.5 | | 13.2 | 10.5 | | 9.3 | | 23.5 | 7.9 | | 8.5 | | 36.2 | 52.6 | K |
| 9.1 | 38 | 7.5 | 42.3 | | 9.5 | 51 | 2.7 | 24.1 | | 9.2 | | 33.3 | 29.8 | | 9.5 | | 44.2 | 38.0 | | 9.3 | | 44.4 | 47.9 | |
| 9.5 | | 42.1 | 56.6 | | 9.5 | | 5.2 | 3.4 | | 9.2 | | 42.5 | 8.0 | | 9.4 | | 52.5 | 6.7 | | 9.0 | | 47.0 | 16.8 | |
| 7.9 | | 47.5 | 6.7 | K | 8.8 | | 13.0 | 39.2 | K | 9.3 | | 43.3 | 38.8 | | 7.8 | 16 | 1.4 | 0.0 | Lb | 9.5 | 28 | 2.4 | 45.3 | |
| 8.9 | | 53.3 | 24.9 | B | 9.4 | | 45.8 | 25.5 | | 9.1 | | 46.5 | 32.3 | | 7.5 | | 13.0 | 26.4 | L | 9.4 | | 4.4 | 46.3 | B |
| 9.4 | 39 | 12.4 | 41.7 | | 9.4 | | 49.7 | 42.8 | | 7.6 | 7 | 5.7 | 56.0 | K | 9.4 | | 45.6 | 2.1 | | 9.0 | | 22.0 | 12.6 | |
| 9.5 | | 30.9 | 4.8 | | 9.5 | 52 | 13.6 | 52.4 | | 9.0 | | 9.3 | 59.4 | K | 9.2 | | 48.0 | 38.0 | | 9.2 | | 23.4 | 27.4 | B |
| 8.3 | | 32.5 | 54.5 | K | 9.0 | | 19.8 | 49.1 | | 9.5 | | 27.8 | 14.7 | | 9.3 | | 51.1 | 45.2 | | 9.2 | | 24.3 | 23.1 | |
| 9.5 | | 48.6 | 6.5 | | 9.2 | | 28.9 | 54.0 | | 7.5 | | 29.7 | 21.6 | L | 7.8 | 17 | 1.3 | 17.3 | G | 7.0 | | 27.8 | 27.9 | B |
| 7.4 | 40 | 5.8 | 3.1 | B | 9.0 | | 54.1 | 59.6 | | 8.4 | | 35.3 | 25.2 | | 9.2 | | 5.0 | 50.9 | | 8.9 | | 33.3 | 27.6 | B |
| 8.8 | | 13.5 | 22.9 | | 9.5 | 53 | 0.4 | 34.4 | | 7.4 | | 37.3 | 14.0 | L | 9.5 | | 19.7 | 40.5 | | 6.1 | | 42.7 | 1.4 | K |
| 8.3 | | 16.4 | 49.1 | K | 9.5 | | 16.0 | 3.8 | | 8.5 | | 44.8 | 46.4 | | 9.5 | | 20.7 | 38.0 | B | 8.8 | | 58.1 | 35.6 | |
| 9.0 | | 41.3 | 15.3 | | 9.1 | | 42.5 | 1.7 | | 8.9 | | 50.7 | 54.3 | K | 9.5 | | 23.9 | 34.8 | | 9.4 | 29 | 29.2 | 4.6 | |
| 9.1 | | 45.6 | 49.1 | | 7.5 | 55 | 43.4 | 41.3 | B | 9.5 | | 55.2 | 29.6 | | 9.5 | 18 | 4.5 | 30.7 | | 9.1 | | 37.0 | 34.9 | |
| 9.4 | | 53.4 | 57.3 | | 9.5 | | 47.0 | 23.6 | B | 9.1 | 8 | 1.6 | 30.6 | B | 9.5 | | 16.6 | 54.4 | | 9.2 | | 41.2 | 9.8 | B |
| 9.5 | 41 | 8.5 | 3.0 | | 9.5 | | 50.7 | 55.4 | | 9.5 | | 17.0 | 45.0 | | 8.3 | | 21.0 | 8.5 | K | 8.9 | | 41.5 | 6.0 | K |
| 9.4 | | 38.2 | 27.2 | | 9.1 | 56 | 18.2 | 33.6 | | 8.7 | | 31.4 | 0.6 | | 9.0 | | 25.5 | 22.1 | | 9.4 | | 45.1 | 39.3 | |
| 9.5 | | 39.7 | 13.8 | | 9.5 | | 31.4 | 22.7 | | 8.5 | | 31.5 | 14.3 | K | 9.5 | | 42.6 | 23.3 | | 9.4 | | 47.7 | 50.7 | |
| 7.8 | | 56.5 | 55.2 | K | 9.0 | | 35.0 | 9.9 | | 8.6 | | 43.0 | 34.3 | K | 7.3 | | 46.0 | 12.5 | K | 9.5 | | 59.0 | 54.4 | |
| 9.2 | | 58.3 | 39.1 | | 9.2 | | 47.7 | 42.3 | | 9.5 | | 43.3 | 33.0 | | 9.4 | 19 | 10.4 | 39.7 | | 9.2 | 30 | 21.7 | 13.9 | |
| 8.5 | 42 | 21.2 | 6.5 | S | 9.1 | 57 | 19.0 | 12.4 | b | 8.9 | | 46.8 | 55.0 | K | 9.5 | | 24.0 | 49.6 | | 9.5 | | 31.1 | 25.5 | |
| 9.4 | | 21.8 | 2.8 | | 9.5 | | 22.3 | 18.3 | | 9.0 | | 56.2 | 47.2 | | 9.5 | | 52.0 | 20.0 | | 7.4 | | 36.0 | 17.9 | K |
| 8.8 | | 28.5 | 56.6 | K | 9.3 | | 50.6 | 12.1 | | 9.3 | 9 | 18.3 | 24.4 | | 9.5 | | 52.0 | 31.8 | | 9.4 | | 40.0 | 44.5 | |
| 9.3 | | 29.0 | 5.7 | | 9.3 | 58 | 3.0 | 50.2 | | 8.0 | | 23.7 | 42.1 | B | 9.4 | 20 | 0.9 | 20.0 | | 8.8 | | 40.6 | 14.4 | K |
| 9.4 | | 34.2 | 8.2 | | 9.4 | | 27.0 | 33.6 | | 9.4 | | 27.7 | 56.0 | | 9.4 | | 44.4 | 10.6 | | 8.7 | 31 | 8.0 | 22.0 | K |
| 9.2 | | 44.9 | 23.5 | | 9.5 | | 29.0 | 32.4 | | 9.5 | | 43.5 | 37.2 | | 9.1 | 21 | 35.0 | 18.3 | K | 9.5 | | 24.6 | 10.0 | B |
| 8.5 | | 52.5 | 53.5 | K | 9.4 | | 35.2 | 3.5 | | 8.7 | | 51.2 | 27.1 | | 9.2 | | 41.0 | 17.3 | | 9.2 | | 33.0 | 30.4 | |
| 9.4 | | 59.8 | 37.3 | | 9.5 | | 53.7 | 14.3 | | 9.5 | 10 | 0.1 | 57.3 | | 9.5 | | 41.6 | 25.0 | | 8.7 | | 57.3 | 24.5 | K |
| 8.4 | 43 | 6.9 | 40.8 | | 8.4 | 59 | 31.0 | 32.1 | K | 9.5 | | 7.3 | 37.4 | | 8.8 | | 53.0 | 30.4 | K | 9.2 | 32 | 10.4 | 34.6 | |
| 9.5 | | 12.5 | 16.6 | | 9.5 | 0 | 4.3 | 34.8 | | 9.5 | | 24.3 | 36.3 | | 8.9 | | 58.1 | 31.9 | K | 8.8 | | 13.5 | 44.3 | |
| 8.9 | | 23.5 | 8.9 | | 9.5 | | 16.8 | 25.6 | | 9.1 | | 25.5 | 22.7 | K | 9.0 | 22 | 10.4 | 0.0 | | 8.5 | | 31.2 | 2.3 | |
| 8.1 | | 24.0 | 22.8 | B | 7.7 | | 26.3 | 35.8 | K | 9.0 | | 41.8 | 21.5 | K | 9.5 | | 14.4 | 1.4 | | 9.2 | | 47.0 | 40.6 | |
| 9.2 | | 49.5 | 39.4 | | 9.5 | | 46.2 | 13.1 | | 9.5 | | 48.7 | 49.6 | | 9.3 | | 27.5 | 4.9 | | 8.1 | | 47.1 | 14.6 | B |
| 9.5 | | 50.4 | 50.9 | | 7.9 | | 54.2 | 33.3 | K | 9.5 | | 58.5 | 37.6 | | 9.0 | | 41.1 | 42.2 | K | 9.4 | 33 | 11.4 | 18.9 | |
| 7.8 | | 56.8 | 21.0 | B | 9.5 | 1 | 44.0 | 33.9 | | 9.4 | 11 | 1.2 | 47.0 | | 9.0 | | 45.0 | 15.8 | | 8.9 | | 11.9 | 8.9 | |
| 9.5 | 44 | 11.5 | 25.6 | | 9.2 | | 44.7 | 14.3 | | 9.5 | | 35.2 | 40.2 | | 8.8 | | 46.4 | 6.4 | | 8.4 | | 18.8 | 6.1 | |
| 9.5 | | 12.7 | 42.5 | | 9.4 | | 48.8 | 24.7 | | 9.4 | | 37.8 | 48.6 | | 8.5 | 23 | 14.0 | 25.2 | | 9.5 | | 29.1 | 33.1 | |
| 9.4 | | 46.7 | 32.7 | | 8.8 | 2 | 23.3 | 14.0 | K | 8.5 | | 45.5 | 56.4 | K | 9.5 | | 23.7 | 52.7 | | 9.5 | | 31.2 | 1.8 | |
| 9.5 | 45 | 3.5 | 40.9 | | 8.4 | | 36.5 | 54.1 | | 9.5 | | 52.8 | 40.9 | | 9.0 | | 25.0 | 57.6 | K | 9.5 | | 32.5 | 9.9 | |
| 8.0 | | 13.4 | 34.2 | B | 9.3 | | 42.7 | 53.9 | | 9.5 | 12 | 10.5 | 52.8 | | 9.5 | | 33.6 | 38.7 | | 9.5 | | 36.6 | 29.7 | |
| 9.5 | | 23.6 | 2.1 | | 9.1 | | 45.8 | 11.5 | | 9.5 | | 11.2 | 39.7 | | 9.0 | | 42.0 | 39.9 | K | 9.5 | | 42.8 | 20.1 | |
| 8.6 | | 46.5 | 47.3 | | 9.0 | | 46.7 | 38.9 | | 8.0 | | 12.5 | 34.1 | K | 9.4 | | 43.8 | 47.8 | | 7.0 | 34 | 8.5 | 45.8 | Kb |
| 8.4 | | 47.5 | 26.3 | Kb | 9.0 | | 53.3 | 33.4 | K | 8.4 | | 21.0 | 6.7 | | 9.3 | 24 | 0.1 | 55.5 | | 9.0 | | 10.0 | 45.3 | |
| 9.5 | 46 | 6.0 | 43.0 | | 8.8 | | 54.5 | 48.1 | | 9.5 | 13 | 5.0 | 59.8 | | 8.4 | | 41.0 | 9.8 | | 9.2 | | 38.8 | 19.0 | |
| 9.4 | | 12.5 | 44.5 | B | 9.5 | 3 | 17.3 | 10.1 | | 9.4 | | 6.8 | 13.3 | | 9.5 | | 47.1 | 48.6 | | 9.4 | | 44.9 | 18.0 | |
| 9.4 | | 23.0 | 23.3 | | 9.4 | | 17.9 | 1.5 | | 9.5 | | 22.0 | 13.8 | | 9.3 | | 47.8 | 43.0 | | 9.4 | 35 | 8.1 | 38.5 | |
| | | + | + | | | | + | + | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 42.10 | 0.27 | | 10pr. | | 42.14 | 0.06 | | 10pr. | | 42.13 | 0.13 | | 10pr. | | 42.10 | 0.27 | | 10pr. | | 42.05 | 0.44 | |

| 1101—1160 | | | | | 1161— | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4ᵐ | | +40° | | | 4ᵐ— | | +40° | | 7ᵐ | | +40° | | | 7ᵐ | | +40° | | | 7ᵐ | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.3 | 47 | 9.9 | 54.6 | | 9.5 | 54 | 47 | | 9.5 | 6 | 30.6 | 29.7 | | 8.0 | 22 | 56.5 | 8.8 | B | 9.5 | 38 | 16.2 | 35.0 | |
| 9.0 | | 11.4 | 16.3 | K | 9.4 | | 5 | | 9.4 | | 48.7 | 16.1 | | 9.2 | 23 | 17.9 | 0.7 | | 9.2 | | 19.6 | 24.9 | b |
| 9.5 | | 12.2 | 46.1 | | 9.4 | 55 | | | 8.3 | | 50.4 | 15.0 | B | 9.5 | | 20.1 | 59.1 | | 9.2 | | 21.5 | 58.8 | |
| 9.3 | | 12.3 | 42.8 | | 8.7 | | | | 9.2 | 7 | 13.8 | 17.1 | | 9.4 | | 25.0 | 35.1 | B | 9.5 | 39 | 4.2 | 2.3 | |
| 9.4 | | 26.1 | 20.5 | | 9.3 | | | | 9.5 | | 24.9 | 6.1 | | 9.2 | | 27.2 | 10.6 | | 9.4 | | 18.5 | 8.3 | |
| 9.3 | | 32.4 | 48.6 | | 9.0 | | | | 9.1 | | 29.4 | 26.4 | | 9.2 | | 37.3 | 7.5 | | 9.5 | | 39.0 | 58.6 | |
| 9.5 | | 32.7 | 43.2 | | 9.2 | | | | 9.0 | | 46.1 | 23.4 | | 9.2 | | 40.9 | 26.1 | | 9.5 | | 47.1 | 2.4 | |
| 9.5 | | 34.9 | 45.5 | | 9.3 | 56 | | | 9.3 | | 52.4 | 19.2 | | 9.5 | 24 | 12.3 | 7.0 | | 9.5 | 40 | 4.6 | 26.9 | B |
| 9.5 | | 36.0 | 41.2 | | 9.5 | | | | 9.1 | | 55.4 | 50.2 | | 9.2 | | 21.5 | 21.8 | | 7.0 | | 22.9 | 7.9 | K |
| 9.5 | | 38.0 | 20.9 | | 9.2 | | | K | 9.4 | 8 | 12.6 | 51.8 | | 9.5 | | 34.9 | 2.4 | | 9.5 | | 53.0 | 7.5 | |
| 9.5 | | 38.6 | 42.7 | | 8.0 | | | K | 9.4 | | 30.1 | 51.3 | | 9.4 | 25 | 5.1 | 13.9 | | 8.9 | 41 | 45.1 | 40.7 | |
| 9.5 | | 43.3 | 22.5 | | 9.2 | | | | 9.5 | 9 | 24.3 | 6.5 | B | 7.3 | | 17.5 | 48.8 | K | 9.3 | 42 | 11.5 | 38.0 | |
| 9.2 | | 50.4 | 50.6 | | 9.0 | 57 | | | 8.9 | | 24.4 | 18.2 | K | 9.3 | | 22.0 | 31.7 | | 9.0 | | 56.9 | 38.3 | |
| 8.5 | 48 | 26.3 | 33.0 | | 9.5 | | | K | 9.4 | | 35.8 | 18.8 | B | 8.4 | | 24.1 | 1.0 | | 8.7 | 43 | 0.5 | 32.0 | |
| 9.2 | | 31.1 | 39.7 | | 9.3 | | | | 8.6 | | 52.0 | 58.8 | K | 9.4 | | 25.2 | 0.0 | | 9.2 | | 25.7 | 9.5 | |
| 8.4 | | 46.0 | 1.4 | | 9.0 | | | | 8.6 | | 55.7 | 58.3 | K | 8.5 | | 29.1 | 30.4 | | 8.6 | | 29.0 | 3.2 | |
| 8.7 | | 47.2 | 48.4 | | 9.3 | | | | 8.2 | 10 | 14.0 | 10.3 | L | 9.5 | | 32.1 | 0.0 | | 9.4 | 44 | 16.1 | 58.0 | |
| 9.4 | | 54.3 | 3.1 | B | 9.5 | | | R | 8.8 | | 33.8 | 56.5 | K | 9.3 | | 42.6 | 57.8 | | 8.0 | 45 | 10.6 | 4.2 | K |
| 9.5 | | 56.3 | 50.6 | | 9.5 | | | | 9.5 | 11 | 22.3 | 7.0 | | 9.4 | 26 | 23.9 | 4.4 | | 9.4 | | 21.4 | 0.5 | |
| 8.9 | 49 | 8.0 | 50.1 | K | 9.4 | 58 | | | 9.4 | | 33.3 | 7.5 | B | 8.9 | | 33.2 | 27.4 | K | 9.2 | | 27.9 | 14.9 | |
| 9.2 | | 8.5 | 3.0 | a | 9.2 | | | | 8.9 | | 42.6 | 38.7 | | 9.5 | | 43.5 | 24.9 | | 8.3 | | 28.7 | 44.3 | K |
| 9.5 | | 34.7 | 36.2 | | 9.5 | | | | 8.2 | 12 | 0.3 | 13.7 | B | 8.7 | 27 | 11.8 | 4.1 | | 9.3 | | 35.5 | 10.2 | |
| 9.5 | | 52.9 | 1.3 | | 9.1 | | | K | 8.4 | | 4.2 | 47.6 | B | 6.8 | | 22.2 | 20.5 | Gb | 8.8 | | 38.1 | 35.9 | |
| 9.3 | 50 | 8.2 | 49.1 | | 9.4 | 59 | | | 9.3 | | 14.0 | 29.3 | B | 8.8 | | 32.6 | 23.0 | | 7.8 | | 47.4 | 40.6 | K |
| 7.9 | | 17.0 | 7.0 | K | 9.5 | | | | 9.3 | | 24.9 | 3.4 | | 9.4 | | 48.7 | 19.9 | | 8.9 | 46 | 14.1 | 50.8 | K |
| 9.5 | | 35.4 | 33.2 | | 9.4 | | | | 9.3 | | 37.7 | 20.5 | | 9.2 | 28 | 7.2 | 15.2 | | 9.4 | 47 | 25.7 | 41.1 | |
| 9.0 | | 37.9 | 39.0 | | 9.4 | | | K | 9.4 | | 39.5 | 1.6 | | 9.2 | | 8.0 | 17.9 | | 9.2 | | 36.2 | 40.6 | B |
| 7.4 | | 39.3 | 0.9 | K | 9.5 | | | Kb | 9.2 | | 45.8 | 12.5 | | 9.3 | | 47.8 | 0.3 | | 9.5 | | 38.9 | 49.3 | |
| 9.2 | | 42.0 | 50.2 | | 8.4 | | | | 9.0 | 13 | 4.4 | 55.6 | K | 9.5 | | 49.0 | 32.1 | B | 9.2 | | 47.7 | 24.4 | b |
| 9.4 | | 50.6 | 56.3 | | 9.4 | | | | 8.1 | | 6.4 | 58.2 | K | 9.5 | 29 | 2.2 | 23.1 | | 9.2 | 48 | 21.5 | 48.5 | |
| 9.0 | | 52.3 | 25.4 | K | 8.8 | | | K | 9.5 | | 59.5 | 38.0 | | 7.3 | | 27.5 | 59.1 | K | 9.3 | 49 | 10.5 | 1.9 | B |
| 9.2 | | 55.4 | 16.0 | K | 9.5 | | | K | 5.8 | 14 | 6.4 | 57.2 | Kb | 9.5 | | 33.2 | 2.0 | | 9.5 | | 57.1 | 2.4 | |
| 8.2 | 51 | 20.9 | 18.7 | K | 9.5 | | | Kb | 9.5 | | 19.3 | 1.2 | | 9.4 | | 40.4 | 0.5 | B | 9.4 | 50 | 3.9 | 45.8 | |
| 9.5 | | 30.8 | 48.7 | | 7.8 | | | | 9.3 | | 33.0 | 20.5 | | 9.5 | | 50.1 | 13.0 | | 9.1 | | 9.8 | 14.4 | |
| 9.1 | | 41.2 | 59.2 | K | 9.5 | | | | 9.5 | 15 | 4.6 | 55.3 | | 8.9 | 30 | 23.1 | 30.0 | | 9.4 | | 27.1 | 16.5 | |
| 9.5 | | 54.6 | 18.0 | | 8.1 | | | | 9.5 | | 8.5 | 14.0 | | 8.8 | | 27.6 | 7.2 | K | 9.5 | | 35.6 | 36.9 | |
| 9.0 | | 55.7 | 8.9 | | 9.1 | | | | 9.5 | | 13.1 | 27.9 | | 9.5 | | 31.9 | 10.5 | | 9.3 | 51 | 4.5 | 1.0 | |
| 9.5 | 52 | 0.8 | 38.8 | | 9.5 | | | | 9.2 | | 15.2 | 4.9 | Rb | 9.1 | | 35.2 | 6.3 | K | 7.5 | | 7.3 | 18.0 | L |
| 9.4 | | 12.4 | 13.4 | | 9.4 | | | | 9.4 | 16 | 1.4 | 13.2 | | 9.5 | | 37.6 | 57.3 | | 8.1 | | 29.4 | 47.7 | B |
| 9.4 | | 15.1 | 38.6 | | 9.5 | | | K | 9.4 | | 12.8 | 54.7 | | 9.5 | | 46.1 | 56.8 | | 9.2 | | 33.1 | 50.2 | B |
| 8.8 | | 16.2 | 8.0 | K | 9.4 | | | | 9.3 | 17 | 15.8 | 5.6 | | 9.2 | | 46.8 | 46.6 | | 9.5 | | 41.9 | 22.7 | B |
| 3.6 | | 22.0 | 51.9 | K | 9.0 | | | B | 9.3 | | 26.1 | 35.1 | B | 9.0 | | 53.1 | 31.3 | | 9.0 | | 48.6 | 14.8 | |
| 9.5 | | 22.1 | 33.2 | | 9.5 | | | K | 8.9 | | 50.8 | 4.2 | K | 9.0 | | 54.4 | 20.0 | | 8.7 | | 53.6 | 1.9 | K |
| 9.5 | | 23.9 | 1.1 | | 9.5 | | | | 7.4 | 18 | 7.5 | 56.7 | B | 9.5 | | 59.4 | 36.8 | | 7.5 | | 57.2 | 33.3 | K |
| 9.4 | | 30.2 | 47.6 | | 9.5 | | | K | 9.4 | | 13.5 | 1.5 | | 9.1 | 31 | 30.2 | 8.2 | | 9.5 | 52 | 49.1 | 37.6 | |
| 9.5 | | 32.3 | 29.9 | B | 9.1 | | | | 9.4 | | 26.4 | 58.5 | | 9.5 | | 47.7 | 26.4 | | 9.3 | 53 | 15.1 | 39.3 | B |
| 9.5 | | 39.0 | 56.0 | | 9.4 | | | K | 9.5 | | 46.6 | 16.7 | | 9.5 | | 49.9 | 39.3 | | 9.2 | | 36.1 | 33.9 | K |
| 9.5 | | 43.5 | 7.3 | | 9.3 | | | | 9.5 | 19 | 21.6 | 34.5 | | 9.5 | | 53.3 | 13.9 | | 9.5 | 54 | 21.2 | 57.8 | |
| 9.5 | | 54.9 | 48.0 | | 9.3 | | | | 9.2 | | 23.5 | 18.8 | | 9.3 | 32 | 9.0 | 47.4 | | 6.8 | | 55.2 | 8.9 | Gb |
| 7.8 | 53 | 3.1 | 20.2 | K | 9.5 | | | | 9.3 | 20 | 2.0 | 23.5 | | 9.1 | | 15.5 | 50.1 | K | 9.0 | 55 | 29.1 | 41.3 | |
| 9.4 | | 6.5 | 50.8 | | 9.5 | | | | 8.7 | | 7.6 | 0.0 | K | 9.2 | | 21.4 | 57.2 | | 9.4 | | 47.6 | 16.0 | |
| 9.4 | | 11.9 | 58.0 | | 9.2 | | | | 9.5 | | 8.4 | 44.8 | | 9.4 | | 33.3 | 28.4 | | 9.5 | 56 | 5.7 | 11.5 | |
| 9.2 | | 40.0 | 10.6 | | 7.6 | | | | 9.0 | | 8.9 | 25.4 | | 9.4 | 33 | 20.6 | 20.8 | | 9.4 | 57 | 24.6 | 1.5 | |
| 8.0 | | 48.3 | 28.4 | K | 9.1 | | | | 9.1 | | 29.1 | 49.2 | | 9.4 | 34 | 12.5 | 15.0 | | 8.8 | | 50.5 | 4.3 | Kb |
| 9.3 | | 55.1 | 12.7 | | 7.8 | | | | 8.8 | | 40.1 | 56.5 | | 9.5 | | 47.7 | 20.1 | | 8.3 | | 53.4 | 15.4 | L |
| | 54 | 3.5 | 45.2 | | 9.0 | | | | 8.7 | | 55.7 | 45.3 | | 9.1 | 35 | 1.5 | 46.8 | b | 9.3 | 58 | 22.0 | 12.1 | |
| | | 7.2 | 14.8 | | 9.0 | | | | 9.5 | | 56.0 | 23.8 | | 9.4 | | 37.9 | 45.9 | | 9.1 | | 38.1 | 58.0 | Bb |
| | | 12.3 | 0.9 | | 9.3 | | | | 8.4 | 21 | 3.1 | 39.3 | K | 9.5 | 37 | 45.4 | 49.5 | | 9.1 | | 41.0 | 11.3 | B |
| | | 16.2 | 18.5 | | 9.3 | | | | 8.6 | 22 | 0.6 | 45.1 | K | 9.2 | | 55.9 | 11.6 | | 8.7 | | 41.1 | 21.5 | K |
| | | 25.9 | 10.6 | | 9.2 | | | | 9.4 | | 53.2 | 40.7 | | 9.5 | | 58.6 | 50.3 | B | 9.5 | 59 | 15.0 | 6.0 | |
| | | | + | | | | | + | | | | + | — | | | | + | — | | | | + | — |
| | | | 1.00 | | | | | 0.82 | 10pr. | | | 41.55 | 1.06 | 10pr. | | | 41.28 | 1.27 | 10pr. | | | 40.88 | 1.52 |

| 2001—2060 | | | | | 2061—2120 | | | | | 2121—2180 | | | | | 2181—2240 | | | | | 2241—2300 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7ᵘ—8ᵘ | | +40° | | | 8ᵘ | | +40° | | | 8ᵘ—9ᵘ | | +40° | | | 9ᵘ | | +40° | | | 9ᵘ—10ᵘ | | +40° | |
| m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | | m | ° ′ | ″ | ′ | |
| 9.5 | 59 | 32.6 | 3.3 | | 9.1 | 20 | 1.3 | 30.5 | | 9.5 | 46 | 2.2 | 7.5 | | 9.3 | 8 | 0.0 | 23.2 | | 5.8 | 33 | 1.7 | 24.9 | Gb |
| 9.5 | 0 | 1.4 | 5.6 | | 9.2 | | 33.9 | 50.3 | K | 9.5 | | 8.1 | 10.2 | | 9.5 | | 6.8 | 49.3 | | 9.5 | | 9.2 | 55.4 | |
| 9.3 | | 17.0 | 13.5 | B | 9.5 | | 44.3 | 33.8 | | 8.1 | | 11.0 | 35.6 | K | 9.1 | | 15.1 | 15.0 | Kb | 9.5 | | 25.0 | 18.2 | |
| 9.1 | | 36.0 | 23.5 | K | 9.2 | 21 | 24.2 | 15.3 | | 9.3 | | 22.4 | 57.9 | | 8.1 | | 53.6 | 46.4 | K | 9.5 | | 27.5 | 13.3 | |
| 9.5 | 1 | 50.5 | 20.0 | | 7.2 | | 28.6 | 32.1 | K | 6.0 | 47 | 4.6 | 45.3 | K | 9.5 | 9 | 26.9 | 11.2 | B | 9.0 | | 42.8 | 57.0 | |
| 9.1 | 2 | 2.0 | 56.3 | K | 6.8 | | 34.3 | 42.4 | K | 9.4 | 48 | 39.1 | 12.5 | | 9.0 | | 31.4 | 36.4 | | 9.4 | | 46.3 | 19.4 | |
| 9.1 | | 20.0 | 27.5 | | 9.5 | | 42.0 | 50.8 | | 8.9 | | 50.6 | 43.1 | Kb | 9.1 | | 34.5 | 47.8 | B | 9.4 | | 58.4 | 26.3 | |
| 9.5 | | 33.2 | 7.6 | B | 9.5 | | 44.0 | 42.3 | | 9.5 | | 57.2 | 6.1 | | 9.5 | 10 | 15.1 | 13.5 | | 8.7 | 34 | 57.2 | 4.7 | |
| 9.0 | 3 | 11.1 | 47.8 | | 9.5 | 22 | 21.7 | 18.9 | | 9.5 | 49 | 5.0 | 4.6 | | 9.1 | | 28.9 | 44.9 | K | 8.8 | 35 | 26.5 | 35.0 | |
| 8.2 | | 27.7 | 25.0 | B | 9.5 | | 43.5 | 19.9 | | 9.5 | 50 | 6.2 | 9.1 | | 8.2 | | 55.2 | 8.6 | K | 9.5 | | 28.9 | 4.3 | |
| 9.4 | | 47.4 | 58.7 | B | 8.8 | 23 | 56.3 | 23.6 | K | 9.5 | | 6.6 | 13.5 | | 9.5 | 11 | 12.4 | 47.9 | | 9.0 | 36 | 37.4 | 39.5 | |
| 9.5 | | 55.9 | 52.7 | | 9.0 | 24 | 1.5 | 26.2 | K | 9.5 | 51 | 28.6 | 15.3 | B | 9.3 | | 13.1 | 22.1 | | 9.1 | | 40.8 | 24.1 | |
| 9.3 | 5 | 17.0 | 18.5 | | 9.5 | | 59.1 | 56.6 | | 9.1 | | 34.0 | 53.9 | B | 8.5 | | 54.0 | 26.2 | K | 7.3 | 37 | 6.4 | 29.1 | K |
| 8.8 | 6 | 14.5 | 58.8 | K | 9.4 | 25 | 8.0 | 11.5 | | 9.2 | | 38.7 | 38.0 | | 6.8 | 12 | 6.8 | 16.1 | K | 8.4 | | 7.2 | 32.1 | K |
| 8.0 | | 28.9 | 46.9 | K | 9.1 | | 17.5 | 34.7 | | 9.3 | | 47.8 | 31.0 | | 6.8 | | 12.1 | 54.3 | K | 9.5 | | 34.6 | 45.5 | |
| 9.4 | 7 | 15.3 | 14.2 | | 7.4 | 27 | 8.0 | 15.2 | K | 9.3 | | 56.5 | 47.3 | | 9.3 | | 53.6 | 35.0 | | 8.7 | | 44.4 | 27.0 | K |
| 9.5 | | 27.9 | 50.0 | | 9.5 | | 20.7 | 31.8 | | 9.1 | 52 | 10.1 | 11.0 | | 7.5 | 13 | 20.1 | 50.9 | K | 9.5 | 38 | 4.9 | 18.5 | |
| 8.9 | 8 | 11.0 | 42.0 | K | 9.5 | | 31.0 | 27.6 | | 6.5 | | 19.0 | 16.4 | K | 9.5 | | 43.6 | 45.9 | | 9.2 | | 40.6 | 29.9 | |
| 9.4 | | 18.7 | 17.6 | B | 9.3 | | 32.9 | 42.9 | | 9.5 | 53 | 11.9 | 23.4 | | 8.6 | | 50.8 | 18.2 | K | 8.8 | | 50.7 | 55.7 | L |
| 9.2 | | 27.2 | 49.6 | K | 9.4 | | 34.6 | 32.8 | B | 9.4 | | 54.5 | 47.8 | | 9.1 | 14 | 43.2 | 47.4 | | 8.8 | 39 | 11.9 | 15.2 | K |
| 9.5 | | 31.7 | 5.4 | | 9.0 | | 47.4 | 39.4 | | 9.3 | 54 | 1.7 | 34.7 | | 9.0 | | 45.4 | 29.9 | | 7.0 | 41 | 20.4 | 17.4 | Kb |
| 8.2 | 9 | 5.4 | 10.5 | B | 9.0 | 28 | 2.2 | 18.0 | K | 9.4 | | 11.9 | 27.0 | | 8.8 | 15 | 45.0 | 19.0 | | 9.5 | | 28.6 | 10.1 | |
| 8.8 | | 12.5 | 52.2 | K | 7.5 | | 24.4 | 8.0 | L | 9.4 | | 31.6 | 43.0 | | 8.0 | 16 | 26.8 | 18.5 | K | 9.5 | 42 | 12.4 | 16.4 | |
| 9.4 | | 43.4 | 18.8 | | 8.9 | | 30.0 | 50.9 | K | 9.5 | | 36.1 | 14.9 | | 9.5 | | 55.1 | 42.9 | | 8.4 | | 20.0 | 52.2 | K |
| 9.5 | | 45.0 | 15.6 | | 9.1 | 29 | 38.3 | 31.5 | R | 9.3 | | 52.6 | 41.8 | | 9.0 | 17 | 19.6 | 54.8 | | 9.5 | | 43.9 | 31.8 | B |
| 7.6 | | 50.8 | 3.2 | K | 8.7 | | 43.1 | 48.7 | K | 8.5 | 55 | 1.4 | 56.1 | K | 9.5 | | 59.1 | 19.0 | | 7.5 | | 52.9 | 16.9 | K |
| 7.1 | 10 | 16.5 | 19.9 | L | 8.7 | | 43.5 | 0.8 | | 8.6 | | 49.2 | 6.2 | | 9.3 | 18 | 10.1 | 22.5 | | 9.2 | 43 | 26.5 | 14.2 | |
| 8.9 | | 34.4 | 55.9 | K | 9.5 | 30 | 13.4 | 33.3 | | 8.7 | | 49.8 | 29.2 | | 9.2 | | 17.9 | 8.1 | | 9.4 | | 47.7 | 52.0 | |
| 9.2 | | 45.4 | 17.9 | | 9.5 | | 29.7 | 3.9 | | 8.8 | 56 | 2.5 | 47.0 | | 9.2 | | 38.6 | 56.8 | | 9.0 | | 55.9 | 22.0 | |
| 8.7 | 11 | 29.6 | 48.3 | K | 8.0 | | 50.0 | 49.7 | K | 9.5 | | 12.3 | 58.8 | | 9.4 | 19 | 14.2 | 29.1 | | 9.0 | 44 | 14.0 | 0.9 | B |
| 8.5 | | 49.3 | 39.8 | | 7.3 | 31 | 17.2 | 32.4 | Gb | 8.7 | | 13.1 | 42.5 | | 9.2 | | 14.4 | 32.6 | B | 9.5 | | 14.6 | 12.4 | |
| 8.8 | | 54.8 | 8.2 | | 9.1 | 32 | 30.2 | 4.8 | b | 8.9 | | 21.9 | 27.1 | | 7.9 | | 26.1 | 36.0 | K | 9.5 | 47 | 25.7 | 24.9 | |
| 9.2 | 12 | 15.7 | 49.6 | K | 9.5 | | 56.9 | 34.4 | | 9.4 | | 25.5 | 48.1 | | 8.8 | | 34.7 | 42.0 | | 9.5 | | 45.4 | 5.9 | |
| 9.5 | | 41.1 | 22.8 | | 9.5 | 33 | 9.2 | 16.2 | | 9.2 | | 30.9 | 26.6 | | 9.0 | 20 | 32.4 | 29.9 | | 9.3 | 48 | 42.6 | 1.9 | |
| 9.4 | | 50.8 | 41.4 | | 9.5 | | 28.1 | 12.6 | | 9.5 | | 55.2 | 8.8 | | 9.3 | 22 | 10.6 | 23.0 | | 9.5 | 49 | 14.0 | 59.6 | |
| 8.5 | | 55.0 | 50.4 | K | 8.6 | | 29.7 | 43.7 | K | 9.4 | 57 | 10.8 | 27.6 | | 9.5 | | 31.3 | 9.0 | | 9.3 | | 19.4 | 39.3 | |
| 7.2 | | 58.4 | 54.3 | K | 8.3 | 34 | 56.4 | 22.9 | Kb | 9.2 | | 44.0 | 18.0 | | 9.2 | | 45.0 | 37.4 | B | 9.4 | 50 | 9.5 | 26.8 | |
| 9.2 | 13 | 12.6 | 33.0 | B | 9.3 | 35 | 6.1 | 58.6 | B | 9.0 | | 55.6 | 27.5 | | 8.1 | 23 | 5.2 | 39.2 | K | 8.4 | | 55.2 | 56.9 | K |
| 9.5 | | 22.3 | 34.5 | | 9.5 | | 12.2 | 35.5 | | 9.5 | 59 | 9.3 | 48.6 | | 9.5 | | 36.5 | 5.3 | | 9.3 | 52 | 5.4 | 4.2 | |
| 9.3 | | 57.2 | 39.4 | | 8.6 | | 21.5 | 53.3 | K | 9.0 | | 14.4 | 28.7 | K | 9.5 | 24 | 52.0 | 3.0 | | 9.2 | | 8.0 | 6.5 | |
| 9.0 | 14 | 0.0 | 3.3 | | 9.5 | | 38.2 | 21.6 | | 9.5 | | 43.6 | 42.4 | | 9.5 | | 53.5 | 43.0 | | 9.5 | | 22.5 | 28.4 | |
| 9.2 | | 1.8 | 58.6 | K | 9.2 | | 51.1 | 58.6 | K | 9.3 | | 46.8 | 32.0 | | 9.5 | 25 | 3.1 | 52.4 | | 9.0 | 55 | 54.9 | 22.4 | |
| 8.8 | 15 | 8.3 | 22.6 | | 9.4 | 36 | 38.4 | 29.0 | | 9.4 | 0 | 21.7 | 6.4 | | 9.1 | | 45.4 | 34.0 | | 9.5 | 56 | 12.4 | 45.3 | |
| 9.2 | | 25.1 | 46.0 | | 8.8 | | 39.5 | 3.3 | | 7.8 | | 29.8 | 45.4 | K | 4.7 | 26 | 2.8 | 15.6 | K | 9.3 | | 43.8 | 28.3 | |
| 9.5 | | 25.5 | 11.6 | | 9.3 | 37 | 11.2 | 34.1 | | 9.5 | 1 | 20.5 | 58.8 | | 8.5 | | 9.7 | 38.5 | K | 8.3 | | 57.0 | 34.2 | |
| 9.5 | | 33.6 | 51.6 | | 9.4 | | 46.5 | 49.0 | | 9.5 | | 32.1 | 51.8 | | 6.8 | | 20.3 | 36.3 | K | 6.8 | 57 | 11.5 | 17.3 | K |
| 8.8 | | 36.0 | 4.2 | K | 9.4 | | 47.6 | 14.1 | | 7.5 | | 36.6 | 23.5 | K | 9.3 | | 21.5 | 45.5 | | 9.2 | | 16.9 | 53.2 | |
| 8.8 | | 59.5 | 18.9 | | 8.8 | | 51.3 | 33.1 | | 7.5 | 2 | 2.6 | 53.3 | Kb | 9.5 | 27 | 26.1 | 28.1 | | 7.3 | | 46.5 | 13.4 | K |
| 9.0 | 16 | 54.2 | 14.6 | | 7.6 | 38 | 33.7 | 7.3 | K | 9.0 | | 12.7 | 19.9 | B | 9.5 | | 32.0 | 35.0 | | 8.8 | 58 | 19.0 | 39.3 | |
| 7.5 | 17 | 8.0 | 21.7 | Kb | 9.5 | 39 | 16.6 | 53.9 | | 9.0 | | 15.0 | 9.1 | | 9.5 | 28 | 15.5 | 51.4 | | 9.0 | 59 | 57.5 | 38.8 | |
| 8.8 | | 8.7 | 25.9 | K | 8.2 | 40 | 32.3 | 7.7 | K | 9.5 | | 51.5 | 48.0 | | 8.8 | 29 | 11.8 | 12.6 | K | 8.3 | 1 | 46.5 | 13.0 | |
| 9.2 | | 18.0 | 57.4 | | 9.5 | | 45.5 | 5.4 | | 8.5 | 3 | 28.6 | 35.4 | | 5.5 | | 19.1 | 53.7 | Kb | 9.5 | | 50.8 | 49.3 | |
| 9.3 | | 36.1 | 6.3 | | 9.5 | 41 | 13.1 | 45.9 | | 7.8 | | 36.6 | 58.9 | K | 9.5 | 30 | 6.6 | 23.5 | | 8.3 | | 59.2 | 38.2 | |
| 9.1 | | 58.0 | 46.9 | K | 9.3 | | 15.0 | 33.4 | | 9.2 | 5 | 6.3 | 50.9 | K | 9.5 | | 20.8 | 51.4 | | 9.5 | | 59.2 | 17.0 | |
| 8.8 | 18 | 9.3 | 18.3 | K | 9.1 | 42 | 43.4 | 35.4 | b | 8.1 | | 27.4 | 19.0 | K | 9.3 | 31 | 41.3 | 40.0 | | 8.0 | 2 | 8.3 | 4.9 | Kb |
| 9.3 | | 19.8 | 28.2 | | 9.5 | 43 | 14.7 | 35.1 | | 9.5 | 6 | 8.6 | 4.2 | | 9.0 | | 47.2 | 43.5 | K | 9.5 | | 36.0 | 55.5 | |
| 9.4 | | 22.8 | 59.1 | | 8.1 | | 33.5 | 50.2 | K | 9.0 | | 21.3 | 19.0 | | 9.5 | | 48.0 | 8.7 | | 8.9 | | 54.5 | 54.7 | K |
| 8.3 | 19 | 8.3 | 24.5 | K | 9.3 | 44 | 24.4 | 52.9 | | 9.3 | | 31.0 | 44.0 | | 9.5 | | 48.8 | 19.2 | B | 9.3 | 3 | 18.8 | 6.2 | |
| 9.0 | | 10.7 | 32.7 | | 7.1 | 45 | 2.6 | 40.8 | K | 9.3 | | 38.4 | 51.4 | | 9.4 | 32 | 4.5 | 23.4 | | 8.6 | | 18.9 | 54.6 | K |
| 9.5 | | 42.2 | 2.6 | | 9.5 | | 46.7 | 38.6 | | 8.5 | | 42.6 | 59.8 | K | 8.5 | | 37.1 | 54.0 | K | 9.0 | | 33.5 | 47.7 | K |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 40.31 | 1.82 | | 10pr. | | 39.75 | 2.04 | | 10pr. | | 38.93 | 2.32 | | 10pr. | | 38.09 | 2.55 | | 10pr. | | 37.09 | 2.77 | |

| 1701—1760 | | | | | 1761—1820 | | | | | 1821—1880 | | | | | 1881—1940 | | | | | 1941—2000 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6ª | | +40° | | | 6ª—7ª | | +40° | | | 7ª | | +40° | | | 7ª | | +40° | | | 7ª | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.0 | 35 | 42.0 | 55.4 | | 9.0 | 47 | 36.1 | 37.4 | | 9.5 | 6 | 30.6 | 29.7 | | 8.0 | 22 | 56.5 | 8.8 | B | 9.5 | 38 | 16.2 | 35.0 | |
| 9.5 | | 45.0 | 10.8 | | 8.7 | | 55.1 | 13.2 | K | 9.4 | | 48.7 | 16.1 | | 9.2 | 23 | 17.9 | 0.7 | | 9.2 | | 19.6 | 24.9 | b |
| 9.5 | 36 | 4.5 | 6.6 | | 9.2 | | 57.9 | 17.7 | B | 8.3 | | 50.4 | 15.0 | B | 9.5 | | 20.1 | 59.1 | | 9.2 | | 21.5 | 58.8 | |
| 8.7 | | 23.3 | 25.3 | B | 9.3 | 48 | 12.6 | 36.9 | | 9.2 | 7 | 13.8 | 17.1 | | 9.4 | | 25.0 | 35.1 | B | 9.5 | 39 | 4.2 | 2.3 | |
| 8.8 | | 28.2 | 41.7 | | 9.5 | | 29.1 | 22.5 | | 9.5 | | 24.9 | 6.1 | | 9.2 | | 27.2 | 10.6 | | 9.4 | | 18.5 | 8.3 | |
| 8.8 | | 39.3 | 32.3 | | 9.3 | 49 | 26.6 | 14.6 | | 9.1 | | 29.4 | 26.4 | | 9.2 | | 37.3 | 7.5 | | 9.5 | | 39.0 | 58.6 | |
| 7.6 | | 39.7 | 23.0 | B | 9.1 | | 37.2 | 37.4 | | 9.0 | | 46.1 | 23.4 | | 9.2 | | 40.9 | 26.1 | | 9.5 | | 47.1 | 2.4 | |
| 9.1 | | 51.4 | 29.9 | a | 8.8 | | 44.6 | 5.7 | | 9.3 | | 52.4 | 19.2 | | 9.5 | 24 | 12.3 | 7.0 | | 9.5 | 40 | 4.6 | 26.9 | B |
| 9.4 | | 53.4 | 14.1 | | 9.0 | 50 | 29.4 | 9.6 | | 9.1 | | 55.4 | 50.2 | | 9.2 | | 21.5 | 21.8 | | 7.0 | | 22.9 | 7.9 | K |
| 8.6 | 37 | 4.0 | 54.7 | K | 7.3 | | 36.6 | 33.4 | K | 9.4 | 8 | 12.6 | 51.8 | | 9.5 | | 34.9 | 2.4 | | 9.5 | | 53.0 | 7.5 | |
| 9.5 | | 4.9 | 59.4 | | 8.0 | 51 | 4.1 | 13.2 | K | 9.4 | | 30.1 | 51.3 | | 9.4 | 25 | 5.1 | 13.9 | | 8.9 | 41 | 45.1 | 40.7 | |
| 9.4 | | 7.5 | 10.4 | | 9.4 | | 10.5 | 40.8 | | 9.5 | 9 | 24.3 | 6.5 | B | 7.3 | | 17.5 | 48.8 | K | 9.3 | 42 | 11.5 | 38.0 | |
| 9.5 | | 26.8 | 46.7 | | 9.4 | | 12.6 | 24.0 | | 8.9 | | 24.4 | 18.2 | K | 9.3 | | 22.0 | 31.7 | | 9.0 | | 56.9 | 38.3 | |
| 9.4 | | 29.5 | 19.5 | | 8.5 | | 16.0 | 52.0 | K | 9.4 | | 35.8 | 18.8 | B | 8.4 | | 24.1 | 1.0 | | 8.7 | 43 | 0.5 | 32.0 | |
| 9.4 | 38 | 13.0 | 50.0 | | 9.3 | | 27.1 | 15.0 | | 8.6 | | 52.0 | 58.8 | K | 9.4 | | 25.2 | 0.0 | | 9.2 | | 25.7 | 9.5 | |
| 9.5 | | 32.2 | 59.1 | | 9.0 | | 35.2 | 1.6 | | 8.6 | | 55.7 | 58.3 | K | 8.5 | | 29.1 | 30.4 | | 8 6 | | 29.0 | 3.2 | |
| 7.8 | | 34.0 | 52.8 | K | 9.5 | 52 | 35.3 | 20.0 | | 8.2 | 10 | 14.0 | 10.3 | L | 9.5 | | 32.1 | 0.0 | | 9.4 | 44 | 16.1 | 58.0 | |
| 9.5 | | 42.2 | 46.3 | | 8.7 | | 37.2 | 8.0 | R | 8.8 | | 33.8 | 56.5 | K | 9.3 | | 42.6 | 57.8 | | 8.0 | 45 | 10.6 | 4.2 | K |
| 8.4 | | 42.8 | 44.8 | B | 9.2 | | 51.9 | 57.5 | | 9.5 | 11 | 22.3 | 7.0 | | 9.4 | 26 | 23.9 | 4.4 | | 9.4 | | 21.4 | 0.5 | |
| 9.5 | | 57.3 | 14.3 | | 9.1 | 53 | 14.1 | 0.1 | | 9.4 | | 33.3 | 7.5 | B | 8.9 | | 33.2 | 27.4 | K | 9.2 | | 27.9 | 14.9 | |
| 8.7 | 39 | 13.0 | 46.1 | | 8.4 | | 22.5 | 24.5 | | 8.9 | | 42.6 | 38.7 | | 9.5 | | 43.5 | 24.9 | | 8.3 | | 28.7 | 44.3 | K |
| 8.9 | | 19.5 | 55.2 | | 9.5 | | 41.6 | 56.8 | | 8.2 | 12 | 0.3 | 13.7 | B | 8.7 | 27 | 11.8 | 4.1 | | 9.3 | | 35.5 | 10.2 | |
| 7.3 | | 27.0 | 20.4 | L | 7.0 | | 53.7 | 47.9 | K | 8.4 | | 4.2 | 47.6 | B | 6.8 | | 22.2 | 20.5 | Gb | 8.8 | | 38.1 | 35.9 | |
| 9.2 | | 32.1 | 27.1 | | 9.5 | 54 | 24.3 | 31.3 | | 9.3 | | 14.0 | 29.3 | B | 8.8 | | 32.6 | 23.0 | | 7.8 | | 47.4 | 40.6 | K |
| 9.3 | | 34.9 | 35.7 | | 9.4 | | 53.7 | 22.4 | | 9.3 | | 24.9 | 3.4 | | 9.4 | | 48.7 | 19.9 | | 8.9 | 46 | 14.1 | 50.8 | K |
| 9.3 | | 39.3 | 39.2 | | 9.3 | | 55.2 | 35.3 | | 9.3 | | 37.7 | 20.5 | | 9.2 | 28 | 7.2 | 15.2 | | 9.4 | 47 | 25.7 | 41.1 | |
| 9.5 | | 46.9 | 6.8 | | 8.5 | 55 | 27.5 | 32.8 | K | 9.4 | | 39.5 | 1.6 | | 9.2 | | 8.0 | 17.9 | | 9.2 | | 36.2 | 40.6 | B |
| 9.5 | | 59.8 | 36.4 | | 8.7 | | 55.8 | 4.6 | Kb | 9.2 | | 45.8 | 12.5 | | 9.3 | | 47.8 | 0.3 | | 9.5 | | 38.9 | 49.3 | |
| 7.2 | 40 | 7.0 | 6.5 | L | 9.3 | 56 | 4.8 | 36.2 | | 9.0 | 13 | 4.4 | 55.6 | K | 9.5 | | 49.0 | 32.1 | B | 9.2 | | 47.7 | 24.4 | b |
| 9.5 | | 12.1 | 22.3 | | 9.3 | | 34.7 | 22.8 | | 8.1 | | 6.4 | 58.2 | K | 9.5 | 29 | 2.2 | 23.1 | | 9.2 | 48 | 21.5 | 48.5 | |
| 8.4 | | 23.6 | 54.6 | | 8.8 | | 49.8 | 24.8 | K | 9.5 | | 59.5 | 38.0 | | 7.3 | | 27.5 | 59.1 | K | 9.3 | 49 | 10.5 | 1.9 | B |
| 7.5 | | 57.8 | 32.9 | B | 8.8 | | 51.3 | 28.3 | K | 5.8 | 14 | 6.4 | 57.2 | Kb | 9.5 | | 33.2 | 2.0 | | 9.5 | | 57.1 | 2.4 | |
| 8.5 | 41 | 5.3 | 10.5 | | 8.8 | 57 | 10.0 | 59.7 | Kb | 9.5 | | 19.3 | 1.2 | | 9.4 | | 40.4 | 0.5 | B | 9.4 | 50 | 3.9 | 45.8 | |
| 8.5 | | 5.6 | 39.9 | | 9.5 | | 26.5 | 10.4 | | 9.3 | | 33.0 | 20.5 | | 9.5 | | 50.1 | 13.0 | | 9.1 | | 9.8 | 14.4 | |
| 8.3 | | 23.8 | 18.0 | | 8.5 | | 35.4 | 41.3 | | 9.5 | 15 | 4.6 | 55.3 | | 8.9 | 30 | 23.1 | 30.0 | | 9.4 | | 27.1 | 16.5 | |
| 9.3 | | 54.9 | 16.0 | | 9.1 | | 46.5 | 29.7 | # | 9.5 | | 8.5 | 14.0 | | 8.8 | | 27.6 | 7.2 | K | 9.5 | | 35.6 | 36.9 | |
| 8.9 | | 55.1 | 9.5 | | 8.5 | 58 | 3.0 | 4.2 | | 9.5 | | 13.1 | 27.9 | | 9.5 | | 31.9 | 10.5 | | 9.3 | 51 | 4.5 | 1.0 | |
| 8.4 | | 58.9 | 35.4 | | 8.9 | | 51.5 | 13.8 | | 9.2 | | 15.2 | 4.9 | Rb | 9.1 | | 35.2 | 6.3 | K | 7.5 | | 7.3 | 18.0 | L |
| 7.3 | 42 | 33.0 | 5.6 | K | 9.3 | 0 | 11.3 | 25.1 | | 9.4 | 16 | 1.4 | 13.2 | | 9.5 | | 37.6 | 57.3 | | 8.1 | | 29.4 | 47.7 | B |
| 8.9 | | 33.9 | 2.3 | B | 9.1 | | 42.2 | 16.5 | K | 9.4 | | 12.8 | 54.7 | | 9.5 | | 46.1 | 56.8 | | 9.2 | | 33.1 | 50.2 | B |
| 9.5 | | 44.6 | 25.0 | | 9.5 | | 47.2 | 38.8 | | 9.3 | 17 | 15.8 | 5.6 | | 9.2 | | 46.8 | 46.6 | | 9.5 | | 41.9 | 22.7 | B |
| 9.2 | | 50.1 | 47.4 | | 9.3 | | 57.6 | 35.1 | B | 9.3 | | 26.1 | 35.1 | B | 9.0 | | 53.1 | 31.3 | | 9.0 | | 48.6 | 14.8 | |
| 9.5 | 43 | 15.3 | 21.5 | | 7.7 | 1 | 9.4 | 17.1 | K | 8.9 | | 50.8 | 4.2 | K | 9.0 | | 54.4 | 20.0 | | 8.7 | | 53.6 | 1.9 | K |
| 9.0 | | 19.8 | 34.4 | K | 9.4 | | 55.1 | 7.0 | | 7.4 | 18 | 7.5 | 56.7 | B | 9.5 | | 59.4 | 36.8 | | 7.5 | | 57.2 | 33.3 | K |
| 9.0 | | 28.1 | 0.3 | | 8.5 | 2 | 12.0 | 10.5 | K | 9.4 | | 13.5 | 1.5 | | 9.1 | 31 | 30.2 | 8.2 | | 9.5 | 52 | 49.1 | 37.6 | |
| 9.3 | | 35.0 | 24.0 | | 9.4 | | 12.3 | 38.3 | | 9.4 | | 26.4 | 58.5 | | 9.5 | | 47.7 | 26.4 | | 9.3 | 53 | 15.1 | 39.3 | B |
| 9.3 | 44 | 21.1 | 19.0 | | 8.2 | | 25.7 | 14.9 | K | 9.5 | | 46.6 | 16.7 | | 9.5 | | 49.9 | 39.3 | | 9.2 | | 36.1 | 33.9 | K |
| 9.5 | | 22.2 | 28.2 | | 9.5 | 3 | 1.6 | 52.3 | | 9.5 | 19 | 21.6 | 34.5 | | 9.5 | | 53.3 | 13.9 | | 9.5 | 54 | 21.2 | 57.8 | |
| 9.5 | | 47.9 | 26.3 | | 9.5 | | 12.1 | 12.9 | | 9.2 | | 23.5 | 18.8 | | 9.3 | 32 | 9.0 | 47.4 | | 6.8 | | 55.2 | 8.9 | Gb |
| 9.3 | | 59.1 | 7.5 | | 9.5 | | 32.5 | 32.8 | | 9.3 | 20 | 2.0 | 23.5 | | 9.1 | | 15.5 | 50.1 | K | 9.0 | 55 | 29.1 | 41.3 | |
| 8.3 | 45 | 14.1 | 47.4 | B | 9.5 | | 45.6 | 24.8 | | 8.7 | | 7.6 | 0.0 | K | 9.2 | | 21.4 | 57.2 | | 9.4 | | 47.6 | 16.0 | |
| 8.0 | | 23.0 | 17.1 | R | 9.2 | | 47.0 | 48.0 | | 9.5 | | 8.4 | 44.8 | | 9.4 | | 33.3 | 28.4 | | 9.3 | 56 | 5.7 | 11.5 | |
| 7.5 | | 26.6 | 44.4 | L | 9.2 | | 52.8 | 51.0 | b | 9.0 | | 8.9 | 25.4 | | 9.4 | 33 | 20.6 | 20.8 | | 9.4 | 57 | 24.6 | 1.5 | |
| 9.5 | | 34.4 | 29.0 | | 8.9 | 4 | 9.6 | 6.0 | | 9.1 | | 29.1 | 49.2 | | 9.4 | 34 | 12.5 | 15.0 | | 8.8 | | 50.5 | 4.3 | Kb |
| 8.5 | | 51.8 | 56.4 | K | 9.3 | | 13.6 | 38.3 | | 8.8 | | 40.1 | 56.5 | | 9.5 | | 47.7 | 20.1 | | 8.3 | | 53.4 | 15.4 | L |
| 9.3 | | 54.4 | 51.4 | | 9.4 | | 18.0 | 31.0 | | 8.7 | | 55.7 | 45.3 | | 9.1 | 35 | 1.5 | 46.8 | b | 9.3 | 58 | 22.0 | 12.1 | |
| 7.0 | 46 | 6.6 | 43.9 | L | 9.3 | | 41.7 | 14.5 | | 9.5 | | 56.0 | 23.8 | | 9.4 | | 37.9 | 45.9 | | 9.1 | | 38.1 | 58.0 | Bb |
| 8.3 | | 19.6 | 16.0 | R | 9.0 | 5 | 24.7 | 30.0 | K | 8.4 | 21 | 3.1 | 39.3 | K | 9.5 | 37 | 45.4 | 49.5 | | 9.1 | | 41.0 | 11.3 | B |
| 9.1 | | 29.1 | 15.5 | | 9.5 | | 51.6 | 41.9 | | 8.6 | 22 | 0.6 | 45.1 | K | 9.2 | | 55.9 | 11.6 | | 8.7 | | 41.1 | 21.5 | K |
| 8.5 | | 58.2 | 2.5 | K | 9.4 | 6 | 12.8 | 29.4 | | 9.4 | | 53.2 | 40.7 | | 9.5 | | 58.6 | 50.3 | B | 9.5 | 59 | 15.0 | 6.0 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr | | 41.97 | 0.58 | | 10pr | | 41.79 | 0.82 | | 10pr | | 41.55 | 1.06 | | 10pr | | 41.28 | 1.27 | | 10pr | | 40.88 | 1.52 | |

2001—2060

| m | 7ᵘ—8ᵘ | +40° | |
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| | ′ ″ | ′ | |
| 9.5 | 59 32.6 | 3.3 | |
| 9.5 | 0 1.4 | 5.6 | |
| 9.3 | 17.0 | 13.5 | B |
| 9.1 | 36.0 | 23.5 | K |
| 9.5 | 1 50.5 | 20.0 | |
| 9.1 | 2 2.0 | 56.3 | K |
| 9.1 | 20.0 | 27.5 | |
| 9.5 | 33.2 | 7.6 | B |
| 9.0 | 3 11.1 | 47.8 | |
| 8.2 | 27.7 | 25.0 | B |
| 9.4 | 47.4 | 58.7 | B |
| 9.5 | 55.9 | 52.7 | |
| 9.3 | 5 17.0 | 18.5 | |
| 8.8 | 6 14.5 | 58.8 | K |
| 8.0 | 28.9 | 46.9 | K |
| 9.4 | 7 15.3 | 14.2 | |
| 9.5 | 27.9 | 50.0 | |
| 8.9 | 8 11.0 | 42.0 | K |
| 9.4 | 18.7 | 17.6 | B |
| 9.2 | 27.2 | 49.6 | K |
| 9.5 | 31.7 | 5.4 | |
| 8.2 | 9 5.4 | 10.5 | B |
| 8.8 | 12.5 | 52.2 | K |
| 9.4 | 43.4 | 18.8 | |
| 9.5 | 45.0 | 15.6 | |
| 7.6 | 50.8 | 3.2 | K |
| 7.1 | 10 16.5 | 19.9 | L |
| 8.9 | 34.4 | 55.9 | K |
| 9.2 | 45.4 | 17.9 | |
| 8.7 | 11 29.6 | 48.3 | K |
| 8.5 | 49.3 | 39.8 | |
| 8.8 | 54.8 | 8.2 | |
| 9.2 | 12 15.7 | 49.6 | K |
| 9.5 | 41.1 | 22.8 | |
| 9.4 | 50.8 | 41.4 | |
| 8.5 | 55.0 | 50.4 | K |
| 7.2 | 58.4 | 54.3 | K |
| 9.2 | 13 12.6 | 33.0 | B |
| 9.5 | 22.3 | 34.5 | |
| 9.3 | 57.2 | 39.4 | |
| 9.0 | 14 0.0 | 3.3 | |
| 9.2 | 1.8 | 58.6 | K |
| 8.8 | 15 8.3 | 22.6 | |
| 9.2 | 25.1 | 46.0 | |
| 9.5 | 25.5 | 11.6 | |
| 9.5 | 33.6 | 51.6 | |
| 8.8 | 36.0 | 4.2 | K |
| 8.8 | 59.5 | 18.9 | |
| 9.0 | 16 54.2 | 14.6 | |
| 7.5 | 17 8.0 | 21.7 | Kb |
| 8.8 | 8.7 | 25.9 | K |
| 9.2 | 18.0 | 57.4 | |
| 9.3 | 36.1 | 6.3 | |
| 9.1 | 58.0 | 46.9 | K |
| 8.8 | 18 9.3 | 18.3 | K |
| 9.3 | 19.8 | 28.2 | |
| 9.4 | 22.8 | 59.1 | |
| 8.3 | 19 8.3 | 24.5 | K |
| 9.0 | 10.7 | 32.7 | |
| 9.5 | 42.2 | 2.6 | |

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| 10 pr. | 40.31 | 1.82 |

2061—2120

| m | 8ᵘ | +40° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.1 | 20 1.3 | 30.5 | |
| 9.2 | 33.9 | 50.3 | K |
| 9.5 | 44.3 | 33.8 | |
| 9.2 | 21 24.2 | 15.3 | |
| 7.2 | 28.6 | 32.1 | K |
| 6.8 | 34.3 | 42.4 | K |
| 9.5 | 42.0 | 50.8 | |
| 9.5 | 44.0 | 42.3 | |
| 9.5 | 22 21.7 | 18.9 | |
| 9.5 | 43.5 | 19.9 | |
| 8.8 | 23 56.3 | 23.6 | K |
| 9.0 | 24 1.5 | 26.2 | K |
| 9.5 | 59.1 | 56.6 | |
| 9.4 | 25 8.0 | 11.5 | |
| 9.1 | 17.5 | 34.7 | |
| 7.4 | 27 8.0 | 15.2 | K |
| 9.5 | 20.7 | 31.8 | |
| 9.5 | 31.0 | 27.6 | |
| 9.3 | 32.9 | 42.9 | |
| 9.4 | 34.6 | 32.8 | B |
| 9.0 | 47.4 | 39.4 | |
| 9.0 | 28 2.2 | 18.0 | K |
| 7.5 | 24.4 | 8.0 | L |
| 8.9 | 30.0 | 50.9 | K |
| 9.1 | 29 38.3 | 31.5 | R |
| 8.7 | 43.1 | 48.7 | K |
| 8.7 | 43.5 | 0.8 | |
| 9.5 | 30 13.4 | 33.3 | |
| 9.5 | 29.7 | 3.9 | |
| 8.0 | 50.0 | 49.7 | K |
| 7.3 | 31 17.2 | 32.4 | Gb |
| 9.1 | 32 30.2 | 4.8 | b |
| 9.5 | 56.9 | 34.4 | |
| 9.5 | 33 9.2 | 16.2 | |
| 9.5 | 28.1 | 12.6 | |
| 8.6 | 29.7 | 43.7 | K |
| 8.3 | 34 56.4 | 22.9 | Kb |
| 9.3 | 35 6.1 | 58.6 | B |
| 9.5 | 12.2 | 35.5 | |
| 8.6 | 21.5 | 53.3 | K |
| 9.5 | 38.2 | 21.6 | |
| 9.2 | 51.1 | 58.6 | K |
| 9.4 | 36 38.4 | 29.0 | |
| 8.8 | 39.5 | 3.3 | |
| 9.3 | 37 11.2 | 34.1 | |
| 9.4 | 46.5 | 49.0 | |
| 9.4 | 47.6 | 14.1 | |
| 8.8 | 51.3 | 33.1 | |
| 7.6 | 38 33.7 | 7.3 | K |
| 9.5 | 39 16.6 | 53.9 | |
| 8.2 | 40 32.3 | 7.7 | K |
| 9.5 | 45.5 | 5.4 | |
| 9.5 | 41 13.1 | 45.9 | |
| 9.3 | 15.0 | 33.4 | |
| 9.1 | 42 43.4 | 35.4 | b |
| 9.5 | 43 14.7 | 35.1 | |
| 8.1 | 33.5 | 50.2 | K |
| 9.3 | 44 24.4 | 52.9 | |
| 7.1 | 45 2.6 | 40.8 | K |
| 9.5 | 46.7 | 38.6 | |

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|---|---|---|
| 10 pr. | 39.75 | 2.04 |

2121—2180

| m | 8ᵘ—9ᵘ | +40° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.5 | 46 2.2 | 7.5 | |
| 9.5 | 8.1 | 10.2 | |
| 8.1 | 11.0 | 35.6 | K |
| 9.3 | 22.4 | 57.9 | |
| 6.0 | 47 4.6 | 45.3 | K |
| 9.4 | 48 39.1 | 12.5 | |
| 8.9 | 50.6 | 43.1 | Kb |
| 9.5 | 57.2 | 6.1 | |
| 9.5 | 49 5.0 | 4.6 | |
| 9.5 | 50 6.2 | 9.1 | |
| 9.5 | 6.6 | 13.5 | |
| 9.5 | 51 28.6 | 15.3 | B |
| 9.1 | 34.0 | 53.9 | B |
| 9.2 | 38.7 | 38.0 | |
| 9.3 | 47.8 | 31.0 | |
| 9.3 | 56.5 | 47.3 | |
| 9.1 | 52 10.1 | 11.0 | |
| 6.5 | 19.0 | 16.4 | K |
| 9.5 | 53 11.9 | 23.4 | |
| 9.4 | 54.5 | 47.8 | |
| 9.3 | 54 1.7 | 34.7 | |
| 9.4 | 11.9 | 27.0 | |
| 9.4 | 31.6 | 43.0 | |
| 9.5 | 36.1 | 14.9 | |
| 9.3 | 52.6 | 41.8 | |
| 8.5 | 55 1.4 | 56.1 | K |
| 8.6 | 49.2 | 6.2 | |
| 8.7 | 49.8 | 29.2 | |
| 8.8 | 56 2.5 | 47.0 | |
| 9.5 | 12.3 | 58.8 | |
| 8.7 | 13.1 | 42.5 | |
| 8.9 | 21.9 | 27.1 | |
| 9.4 | 25.5 | 48.1 | |
| 9.2 | 30.9 | 26.6 | |
| 9.5 | 55.2 | 8.8 | |
| 9.4 | 57 10.8 | 27.6 | |
| 9.2 | 44.0 | 18.0 | |
| 9.0 | 55.6 | 27.5 | |
| 9.5 | 59 9.3 | 48.6 | |
| 9.0 | 14.4 | 28.7 | K |
| 9.5 | 43.6 | 42.4 | |
| 9.3 | 46.8 | 32.0 | |
| 9.4 | 0 21.7 | 6.4 | |
| 7.8 | 29.8 | 45.4 | K |
| 9.5 | 1 20.5 | 58.8 | |
| 9.5 | 32.1 | 51.8 | |
| 7.5 | 36.6 | 23.5 | K |
| 7.5 | 2 2.6 | 53.3 | Kb |
| 9.0 | 12.7 | 19.9 | B |
| 9.0 | 15.0 | 9.1 | |
| 9.5 | 51.5 | 48.0 | |
| 8.5 | 3 28.6 | 35.4 | |
| 7.8 | 36.6 | 58.9 | K |
| 9.2 | 5 6.3 | 50.9 | K |
| 8.1 | 27.4 | 19.0 | K |
| 9.5 | 6 8.6 | 4.2 | |
| 9.0 | 21.3 | 19.0 | |
| 9.3 | 31.0 | 44.0 | |
| 9.3 | 38.4 | 51.4 | |
| 8.5 | 42.6 | 59.8 | K |

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| 10 pr. | 38.93 | 2.32 |

2181—2240

| m | 9ᵘ | +40° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 9.3 | 8 0.0 | 23.2 | |
| 9.5 | 6.8 | 49.3 | |
| 9.1 | 15.1 | 15.0 | Kb |
| 8.1 | 53.6 | 46.4 | K |
| 9.5 | 9 26.9 | 11.2 | B |
| 9.0 | 31.4 | 36.4 | |
| 9.1 | 34.5 | 47.8 | B |
| 9.5 | 10 15.1 | 13.5 | |
| 9.1 | 28.9 | 44.9 | K |
| 8.2 | 55.2 | 8.6 | K |
| 9.5 | 11 12.4 | 47.9 | |
| 9.3 | 13.1 | 22.1 | |
| 8.5 | 54.0 | 26.2 | K |
| 6.8 | 12 6.8 | 16.1 | K |
| 6.8 | 12.1 | 54.3 | K |
| 9.3 | 53.6 | 35.0 | |
| 7.5 | 13 20.1 | 50.9 | K |
| 9.5 | 43.6 | 45.9 | |
| 8.6 | 50.8 | 18.2 | K |
| 9.1 | 14 43.2 | 47.4 | |
| 9.0 | 45.4 | 29.9 | |
| 8.8 | 15 45.0 | 19.0 | |
| 8.0 | 16 26.8 | 18.5 | K |
| 9.5 | 55.1 | 42.9 | |
| 9.0 | 17 19.6 | 54.8 | |
| 9.5 | 59.1 | 19.0 | |
| 9.3 | 18 10.1 | 22.5 | |
| 9.2 | 17.9 | 8.1 | |
| 9.2 | 38.6 | 56.8 | |
| 9.4 | 19 14.2 | 29.1 | |
| 9.2 | 14.4 | 32.6 | B |
| 7.9 | 26.1 | 36.0 | K |
| 8.8 | 34.7 | 42.0 | |
| 9.0 | 20 32.4 | 29.9 | |
| 9.3 | 22 10.6 | 23.0 | |
| 9.5 | 31.3 | 9.0 | |
| 9.2 | 45.0 | 37.4 | B |
| 8.1 | 23 5.2 | 39.2 | K |
| 9.5 | 36.5 | 5.3 | |
| 9.5 | 24 52.0 | 3.0 | |
| 9.5 | 53.5 | 43.0 | |
| 9.5 | 25 3.1 | 52.4 | |
| 9.1 | 45.4 | 34.0 | |
| 4.7 | 26 2.8 | 15.6 | K |
| 8.5 | 9.7 | 38.5 | K |
| 6.8 | 20.3 | 36.3 | K |
| 9.3 | 21.5 | 45.5 | |
| 9.5 | 27 26.1 | 28.1 | |
| 9.5 | 32.0 | 35.0 | |
| 9.5 | 28 15.5 | 51.4 | |
| 8.8 | 29 11.8 | 12.6 | K |
| 5.5 | 19.1 | 53.7 | Kb |
| 9.5 | 30 6.6 | 23.5 | |
| 9.5 | 20.8 | 51.4 | |
| 9.3 | 31 41.3 | 40.0 | |
| 9.0 | 47.2 | 43.5 | K |
| 9.5 | 48.0 | 8.7 | |
| 9.5 | 48.8 | 19.2 | B |
| 9.4 | 32 4.5 | 23.4 | |
| 8.5 | 37.1 | 54.0 | K |

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|---|---|---|
| 10 pr. | 38.09 | 2.55 |

2241—2300

| m | 9ᵘ—10ᵘ | +40° | |
|---|---|---|---|
| | ′ ″ | ′ | |
| 5.8 | 33 1.7 | 24.9 | Gb |
| 9.5 | 9.2 | 55.4 | |
| 9.5 | 25.0 | 18.2 | |
| 9.5 | 27.5 | 13.3 | |
| 9.0 | 42.8 | 57.0 | |
| 9.4 | 46.3 | 19.4 | |
| 9.4 | 58.4 | 26.3 | |
| 8.7 | 34 57.2 | 4.7 | |
| 8.8 | 35 26.5 | 35.0 | |
| 9.5 | 28.9 | 4.3 | |
| 9.0 | 36 37.4 | 39.5 | |
| 9.1 | 40.8 | 24.1 | |
| 7.3 | 37 6.4 | 29.1 | K |
| 8.4 | 7.2 | 32.1 | K |
| 9.5 | 34.6 | 45.5 | |
| 8.7 | 44.4 | 27.0 | K |
| 9.5 | 38 4.9 | 18.5 | |
| 9.2 | 40.6 | 29.9 | |
| 8.8 | 50.7 | 55.7 | L |
| 8.8 | 39 11.9 | 15.2 | K |
| 7.0 | 41 20.4 | 17.4 | Kb |
| 9.5 | 28.6 | 10.1 | |
| 9.5 | 42 12.4 | 16.4 | |
| 8.4 | 20.0 | 52.2 | K |
| 9.5 | 43.9 | 31.8 | B |
| 7.5 | 52.9 | 16.9 | K |
| 9.2 | 43 26.5 | 14.2 | |
| 9.4 | 47.7 | 52.0 | |
| 9.0 | 55.9 | 22.0 | |
| 9.0 | 44 14.0 | 0.9 | B |
| 9.5 | 14.6 | 12.4 | |
| 9.5 | 47 25.7 | 24.9 | |
| 9.5 | 45.4 | 5.9 | |
| 9.3 | 48 42.6 | 1.9 | |
| 9.5 | 49 14.0 | 59.6 | |
| 9.3 | 19.4 | 39.3 | |
| 9.4 | 50 9.5 | 26.8 | |
| 8.4 | 55.2 | 56.9 | K |
| 9.3 | 52 5.4 | 4.2 | |
| 9.2 | 8.0 | 6.5 | |
| 9.5 | 22.5 | 28.4 | |
| 9.0 | 55 54.9 | 22.4 | |
| 9.5 | 56 12.4 | 45.3 | |
| 9.3 | 43.8 | 28.3 | |
| 8.3 | 57.0 | 34.2 | |
| 6.8 | 57 11.5 | 17.3 | K |
| 9.2 | 16.9 | 53.2 | |
| 7.3 | 46.5 | 13.4 | K |
| 8.8 | 58 19.0 | 39.3 | |
| 9.0 | 59 57.5 | 38.8 | |
| 8.3 | 1 46.5 | 13.0 | |
| 9.5 | 50.8 | 49.3 | |
| 8.3 | 59.2 | 38.2 | |
| 9.5 | 59.2 | 17.0 | |
| 8.0 | 2 8.3 | 4.9 | Kb |
| 9.5 | 36.0 | 55.5 | |
| 8.9 | 54.5 | 54.7 | K |
| 9.3 | 3 18.8 | 6.2 | |
| 8.6 | 18.9 | 54.6 | K |
| 9.0 | 33.5 | 47.7 | K |

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|---|---|---|
| 10 pr. | 37.09 | 2.77 |

| 2301—2360 | | | | | 2361—2420 | | | | | 2421—2480 | | | | | 2481—2540 | | | | | 2541—2600 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10ᵘ | | +40° | | | 10ᵘ—11ᵘ | | +40° | | | 11ᵘ | | +40° | | | 11ᵘ—12ᵘ | | +40° | | | 12ᵘ | | +40° | |
| m | | | | | m | | | | | m | | | | | m | | | | | m | | | | |
| 8.8 | 4′ | 13.″4 | 5.′5 | | 8.3 | 34′ | 57.″6 | 57.′4 | Kb | 6.5 | 14′ | 47.″9 | 58.′9 | K | 9.5 | 49′ | 30.″4 | 25.′9 | | 9.4 | 22′ | 53.″2 | 38.′0 | B |
| 9.5 | | 19.8 | 45.2 | | 9.3 | 35 | 19.7 | 0.7 | | 8.8 | 15 | 16.4 | 59.9 | K | 9.1 | | 32.4 | 11.0 | K | 7.2 | 23 | 8.4 | 4.1 | K |
| 9.2 | | 23.6 | 51.3 | | 8.1 | | 54.3 | 39.6 | K | 9.5 | | 30.2 | 2.7 | B | 9.5 | 50 | 18.9 | 2.5 | | 6.8 | | 58.7 | 23.2 | K |
| 9.0 | | 49.6 | 12.4 | K | 9.2 | 36 | 19.2 | 11.1 | | 9.3 | | 37.0 | 24.1 | B | 9.1 | | 34.4 | 29.9 | b | 9.5 | 24 | 18.2 | 28.7 | |
| 8.0 | 5 | 4.6 | 3.0 | K | 8.6 | | 49.4 | 21.0 | | 9.5 | 17 | 11.5 | 3.7 | | 7.9 | 51 | 6.4 | 59.6 | K | 9.0 | 25 | 31.2 | 19.3 | K |
| 9.1 | | 51.0 | 8.2 | Kb | 8.0 | 37 | 48.1 | 14.9 | K | 9.4 | | 18.9 | 25.1 | | 9.1 | | 59.0 | 57.3 | | 9.5 | | 40.2 | 43.7 | |
| 9.4 | | 56.0 | 20.9 | | 9.3 | | 55.6 | 42.0 | | 9.2 | 18 | 14.8 | 58.5 | K | 9.5 | 52 | 10.6 | 54.3 | B | 9.0 | | 47.5 | 19.2 | K |
| 9.4 | 6 | 15.4 | 58.2 | | 9.5 | 38 | 2.9 | 49.0 | | 9.1 | | 32.4 | 11.0 | b | 8.5 | | 10.9 | 47.3 | K | 8.3 | 26 | 31.3 | 5.5 | B |
| 9.5 | | 28.5 | 13.4 | | 9.5 | 39 | 18.6 | 13.4 | | 9.5 | | 49.2 | 21.6 | | 8.9 | 53 | 1.4 | 14.0 | K | 9.5 | 27 | 32.2 | 49.1 | |
| 9.0 | 7 | 39.8 | 27.8 | | 9.5 | | 36.8 | 44.4 | | 9.5 | 19 | 46.0 | 56.6 | | 8.3 | 54 | 12.4 | 23.0 | Kb | 9.4 | 28 | 39.2 | 34.6 | |
| 8.4 | | 44.2 | 46.7 | K | 6.9 | | 42.9 | 30.8 | K | 9.3 | 20 | 45.4 | 18.2 | | 9.0 | | 44.9 | 21.4 | K | 7.0 | | 44.8 | 29.0 | K |
| 9.5 | 8 | 8.8 | 31.8 | | 9.5 | 40 | 0.9 | 42.9 | | 8.1 | | 45.9 | 6.3 | K | 9.4 | | 48.5 | 41.5 | | 8.5 | 29 | 13.4 | 19.1 | K |
| 7.8 | 10 | 10.3 | 2.4 | L | 8.3 | | 9.5 | 22.0 | K | 5.0 | 21 | 16.5 | 8.2 | Kb | 9.2 | | 53.0 | 19.6 | | 8.5 | | 27.2 | 4.6 | K |
| 9.4 | 12 | 5.7 | 27.3 | | 8.8 | 41 | 20.7 | 35.0 | K | 9.4 | | 42.0 | 24.4 | | 8.9 | 55 | 51.0 | 17.0 | K | 9.0 | | 49.2 | 33.7 | |
| 9.5 | | 14.3 | 53.2 | | 9.4 | 43 | 16.5 | 26.4 | B | 9.2 | 23 | 41.4 | 18.1 | B | 9.5 | | 58.5 | 22.7 | B | 8.6 | 30 | 20.3 | 53.5 | |
| 9.1 | | 34.2 | 14.4 | b | 9.0 | | 39.7 | 52.4 | K | 8.2 | | 43.7 | 54.2 | Kb | 9.1 | 57 | 55.8 | 58.6 | b | 9.1 | | 31.3 | 8.0 | B |
| 9.5 | 13 | 0.3 | 20.4 | | 9.3 | 44 | 0.6 | 5.1 | b | 9.5 | 24 | 25.7 | 25.3 | | 9.4 | 58 | 31.0 | 39.8 | | 8.2 | 31 | 12.5 | 46.1 | K |
| 9.5 | | 21.6 | 10.8 | B | 7.0 | | 27.6 | 56.4 | K | 9.4 | 25 | 12.6 | 24.0 | B | 9.1 | 0 | 3.4 | 2.1 | Kb | 7.5 | | 48.9 | 5.8 | K |
| 9.5 | | 30.0 | 10.9 | B | 9.4 | 45 | 14.4 | 27.0 | | 8.2 | | 16.8 | 7.1 | K | 9.5 | | 19.0 | 59.0 | | 8.8 | | 54.4 | 54.9 | K |
| 9.4 | | 49.7 | 38.8 | | 9.5 | | 40.8 | 13.8 | | 9.5 | | 26.2 | 22.0 | | 8.4 | | 34.9 | 48.2 | K | 9.2 | 32 | 57.3 | 17.0 | K |
| 8.5 | 14 | 8.6 | 39.4 | K | 9.3 | | 51.6 | 17.3 | B | 9.1 | 27 | 43.9 | 41.4 | K | 6.8 | | 45.7 | 28.3 | K | 9.3 | | 59.2 | 0.3 | B |
| 9.0 | 15 | 58.3 | 52.9 | | 9.0 | 46 | 22.4 | 52.5 | | 9.4 | 28 | 51.5 | 1.5 | | 9.5 | 1 | 4.4 | 4.8 | | 9.4 | 33 | 24.7 | 2.8 | |
| 9.1 | 16 | 25.0 | 5.4 | | 9.5 | | 28.6 | 23.1 | | 9.5 | 29 | 42.0 | 2.5 | | 8.9 | | 38.4 | 40.9 | K | 9.4 | | 32.0 | 13.3 | B |
| 9.0 | | 30.1 | 38.1 | | 7.5 | | 43.4 | 35.0 | K | 8.9 | | 59.9 | 56.7 | K | 9.5 | | 40.6 | 59.3 | | 9.5 | 34 | 18.8 | 12.7 | |
| 9.5 | | 43.7 | 11.6 | | 8.0 | 48 | 32.9 | 35.0 | K | 9.2 | 30 | 20.8 | 21.4 | | 8.0 | 2 | 32.7 | 14.5 | B | 9.4 | 36 | 2.0 | 56.0 | |
| 9.5 | 17 | 10.7 | 54.9 | | 9.1 | | 36.6 | 45.0 | | 9.4 | | 31.8 | 44.8 | | 8.8 | | 43.4 | 25.9 | | 8.6 | | 26.7 | 25.7 | Kb |
| 7.5 | | 31.5 | 0.4 | K | 8.2 | | 41.2 | 29.2 | K | 9.5 | 31 | 57.4 | 45.2 | | 9.0 | 3 | 23.0 | 7.5 | | 8.9 | 37 | 27.2 | 55.0 | K |
| 9.4 | 18 | 46.4 | 55.4 | | 9.5 | 49 | 2.4 | 59.8 | | 9.5 | 32 | 5.3 | 5.1 | | 7.1 | | 27.3 | 41.9 | B | 9.3 | | 33.2 | 23.7 | |
| 8.2 | 19 | 4.3 | 4.4 | L | 9.4 | 50 | 14.6 | 58.5 | | 9.4 | | 38.0 | 35.4 | | 9.0 | 5 | 22.5 | 51.6 | K | 9.5 | | 43.0 | 40.6 | |
| 9.3 | | 29.8 | 3.7 | | 9.4 | | 15.3 | 55.1 | | 9.2 | 33 | 10.1 | 52.7 | K | 9.3 | | 23.5 | 8.0 | | 6.1 | 38 | 7.7 | 4.0 | Kb |
| 9.0 | | 46.8 | 57.4 | K | 9.1 | | 48.6 | 1.0 | | 8.4 | 34 | 32.9 | 28.8 | K | 9.1 | | 24.9 | 11.9 | K | 8.3 | | 41.8 | 34.8 | K |
| 9.5 | 20 | 20.6 | 8.2 | | 9.5 | 51 | 59.5 | 30.0 | | 9.3 | | 44.1 | 12.6 | B | 8.0 | 6 | 38.9 | 47.3 | K | 8.9 | 40 | 12.4 | 29.3 | K |
| 9.1 | | 26.9 | 32.2 | B | 9.1 | 54 | 37.1 | 51.7 | Kb | 9.0 | | 46.4 | 23.9 | K | 6.5 | 7 | 19.0 | 8.6 | Kb | 9.4 | | 57.6 | 6.6 | |
| 9.3 | | 43.4 | 29.4 | | 9.5 | 56 | 4.7 | 0.2 | | 9.4 | | 55.1 | 28.9 | | 8.5 | 8 | 10.4 | 54.8 | K | 9.3 | 41 | 30.3 | 3.2 | |
| 8.5 | | 56.6 | 30.5 | | 9.3 | | 10.4 | 53.8 | K | 9.2 | 35 | 0.0 | 0.4 | K | 9.0 | 9 | 2.4 | 5.9 | K | 9.1 | | 47.2 | 7.0 | b |
| 8.9 | 21 | 11.9 | 24.0 | | 9.4 | 57 | 23.4 | 13.5 | | 9.4 | | 53.4 | 52.2 | | 7.2 | | 26.6 | 23.0 | K | 9.3 | 42 | 31.9 | 19.3 | |
| 8.9 | | 13.1 | 6.4 | B | 9.5 | | 41.2 | 6.3 | | 8.6 | 36 | 19.9 | 51.7 | K | 8.5 | | 34.3 | 21.4 | K | 9.3 | | 33.2 | 37.8 | |
| 8.5 | | 43.8 | 43.4 | | 8.0 | 58 | 2.2 | 35.4 | L | 9.5 | | 25.3 | 3.8 | | 8.9 | | 54.7 | 39.1 | | 7.7 | 43 | 0.1 | 38.3 | B |
| 9.0 | 22 | 4.9 | 15.5 | B | 9.1 | | 42.3 | 0.1 | b | 8.6 | | 46.5 | 17.0 | | 9.2 | 10 | 27.2 | 22.7 | K | 8.8 | | 14.9 | 41.0 | K |
| 9.3 | 23 | 1.5 | 4.4 | | 9.2 | | 58.1 | 51.5 | K | 9.4 | 37 | 58.9 | 1.8 | | 8.8 | 11 | 1.0 | 46.0 | K | 9.3 | | 21.1 | 59.5 | |
| 8.8 | 24 | 2.4 | 20.7 | K | 9.2 | 59 | 41.5 | 34.6 | K | 8.0 | 38 | 21.6 | 12.5 | K | 8.7 | | 8.9 | 36.0 | K | 9.5 | 44 | 15.3 | 54.5 | B |
| 9.5 | | 19.5 | 23.1 | | 9.2 | 0 | 3.5 | 19.2 | b | 9.0 | | 22.7 | 51.7 | K | 9.5 | | 23.7 | 50.0 | | 9.0 | | 19.0 | 52.2 | B |
| 9.5 | | 28.1 | 56.2 | B | 9.5 | 1 | 31.4 | 45.0 | | 8.4 | | 31.4 | 13.5 | K | 9.1 | | 28.8 | 59.5 | | 9.5 | | 48.4 | 12.9 | |
| 9.3 | | 36.5 | 2.5 | | 9.5 | 2 | 31.7 | 9.2 | | 9.3 | | 37.6 | 8.1 | | 8.0 | 12 | 12.1 | 25.8 | B | 9.5 | 45 | 12.1 | 59.2 | |
| 9.5 | 25 | 13.8 | 4.7 | | 9.3 | 4 | 10.4 | 26.6 | | 9.1 | 39 | 6.8 | 53.2 | | 9.4 | | 32.1 | 3.4 | | 9.1 | | 58.4 | 36.7 | K |
| 9.4 | | 31.9 | 3.9 | B | 9.3 | | 45.6 | 8.6 | Bb | 9.0 | | 23.4 | 21.5 | | 8.8 | 13 | 56.9 | 19.0 | B | 9.5 | 46 | 9.0 | 52.7 | |
| 9.5 | 26 | 23.8 | 55.9 | | 9.4 | 5 | 1.7 | 57.9 | S | 7.8 | | 51.9 | 44.2 | K | 9.4 | 14 | 18.9 | 11.8 | | 9.5 | | 29.9 | 9.4 | |
| 9.4 | 27 | 35.8 | 54.8 | B | 7.8 | | 58.1 | 46.0 | K | 9.1 | 41 | 6.0 | 25.4 | Kb | 9.4 | | 33.6 | 12.1 | B | 9.5 | 47 | 53.1 | 5.6 | |
| 9.4 | 30 | 30.4 | 49.4 | | 8.2 | 7 | 45.8 | 29.1 | K | 9.5 | | 27.6 | 6.0 | | 8.0 | 15 | 39.7 | 4.9 | Kb | 9.1 | | 54.1 | 10.4 | Bb |
| 9.3 | | 42.9 | 2.3 | | 9.5 | 8 | 21.3 | 40.5 | | 9.1 | 42 | 24.2 | 6.8 | | 8.3 | 16 | 17.6 | 36.1 | K | 8.3 | 48 | 3.7 | 29.8 | K |
| 9.3 | | 44.8 | 57.8 | | 9.2 | | 21.4 | 23.6 | K | 9.4 | | 41.4 | 37.3 | | 9.3 | | 28.5 | 43.3 | | 9.3 | | 15.9 | 25.7 | B |
| 9.3 | 31 | 8.4 | 21.0 | | 9.0 | | 55.0 | 40.0 | | 8.1 | 45 | 5.8 | 56.2 | K | 9.2 | | 53.2 | 24.7 | | 9.1 | | 16.3 | 2.7 | |
| 9.3 | | 25.6 | 35.0 | | 9.0 | 9 | 34.4 | 17.2 | K | 9.5 | | 28.0 | 56.5 | | 8.5 | | 55.8 | 40.1 | K | 9.5 | | 47.4 | 26.6 | |
| 8.0 | | 27.1 | 9.3 | K | 9.4 | 10 | 50.9 | 43.5 | | 8.0 | 46 | 25.6 | 25.1 | B | 9.4 | 17 | 24.7 | 32.5 | | 9.5 | 49 | 7.1 | 6.5 | |
| 8.5 | | 51.9 | 52.4 | K | 9.2 | 11 | 54.4 | 51.4 | K | 9.0 | 47 | 11.4 | 4.1 | | 9.0 | 18 | 9.9 | 52.5 | K | 9.4 | | 20.5 | 5.4 | |
| 9.3 | 32 | 41.3 | 10.7 | B | 9.5 | 12 | 18.9 | 50.0 | | 9.3 | | 43.0 | 31.5 | K | 9.0 | | 11.4 | 2.5 | | 8.3 | | 26.7 | 31.8 | K |
| 9.5 | | 44.7 | 4.4 | B | 9.4 | | 21.4 | 36.0 | | 9.1 | | 59.2 | 37.0 | B | 8.0 | | 54.2 | 41.6 | K | 9.5 | 50 | 42.7 | 47.3 | B |
| 9.2 | 33 | 4.7 | 21.4 | B | 9.5 | 13 | 28.5 | 25.0 | | 9.5 | 48 | 36.6 | 6.3 | | 8.3 | 19 | 15.7 | 42.1 | K | 6.8 | 52 | 12.0 | 37.4 | G |
| 9.4 | | 17.2 | 57.5 | | 9.1 | | 34.9 | 36.6 | K | 9.2 | | 54.4 | 3.5 | K | 9.5 | 21 | 38.7 | 8.8 | | 9.3 | | 25.9 | 50.3 | |
| 9.0 | | 55.3 | 3.6 | K | 9.1 | 14 | 3.4 | 43.0 | K | 9.5 | 49 | 25.0 | 16.0 | | 9.0 | 22 | 32.2 | 24.2 | K | 9.5 | | 30.7 | 5.6 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 35.57 | 3.03 | | 10pr. | | 34.14 | 3.19 | | 10pr. | | 32.02 | 3.32 | | 10pr. | | 30.45 | 3.34 | | 10pr. | | 28.82 | 3.29 | |

| 2601—2660 | | | | 2661—2720 | | | | 2721—2780 | | | | 2781—2840 | | | | 2841—2900 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12ᵃ—13ᵃ | +40° | | | 13ᵃ | +40° | | | 13ᵃ—14ᵃ | +40° | | | 14ᵃ | +40° | | | 14ᵃ—15ᵃ | +40° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 8.5 | 52′ 45.0 | 38.8 | K | 9.5 | 24′ 39.8 | 40.5 | | 8.9 | 56′ 18.0 | 52.7 | K | 8.3 | 21′ 38.3 | 48.6 | K | 8.7 | 57′ 21.7 | 44.9 | |
| 9.1 | 53 32.1 | 46.9 | B | 8.6 | 25 49.0 | 53.8 | K | 8.8 | 52.3 | 7.5 | K | 9.5 | 47.9 | 54.3 | | 9.0 | 58 36.8 | 11.8 | |
| 9.3 | 33.3 | 49.9 | | 7.6 | 26 8.0 | 2.2 | L | 8.0 | 57 5.3 | 47.8 | K | 9.4 | 22 36.9 | 15.8 | | 9.2 | 39.3 | 31.3 | |
| 8.8 | 50.5 | 12.4 | | 9.2 | 24.1 | 48.4 | K | 8.5 | 26.2 | 21.4 | K | 9.3 | 51.9 | 51.6 | | 9.2 | 50.5 | 38.2 | |
| 9.1 | 51.0 | 29.3 | | 7.9 | 40.7 | 6.5 | L | 9.5 | 58 32.8 | 20.9 | | 7.3 | 23 6.9 | 15.8 | K | 9.1 | 59 13.7 | 6.1 | |
| 9.3 | 54 10.3 | 17.4 | | 7.4 | 27 7.0 | 40.5 | K | 8.8 | 59 21.1 | 59.5 | K | 8.7 | 8.9 | 54.8 | K | 9.5 | 22.9 | 54.0 | |
| 9.3 | 28.2 | 37.3 | | 9.3 | 28 55.2 | 34.4 | | 9.5 | 32.7 | 46.2 | | 9.2 | 26.8 | 50.6 | K | 9.5 | 47.1 | 20.4 | |
| 8.6 | 41.0 | 50.2 | K | 9.4 | 29 22.5 | 19.5 | b | 8.2 | 44.6 | 40.3 | K | 9.4 | 39.7 | 46.6 | | 8.5 | 51.3 | 31.0 | |
| 9.3 | 55 1.6 | 6.5 | | 9.5 | 30 33.0 | 41.4 | | 9.5 | 0 24.1 | 4.1 | | 9.5 | 44.6 | 2.4 | | 8.9 | 0 4.5 | 36.7 | |
| 9.5 | 42.2 | 45.8 | | 9.5 | 31 8.2 | 7.5 | | 9.1 | 41.6 | 42.7 | K | 8.8 | 48.2 | 26.4 | K | 9.3 | 23.2 | 11.8 | B |
| 9.3 | 56 8.0 | 14.5 | | 9.5 | 32 26.9 | 26.5 | | 9.5 | 1 59.8 | 8.8 | | 9.4 | 25 7.8 | 11.3 | | 9.5 | 33.2 | 35.6 | |
| 9.5 | 23.7 | 41.3 | | 9.0 | 34.6 | 19.5 | K | 9.4 | 2 6.8 | 37.2 | | 8.2 | 25.1 | 20.4 | K | 9.0 | 41.3 | 13.2 | K |
| 9.4 | 36.5 | 25.1 | B | 9.0 | 41.9 | 15.5 | B | 9.5 | 11.9 | 39.4 | B | 7.8 | 29.4 | 33.3 | K | 9.5 | 46.8 | 47.5 | |
| 9.5 | 57 3.0 | 33.3 | | 8.6 | 33 18.3 | 49.4 | K | 9.5 | 16.9 | 40.1 | | 8.9 | 26 0.7 | 44.9 | K | 8.7 | 1 26.0 | 9.9 | K |
| 9.5 | 14.5 | 53.5 | B | 9.1 | 35.9 | 49.9 | K | 9.5 | 49.0 | 55.3 | | 9.3 | 59.4 | 32.6 | | 7.8 | 43.7 | 40.5 | K |
| 8.6 | 25.7 | 38.2 | B | 9.5 | 46.8 | 56.3 | | 8.8 | 56.0 | 19.0 | K | 9.0 | 28 7.1 | 23.2 | | 9.0 | 2 18.7 | 29.6 | K |
| 8.9 | 37.5 | 59.6 | K | 8.2 | 34 14.7 | 44.9 | K | 8.7 | 56.4 | 12.7 | K | 8.6 | 59.6 | 3.7 | Kb | 9.5 | 42.3 | 30.6 | |
| 7.2 | 58.0 | 6.3 | Kb | 8.6 | 22.7 | 29.0 | K | 9.5 | 59.3 | 28.0 | | 9.5 | 29 50.8 | 8.1 | | 8.2 | 45.8 | 12.3 | K |
| 9.3 | 59 0.0 | 49.7 | | 8.5 | 25.7 | 14.6 | K | 9.4 | 3 23.1 | 21.3 | | 9.2 | 30 11.4 | 34.0 | | 9.1 | 3 24.2 | 46.6 | K |
| 8.5 | 6.7 | 42.8 | B | 9.5 | 37.8 | 12.4 | B | 7.5 | 26.7 | 43.8 | K | 8.7 | 27.2 | 4.4 | | 9.3 | 5 8.8 | 1.7 | |
| 7.0 | 6.9 | 23.4 | G | 8.7 | 35 33.7 | 30.4 | K | 9.5 | 30.8 | 18.9 | | 7.9 | 29.9 | 53.3 | K | 9.1 | 56.7 | 40.5 | b |
| 9.3 | 19.0 | 30.8 | | 9.2 | 47.5 | 20.1 | | 9.2 | 57.7 | 45.3 | | 9.5 | 31 39.3 | 29.1 | | 8.7 | 6 40.3 | 29.6 | |
| 8.9 | 21.5 | 23.9 | | 9.1 | 36 8.4 | 10.1 | | 9.5 | 4 15.2 | 23.0 | | 9.5 | 32 11.8 | 47.8 | | 8.1 | 50.3 | 12.5 | R |
| 8.4 | 0 39.9 | 2.2 | Kb | 9.3 | 12.3 | 45.4 | | 7.5 | 25.9 | 12.7 | G | 8.5 | 22.5 | 38.9 | K | 9.3 | 7 46.8 | 55.0 | |
| 9.5 | 1 29.8 | 38.8 | | 9.3 | 29.4 | 18.6 | | 8.4 | 35.7 | 6.5 | Lb | 9.5 | 33 4.0 | 18.6 | | 9.2 | 9 11.7 | 58.0 | |
| 9.1 | 40.0 | 30.3 | Kb | 9.4 | 37 21.9 | 30.9 | | 9.5 | 53.0 | 25.2 | | 8.0 | 34 57.7 | 30.7 | K | 9.2 | 28.1 | 2.4 | K |
| 9.2 | 2 32.5 | 46.3 | | 8.4 | 38 9.7 | 22.1 | K | 9.5 | 5 2.9 | 13.1 | | 9.5 | 35 40.4 | 22.6 | B | 8.9 | 10 52.7 | 54.0 | K |
| 8.5 | 50.2 | 1.3 | | 9.0 | 39 16.4 | 12.6 | | 9.5 | 58.9 | 32.9 | | 7.6 | 36 30.6 | 1.5 | Kb | 9.3 | 12 25.1 | 25.2 | B |
| 9.5 | 3 33.6 | 2.5 | | 9.0 | 59.7 | 48.9 | K | 9.5 | 6 12.4 | 51.7 | | 8.3 | 34.7 | 40.4 | K | 9.3 | 26.0 | 10.7 | |
| 9.2 | 4 15.2 | 25.6 | B | 9.2 | 41 47.5 | 9.5 | | 9.5 | 22.1 | 43.3 | | 9.4 | 37 4.7 | 44.8 | | 8.2 | 13 15.4 | 8.0 | L |
| 9.3 | 5 45.2 | 17.3 | B | 9.1 | 49.3 | 21.4 | | 9.5 | 30.1 | 59.4 | | 8.5 | 20.7 | 44.1 | K | 8.6 | 14 15.5 | 10.8 | K |
| 8.5 | 6 42.5 | 39.8 | | 9.4 | 59.0 | 11.8 | | 9.2 | 59.0 | 58.4 | K | 9.4 | 38 56.1 | 21.4 | | 9.5 | 28.3 | 12.2 | |
| 5.0 | 7 8.0 | 56.1 | G | 8.0 | 42 22.3 | 59.2 | K | 9.4 | 7 4.3 | 30.2 | Kb | 9.4 | 39 39.6 | 42.9 | | 9.5 | 15 57.2 | 22.5 | |
| 8.3 | 8 13.4 | 39.3 | K | *var* | 43.2 | 15.9 | Bb | 9.3 | 7.0 | 56.9 | | 9.1 | 49.9 | 14.2 | K | 8.0 | 16 13.0 | 40.6 | Kb |
| 9.5 | 20.3 | 29.6 | B | 8.9 | 43 46.7 | 6.9 | Kb | 9.5 | 8 11.1 | 22.2 | | 9.1 | 41 4.6 | 3.7 | K | 9.4 | 32.7 | 12.1 | *B* |
| 9.5 | 28.6 | 5.7 | B | 9.1 | 51.6 | 49.3 | | 9.3 | 25.1 | 59.7 | | 9.4 | 43 56.6 | 39.7 | b | 8.3 | 17 7.3 | 1.2 | *L* |
| 9.0 | 39.0 | 52.1 | K | 9.5 | 44 30.2 | 12.4 | | 9.0 | 38.7 | 7.4 | | 7.9 | 57.7 | 4.4 | K | 5.5 | 16.3 | 6.3 | K |
| 9.5 | 9 14.5 | 57.2 | | 9.5 | 40.0 | 35.8 | | 7.3 | 9 38.1 | 21.2 | K | 9.2 | 45 44.0 | 56.5 | K | 8.4 | 18 1.5 | 52.0 | K |
| 9.5 | 18.4 | 33.3 | | 9.1 | 45 3.9 | 23.1 | K | 9.5 | 39.2 | 26.6 | | 9.4 | 46 12.7 | 6.6 | | 9.3 | 16.5 | 52.0 | |
| 9.1 | 26.9 | 1.7 | Kb | 8.6 | 7.2 | 41.8 | K | 6.3 | 10 29.7 | 25.1 | K | 8.3 | 56.1 | 40.0 | | 9.5 | 18.8 | 9.0 | B |
| 9.1 | 11 28.6 | 4.5 | K | 6.9 | 36.1 | 23.9 | K | 9.5 | 11 47.0 | 6.4 | | 9.0 | 47 15.8 | 9.9 | | 9.3 | 19 22.4 | 9.0 | |
| 7.8 | 55.9 | 39.8 | K | 9.2 | 53.1 | 18.4 | B | 7.2 | 12 4.4 | 34.7 | K | 9.5 | 24.9 | 52.3 | | 9.2 | 25.3 | 46.6 | |
| 9.5 | 12 27.0 | 39.3 | | 8.0 | 47 16.3 | 33.8 | L | 9.0 | 17.5 | 37.2 | K | 9.3 | 48 4.6 | 39.7 | | 9.5 | 20 1.8 | 25.2 | |
| 9.0 | 36.6 | 25.4 | B | 8.8 | 56.8 | 20.4 | | 9.3 | 13 52.7 | 44.4 | | 9.1 | 24.2 | 23.9 | K | 9.1 | 45.2 | 19.7 | |
| 8.9 | 43.9 | 26.8 | K | 9.4 | 48 19.3 | 55.7 | | 9.4 | 14 14.8 | 8.9 | | 9.0 | 47.1 | 59.2 | K | 9.1 | 47.8 | 25.5 | K |
| 9.2 | 13 0.2 | 58.4 | K | 7.5 | 49 44.6 | 9.7 | Kb | 9.5 | 46.6 | 42.0 | | 8.6 | 49 11.0 | 37.0 | K | 9.2 | 21 15.4 | 24.7 | |
| 5.5 | 50.8 | 55.9 | Kb | 9.5 | 46.7 | 12.9 | | 9.3 | 15 0.0 | 18.8 | K | 7.3 | 53.9 | 14.5 | K | 9.2 | 22 23.8 | 48.6 | |
| 9.3 | 14 47.3 | 30.0 | | 9.4 | 51 42.1 | 34.5 | | 8.0 | 45.9 | 13.9 | K | 8.9 | 50 5.6 | 3.7 | b | 9.5 | 26.8 | 29.1 | |
| 8.0 | 15 19.0 | 9.1 | Kb | 9.5 | 52 11.5 | 4.2 | | 9.1 | 16 5.9 | 34.6 | K | 7.9 | 12.9 | 14.0 | K | 9.0 | 23 13.1 | 45.9 | B |
| 8.5 | 34.8 | 38.4 | L | 8.5 | 20.0 | 34.3 | Kb | 8.8 | 6.0 | 58.6 | K | 9.4 | 38.3 | 29.6 | | 9.5 | 21.2 | 45.8 | |
| 9.5 | 16 20.5 | 29.5 | | 9.3 | 39.3 | 43.8 | | 9.5 | 43.0 | 19.8 | | 7.5 | 51 55.9 | 44.5 | K | 9.5 | 53.7 | 38.1 | |
| 9.5 | 32.6 | 27.0 | B | 9.4 | 54 11.9 | 16.0 | B | 9.5 | 17 25.9 | 52.7 | | 8.8 | 52 11.7 | 45.6 | K | 7.0 | 24 48.5 | 25.1 | K |
| 8.2 | 45.3 | 23.0 | K | 9.5 | 18.5 | 13.2 | B | 9.0 | 18 22.5 | 39.1 | | 8.6 | 32.8 | 48.3 | K | 7.5 | 53.2 | 51.0 | K |
| 7.7 | 55.9 | 11.5 | G | 9.5 | 28.4 | 16.0 | | 9.5 | 24.6 | 1.3 | | 9.4 | 50.9 | 51.5 | | 8.0 | 25 0.0 | 10.8 | K |
| 9.5 | 17 43.6 | 1.1 | | 9.5 | 58.1 | 17.9 | | 9.4 | 33.9 | 54.9 | | 6.5 | 53 51.9 | 13.3 | K | 8.5 | 52.9 | 51.0 | |
| 8.7 | 43.7 | 58.8 | K | 9.2 | 55 4.3 | 46.3 | K | 9.1 | 19 22.0 | 58.1 | K | 9.5 | 59.4 | 32.1 | | 7.8 | 26 25.9 | 10.4 | L |
| 9.1 | 18 1.5 | 21.0 | | 9.3 | 31.4 | 32.7 | B | 9.5 | 55.6 | 2.5 | | 9.2 | 55 3.3 | 29.6 | | 9.4 | 56.2 | 34.5 | *aR* |
| 8.9 | 19 15.8 | 51.8 | K | 9.1 | 43.8 | 41.8 | | 9.5 | 20 2.9 | 53.6 | | 7.0 | 31.6 | 39.7 | K | 9.3 | 27 42.6 | 41.9 | |
| 9.4 | 20 21.8 | 41.0 | | 9.0 | 59.3 | 45.8 | K | 9.5 | 4.5 | 58.3 | | 9.4 | 56 27.5 | 36.7 | | 9.5 | 55.9 | 0.9 | |
| 8.8 | 24 8.8 | 10.1 | K | 9.0 | 56 10.6 | 6.0 | | 9.4 | 29.9 | 14.1 | | 3.0 | 29.9 | 57.7 | K | 9.0 | 28 20.6 | 24.9 | K |
| *10 pr.* | + 27.52 | — 3.21 | | *10 pr.* | + 25.81 | — 3.02 | | *10 pr.* | + 24.73 | — 2.85 | | *10 pr.* | + 23.49 | — 2.59 | | *10 pr.* | + 22.18 | — 2.22 | |

| 2668ᵃ | | | |
|---|---|---|---|
| 9.5 | 29 31.7 | 19.6 | |

| 2901—2960 | | | | | 2961—3020 | | | | | 3021—3080 | | | | | 3081—3140 | | | | | 3141—3200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15ᵐ | | +40° | | | 15ᵐ—16ᵐ | | +40° | | | 16ᵐ | | +40° | | | 16ᵐ—17ᵐ | | +40° | | | 17ᵐ | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 9.0 | 28 | 50.6 | 50.7 | Kb | 9.0 | 56 | 58.5 | 50.6 | | 9.4 | 24 | 15.9 | 40.9 | | 9.0 | 52 | 37.6 | 48.0 | K | 9.0 | 19 | 40.3 | 32.3 | |
| 9.1 | 30 | 5.3 | 10.7 | aR | 6.8 | | 59.5 | 24.7 | K | 9.5 | | 27.5 | 42.2 | | 9.5 | 53 | 18.0 | 54.2 | | 8.7 | 20 | 1.4 | 52.7 | |
| 7.8 | | 45.1 | 19.4 | K | 9.4 | 58 | 18.1 | 34.2 | | 9.5 | | 28.0 | 51.1 | | 9.5 | | 32.5 | 29.8 | | 9.5 | | 25.8 | 18.3 | |
| 8.2 | | 49.5 | 48.3 | K | 9.5 | | 32.2 | 1.4 | | 9.3 | | 33.2 | 13.4 | K | 9.3 | 54 | 50.4 | 4.7 | K | 9.2 | | 31.1 | 51.5 | |
| 6.8 | | 52.6 | 16.9 | K | 9.0 | 59 | 18.6 | 51.6 | K | 8.5 | 26 | 26.8 | 47.3 | K | 9.4 | 55 | 15.1 | 26.4 | | 8.1 | 21 | 3.6 | 59.4 | K |
| 8.5 | 31 | 42.8 | 46.9 | K | 9.3 | | 33.2 | 2.1 | K | 9.2 | | 45.5 | 39.9 | B | 8.0 | | 20.9 | 34.3 | L | 9.5 | | 31.1 | 54.6 | |
| 5.0 | 32 | 37.1 | 50.3 | K | 9.4 | 0 | 41.5 | 37.7 | | 9.4 | | 56.7 | 43.6 | | 9.4 | | 43.5 | 41.3 | | 9.5 | | 55.8 | 34.2 | |
| 9.0 | 33 | 46.6 | 50.8 | K | 9.3 | 1 | 2.1 | 50.6 | | 9.5 | 27 | 12.8 | 33.0 | | 9.4 | | 55.4 | 4.4 | Kb | 9.5 | | 59.3 | 57.7 | |
| 9.3 | 34 | 10.1 | 59.3 | K | 8.5 | | 10.5 | 7.9 | | 9.2 | | 17.0 | 5.2 | | 9.3 | 56 | 47.1 | 17.9 | | 9.5 | 22 | 42.2 | 1.8 | |
| 8.5 | 35 | 0.1 | 26.3 | K | 9.5 | 2 | 9.5 | 51.5 | | 7.0 | | 39.7 | 24.5 | K | 7.5 | 57 | 33.5 | 16.4 | K | 9.0 | | 55.8 | 13.1 | K |
| 9.0 | | 7.1 | 56.6 | B | 7.6 | 3 | 38.0 | 26.2 | K | 8.2 | | 46.2 | 17.5 | S | 9.2 | | 59.7 | 38.3 | b | 7.7 | 23 | 6.0 | 22.7 | K |
| 9.2 | | 25.0 | 0.2 | | 8.0 | 4 | 41.6 | 30.2 | K | 9.3 | | 53.1 | 10.5 | B | 9.3 | 58 | 40.1 | 16.9 | K | 8.6 | | 17.5 | 55.7 | K |
| 9.5 | 38 | 16.0 | 32.7 | | 9.0 | | 58.1 | 30.6 | K | 8.8 | 28 | 59.2 | 18.9 | K | 9.5 | 59 | 2.8 | 46.7 | B | 9.3 | | 33.4 | 24.6 | |
| 7.9 | | 48.6 | 1.1 | K | 9.0 | | 59.0 | 42.6 | | 9.3 | 29 | 22.5 | 5.2 | | 9.0 | | 14.2 | 40.5 | B | 9.0 | 25 | 38.7 | 29.7 | |
| 9.3 | 39 | 10.7 | 9.6 | | 9.3 | 5 | 8.0 | 26.3 | K | 9.5 | 30 | 48.8 | 39.8 | | 9.5 | 0 | 22.1 | 10.4 | | 9.5 | | 40.8 | 58.3 | |
| 9.0 | | 47.1 | 7.5 | B | 7.0 | | 19.5 | 54.7 | K | 8.3 | | 49.8 | 25.4 | K | 9.5 | | 38.8 | 43.7 | | 9.0 | | 43.6 | 47.0 | |
| 9.3 | | 54.7 | 7.4 | B | 9.4 | | 33.6 | 9.9 | | 9.0 | 31 | 25.8 | 40.4 | | 9.1 | 1 | 8.5 | 50.6 | b | 9.0 | | 44.1 | 13.4 | K |
| 9.3 | 40 | 1.3 | 53.7 | B | 9.5 | | 48.0 | 42.2 | | 8.6 | | 46.5 | 46.3 | K | 8.7 | | 32.7 | 8.0 | K | 9.5 | 26 | 9.2 | 0.7 | |
| 7.2 | | 23.1 | 36.8 | L | 9.0 | 6 | 17.7 | 36.4 | B | 9.0 | | 47.3 | 28.9 | K | 9.2 | | 53.5 | 6.4 | | 9.3 | | 25.0 | 51.8 | |
| 9.4 | | 32.0 | 54.6 | | 9.0 | | 25.8 | 51.2 | B | 9.4 | 32 | 22.5 | 1.6 | | 9.3 | 2 | 15.8 | 13.3 | | 9.0 | | 32.8 | 36.0 | K |
| 9.4 | | 40.3 | 49.9 | | 9.4 | | 35.3 | 20.8 | | 9.5 | | 46.8 | 17.5 | | 9.5 | | 30.6 | 5.0 | | 9.0 | | 51.6 | 21.7 | K |
| 9.2 | 41 | 7.0 | 24.1 | | 9.5 | | 49.2 | 20.8 | | 9.3 | 33 | 22.5 | 50.6 | B | 9.4 | | 54.0 | 37.9 | | 8.1 | 27 | 1.9 | 4.4 | Kb |
| 9.4 | | 13.5 | 5.7 | | 8.5 | 7 | 2.1 | 10.6 | B | 8.8 | | 58.7 | 30.4 | K | 6.2 | 3 | 3.1 | 42.2 | K | 9.5 | | 25.8 | 3.4 | |
| 9.3 | | 53.3 | 9.4 | | 9.2 | 8 | 11.9 | 1.8 | Kb | 9.3 | 34 | 10.5 | 13.9 | | 9.3 | | 47.6 | 12.2 | K | 9.2 | | 41.7 | 7.9 | K |
| 9.0 | 43 | 3.5 | 27.2 | K | 9.0 | | 15.5 | 20.8 | K | 8.9 | | 31.3 | 26.4 | K | 9.3 | | 56.6 | 29.8 | | 9.4 | | 49.4 | 1.8 | |
| 8.3 | | 18.5 | 46.7 | K | 9.5 | | 16.1 | 50.6 | | 9.3 | 35 | 9.2 | 7.2 | | 8.6 | 4 | 1.7 | 21.8 | K | 7.7 | 28 | 3.9 | 45.6 | K |
| 9.0 | | 40.8 | 58.6 | B | 6.8 | | 26.3 | 11.1 | K | 9.4 | | 9.7 | 2.6 | B | 9.0 | | 4.0 | 4.7 | | 9.5 | | 17.1 | 4.5 | |
| 8.0 | 44 | 10.7 | 7.0 | L | 9.4 | | 35.0 | 4.8 | | 9.4 | | 38.8 | 37.4 | | 8.5 | | 26.5 | 49.6 | K | 9.3 | | 19.2 | 41.5 | |
| *var* | | 20.9 | 0.7 | | 9.3 | | 39.1 | 58.0 | | 9.5 | 36 | 3.2 | 33.8 | | 5.2 | | 50.3 | 57.6 | K | 9.5 | | 28.5 | 38.6 | |
| 9.5 | 45 | 5.6 | 23.8 | | 9.5 | | 40.8 | 27.3 | | 9.2 | | 3.7 | 15.3 | B | 7.7 | 5 | 36.1 | 52.6 | K | 9.5 | | 40.8 | 54.0 | |
| 8.6 | | 49.5 | 19.8 | | 7.3 | | 54.5 | 42.2 | K | 9.2 | | 37.8 | 23.4 | | 8.0 | | 46.4 | 1.4 | | 9.0 | 30 | 18.9 | 30.7 | K |
| 7.5 | 46 | 25.3 | 10.7 | L | 9.5 | 9 | 34.3 | 8.4 | | 9.1 | | 48.9 | 4.9 | | 9.1 | 6 | 9.1 | 54.1 | K | 8.7 | | 21.0 | 46.6 | K |
| 9.5 | | 46.6 | 32.2 | | 8.9 | 11 | 15.5 | 42.7 | K | 9.5 | 37 | 11.3 | 49.3 | | 9.1 | | 37.5 | 25.3 | | 8.5 | | 51.2 | 55.0 | K |
| 8.6 | 47 | 22.1 | 22.8 | | 9.0 | | 20.6 | 5.4 | | 9.2 | | 55.0 | 31.6 | | 9.2 | | 47.5 | 37.2 | | 9.3 | | 51.7 | 30.3 | |
| 9.5 | | 25.0 | 53.4 | | 6.8 | | 49.0 | 22.3 | K | 9.4 | 38 | 1.4 | 31.6 | | 8.6 | 7 | 0.5 | 24.8 | | 9.5 | 31 | 0.0 | 57.0 | |
| 9.2 | 48 | 37.8 | 6.4 | | 9.2 | | 57.9 | 7.1 | | 9.2 | | 48.3 | 11.2 | Kb | 8.5 | | 23.1 | 34.7 | | 9.4 | | 1.0 | 33.0 | |
| 9.5 | 49 | 18.1 | 28.3 | | 9.4 | 12 | 53.1 | 29.8 | | 7.8 | 40 | 17.9 | 54.3 | B | 8.7 | | 26.5 | 43.3 | | 9.5 | | 31.5 | 0.5 | |
| 8.0 | 50 | 0.1 | 11.0 | K | 9.4 | | 57.0 | 24.3 | | 9.3 | | 56.8 | 22.8 | | 9.5 | 9 | 29.5 | 38.6 | | 9.5 | | 33.4 | 58.2 | |
| 9.5 | | 7.1 | 36.3 | | 9.5 | | 58.8 | 40.7 | | 9.4 | 41 | 10.3 | 5.7 | | 9.4 | 10 | 31.0 | 21.0 | | 9.4 | | 38 0 | 54.4 | |
| 9.1 | | 35.0 | 31.2 | K | 8.8 | 13 | 46.1 | 50.1 | | 9.1 | | 27.3 | 32.3 | b | 9.2 | | 35.1 | 10.8 | b | 8.8 | | 38.8 | 37.9 | |
| 9.5 | | 36.2 | 13.0 | | 9.3 | | 56.0 | 58.0 | K | 9.0 | | 39.9 | 48.7 | | 9.4 | | 59.6 | 25.8 | | 8.8 | 32 | 5.7 | 4.7 | K |
| 9.4 | | 43.6 | 5.6 | B | 9.4 | 14 | 2.5 | 3.7 | | 9.3 | | 52.4 | 5.4 | | 9.3 | 11 | 31.3 | 30.7 | | 9.1 | | 28.9 | 53.5 | |
| 9.5 | | 47.6 | 13.5 | | 9.2 | | 3.1 | 31.3 | | 9.3 | | 59.5 | 17.4 | | 9.3 | | 51.1 | 8.9 | | 9.5 | 33 | 1.5 | 40.7 | |
| 9.5 | | 54.4 | 9.6 | | 9.2 | | 31.9 | 1.4 | | 9.5 | 44 | 38.1 | 1.5 | | 9.5 | | 51.1 | 33.1 | | 9.5 | | 7.2 | 35.7 | |
| 8.2 | 51 | 2.1 | 30.8 | K | 5.5 | | 58.6 | 2.1 | Kb | 8.8 | | 43.7 | 41.8 | | 7.2 | 12 | 22.6 | 7.4 | K | 9.1 | | 24.8 | 20.2 | b |
| 9.5 | | 3.4 | 9.8 | | 7.3 | 15 | 21.3 | 36.2 | K | 9.2 | | 45.4 | 32.5 | B | 8.8 | | 25.5 | 42.7 | | 8.1 | | 47.9 | 51.2 | K |
| 9.1 | 52 | 3.9 | 11.8 | | 9.3 | 16 | 38.5 | 24.8 | | 8.8 | 45 | 11.8 | 54.2 | | 9.5 | | 46.2 | 26.8 | | 9.5 | | 55.8 | 44.6 | |
| 6.2 | | 24.5 | 6.1 | K | 9.0 | | 59.5 | 52.1 | | 9.0 | | 59.9 | 22.4 | K | 9.3 | 13 | 34.9 | 54.6 | | 9.3 | 34 | 0.9 | 19.8 | |
| 9.5 | | 44.6 | 13.8 | | 9.2 | 17 | 15.8 | 13.5 | B | 8.8 | 48 | 16.1 | 59.3 | K | 9.0 | | 54.4 | 43.7 | Kb | 7.5 | | 16.5 | 59.0 | K |
| 9.4 | | 57.7 | 50.7 | | 9.2 | | 19.6 | 22.3 | | 9.5 | | 47.7 | 52.2 | | 9.0 | 14 | 0.1 | 56.6 | K | 9.3 | | 22.3 | 6.8 | |
| 9.4 | 53 | 16.6 | 43.7 | | 9.3 | | 23.5 | 50.7 | | 9.0 | 49 | 57.8 | 51.7 | K | 9.5 | | 21.6 | 30.8 | | 9.4 | | 44.1 | 9.3 | |
| 9.2 | | 21.1 | 42.7 | | 8.8 | | 27.1 | 30.8 | | 7.5 | | 58.2 | 56.2 | K | 9.3 | | 39.2 | 2.3 | | 9.5 | 35 | 11.3 | 22.0 | |
| 9.5 | | 28.5 | 59.1 | | 9.3 | 18 | 38.4 | 1.4 | K | 9.5 | 50 | 25.8 | 33.8 | | 8.5 | 16 | 6.5 | 54.1 | K | 9.5 | | 16.0 | 15.0 | |
| 9.3 | 54 | 0.7 | 9.3 | B | 9.2 | 19 | 14.4 | 28.6 | Bb | 8.2 | | 32.4 | 5.4 | Kb | 8.9 | | 33.4 | 37.3 | K | 9.2 | | 18.8 | 50.4 | |
| 9.2 | | 24.1 | 31.2 | | 9.0 | 21 | 26.1 | 18.8 | K | 9.2 | 51 | 15.6 | 55.7 | K | 8.5 | | 57.8 | 13.4 | K | 9.1 | 36 | 3.2 | 35.6 | b |
| 8.3 | | 42.1 | 13.8 | K | 9.5 | | 39.1 | 38.8 | | 9.5 | | 21.5 | 44.7 | | 5.2 | | 59.2 | 6.6 | Kb | 9.5 | | 8.1 | 57.5 | |
| 9.3 | 55 | 7.0 | 39.1 | | 9.3 | 22 | 10.2 | 12.8 | B | 9.2 | | 22.9 | 1.8 | | 9.3 | 17 | 29.0 | 40.7 | K | 9.3 | | 54.0 | 44.2 | |
| 9.2 | | 48.8 | 51.6 | | 8.0 | | 16.3 | 12.3 | K | 8.2 | | 46.6 | 20.9 | K | 7.7 | | 44.8 | 49.2 | K | 9.0 | 37 | 0.2 | 4.0 | |
| 9.0 | 56 | 0.5 | 42.1 | K | 9.5 | 23 | 5.1 | 29.3 | | 9.0 | 52 | 13.1 | 22.5 | K | 8.0 | 19 | 5.8 | 44.7 | K | 9.5 | | 17.5 | 16.8 | |
| 9.3 | | 3.9 | 0.1 | K | 8.5 | | 37.9 | 5.8 | Lb | 8.5 | | 33.5 | 31.8 | | 9.5 | | 6.2 | 50.3 | | 9.4 | 38 | 8.1 | 58.8 | |
| | | + | — | | | | + | — | | | | + | — | | | | + | — | | | | + | — | |
| 10pr. | | 21.21 | 1.85 | | 10pr. | | 20.62 | 1.56 | | 10pr. | | 20.06 | 1.19 | | 10pr. | | 19.62 | 0.78 | | 10pr. | | 19.39 | 0.45 | |

| 3201—3260 | | | | 3261—3320 | | | | 3321—3380 | | | | 3381—3440 | | | | 3441—3500 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17ᵐ | +40° | | | 17ᵐ—18ᵐ | +40° | | | 18ᵐ | +40° | | | 18ᵐ | +40° | | | 18ᵐ | +40° | |
| m | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | | ′ | ″ | ′ | |
| 9.4 | 38 | 13.8 | 31.4 | | 9.2 | 55 | 42.9 | 4.0 | 9.2 | 10 | 18.3 | 17.6 | K | 8.6 | 23 | 56.9 | 7.7 | K | 8.5 | 34 | 1.8 | 19.5 | K |
| 9.1 | | 55.9 | 4.1 | K | 7.9 | 56 | 49.4 | 19.8 | L | 9.5 | | 44.1 | 0.4 | | 9.5 | 24 | 8.0 | 29.0 | | 8.7 | | 12.5 | 21.7 | K |
| 9.5 | | 59.4 | 37.5 | | 7.5 | | 59.1 | 10.6 | S | 9.2 | 11 | 8.6 | 38.4 | K | 9.3 | | 15.4 | 33.2 | | 8.4 | | 13.7 | 33.9 | |
| 9.4 | 39 | 11.4 | 0.5 | | 9.5 | 57 | 10.5 | 38.6 | | 9.3 | | 11.3 | 55.5 | | 9.5 | | 16.7 | 29.0 | | 9.5 | | 41.4 | 54.7 | |
| 7.8 | | 40.6 | 31.5 | K | 9.3 | | 16.0 | 37.5 | | 9.2 | | 26.4 | 35.4 | | 8.8 | | 21.9 | 58.1 | | 9.4 | | 50.4 | 23.3 | |
| 7.9 | 40 | 1.9 | 7.1 | | 9.5 | | 19.6 | 54.9 | | 9.0 | | 29.2 | 52.8 | K | 9.5 | | 27.7 | 27.5 | | 6.2 | | 52.7 | 48.2 | G |
| 9.5 | 41 | 4.9 | 59.9 | | 9.5 | | 34.2 | 25.1 | | 9.4 | | 43.3 | 17.5 | | 9.2 | | 28.2 | 20.6 | K | 9.0 | 35 | 2.7 | 27.0 | |
| 9.5 | | 20.2 | 55.3 | | 9.4 | | 38.6 | 52.5 | | 9.4 | | 54.3 | 43.5 | | 9.3 | | 34.6 | 44.8 | | 8.8 | | 13.3 | 36.4 | |
| 9.5 | | 31.0 | 56.9 | | 9.2 | 58 | 29.5 | 51.8 | | 8.1 | 12 | 9.5 | 58.9 | K | 9.4 | | 42.0 | 16.1 | | 8.4 | | 15.6 | 11.7 | K |
| 9.5 | 42 | 27.5 | 39.7 | | 8.3 | | 52.7 | 30.7 | K | 8.7 | | 19.9 | 51.3 | K | 9.0 | 25 | 0.7 | 45.3 | K | 9.3 | | 18.9 | 19.9 | |
| 8.3 | | 38.9 | 32.4 | K | 9.3 | 59 | 6.1 | 32.7 | | 8.4 | | 25.3 | 12.0 | K | 9.5 | | 32.5 | 56.1 | | 9.5 | | 31.4 | 10.3 | |
| 8.9 | | 39.0 | 4.1 | | 7.7 | | 13.0 | 49.6 | K | 6.0 | | 31.2 | 53.0 | K | 9.0 | | 36.8 | 18.1 | | 9.4 | | 36.3 | 4.2 | |
| 9.1 | 43 | 10.6 | 49.3 | | 9.3 | | 21.1 | 1.0 | | 8.9 | | 33.2 | 16.9 | | 8.8 | | 39.3 | 37.3 | | 8.7 | | 44.5 | 19.8 | K |
| 7.0 | | 15.5 | 1.4 | K | 9.3 | | 49.2 | 27.9 | | 7.2 | 13 | 6.6 | 15.7 | K | 7.0 | | 53.7 | 52.6 | K | 9.2 | 36 | 0.4 | 32.7 | |
| 7.3 | | 28.0 | 37.3 | K | 9.5 | | 50.5 | 20.7 | | 8.2 | | 49.7 | 27.9 | K | 7.5 | 26 | 6.1 | 23.7 | G | 8.6 | | 1.2 | 28.7 | K |
| 8.5 | | 43.5 | 27.9 | K | 6.5 | 0 | 1.0 | 4.8 | K | 8.9 | | 50.5 | 19.9 | K | 8.8 | | 6.2 | 5.4 | | 9.4 | | 3.0 | 58.6 | |
| 9.5 | | 45.8 | 59.9 | | 9.4 | | 18.7 | 0.3 | | 9.3 | | 51.2 | 53.4 | | 9.1 | | 14.6 | 14.9 | | 9.5 | | 37.1 | 53.7 | |
| 9.1 | | 52.7 | 42.2 | | 9.5 | | 19.1 | 51.7 | | 9.0 | 14 | 15.6 | 54.1 | K | 9.4 | | 17.4 | 15.4 | | 8.0 | | 44.4 | 20.1 | K |
| 9.4 | 44 | 43.7 | 30.8 | | 9.0 | | 23.5 | 41.1 | | 9.2 | | 24.8 | 20.4 | | 9.5 | | 18.7 | 57.1 | | 6.8 | | 58.8 | 35.0 | K |
| 8.7 | 45 | 17.1 | 10.2 | K | 9.5 | | 41.7 | 1.5 | | 7.5 | | 26.3 | 51.1 | K | 9.4 | | 25.9 | 8.2 | | 9.5 | 37 | 2.7 | 56.5 | |
| 8.5 | | 26.5 | 25.5 | K | 9.5 | | 45.8 | 32.7 | | 9.3 | | 29.6 | 29.7 | K | 8.7 | | 28.4 | 3.3 | | 8.2 | | 2.8 | 42.6 | K |
| 9.5 | | 47.3 | 49.4 | | 9.3 | | 45.8 | 3.2 | | 9.3 | | 52.5 | 39.0 | | 9.4 | | 36.3 | 21.6 | | 9.5 | | 10.1 | 23.3 | |
| 9.4 | 46 | 0.6 | 23.9 | | 8.9 | 1 | 4.0 | 57.4 | | 9.5 | 15 | 7.0 | 35.1 | | 7.8 | | 51.9 | 15.7 | G | 9.4 | | 13.2 | 48.3 | |
| 9.5 | | 5.9 | 45.9 | | 9.4 | | 11.5 | 53.4 | | 9.4 | | 32.9 | 20.6 | | 9.5 | | 56.1 | 31.5 | | 9.5 | | 24.9 | 32.7 | |
| 6.7 | | 31.5 | 6.1 | K | 9.5 | | 31.2 | 21.3 | | 9.5 | 16 | 9.7 | 3.7 | | 9.4 | 27 | 3.8 | 31.5 | | 9.4 | | 25.0 | 28.8 | |
| 9.0 | | 37.3 | 26.9 | K | 7.0 | | 49.6 | 22.2 | K | 9.4 | | 25.1 | 52.5 | | 8.8 | 28 | 1.8 | 26.2 | K | 9.5 | | 38.7 | 42.2 | |
| 9.5 | | 47.2 | 55.6 | | 9.5 | | 53.9 | 55.0 | | 9.4 | | 40.4 | 28.7 | | 9.5 | | 21.3 | 47.2 | | 9.5 | | 58.6 | 50.3 | |
| 6.2 | 47 | 22.1 | 0.6 | K | 9.4 | 2 | 8.4 | 0.2 | | 9.5 | 17 | 3.5 | 34.8 | | 9.4 | | 27.2 | 33.1 | | 9.5 | 38 | 15.9 | 38.2 | |
| 9.5 | | 38.3 | 48.6 | | 9.5 | | 20.0 | 58.6 | | 9.0 | | 17.4 | 2.1 | | 6.5 | | 27.2 | 25.4 | K | 9.5 | | 16.4 | 39.4 | |
| 8.7 | | 42.7 | 58.3 | K | 8.5 | | 23.1 | 9.5 | K | 7.5 | | 41.1 | 19.2 | G | 9.3 | | 29.4 | 3.3 | | 9.5 | | 24.1 | 25.6 | |
| 9.5 | 48 | 11.7 | 47.3 | | 9.4 | | 43.3 | 30.0 | | 8.4 | | 43.1 | 45.9 | | 6.6 | | 31.4 | 2.9 | Kb | 9.4 | | 25.8 | 49.3 | |
| 9.2 | | 14.2 | 57.2 | | 9.5 | 3 | 6.5 | 0.7 | | 8.5 | 18 | 12.0 | 51.1 | | 9.5 | | 36.7 | 36.3 | | 9.2 | | 37.9 | 29.2 | |
| 5.0 | | 35.9 | 2.5 | Lb | 9.0 | | 10.9 | 32.4 | K | 8.8 | | 12.9 | 38.0 | | 9.4 | | 58.5 | 9.6 | | 8.4 | | 38.7 | 54.7 | K |
| 9.5 | | 46.1 | 52.7 | | 8.8 | | 18.3 | 6.0 | | 9.4 | | 16.1 | 5.5 | | 9.2 | 29 | 2.3 | 4.7 | | 9.5 | | 53.0 | 0.5 | |
| 9.0 | | 50.4 | 54.7 | | 7.1 | | 28.4 | 53.5 | K | 9.5 | | 28.7 | 56.0 | | 9.4 | | 30.8 | 33.2 | | 9.5 | | 53.8 | 10.2 | |
| 9.5 | | 58.3 | 40.3 | | 8.6 | | 40.7 | 22.1 | K | 9.3 | | 36.4 | 21.4 | | 8.9 | | 36.2 | 48.5 | K | 9.5 | 39 | 21.8 | 45.2 | |
| 9.5 | 49 | 8.4 | 36.2 | | 9.5 | | 58.8 | 17.9 | | 9.5 | | 50.4 | 2.2 | | 9.3 | | 42.7 | 58.4 | | 8.8 | | 54.7 | 58.1 | K |
| 9.5 | | 16.6 | 58.0 | K | 9.5 | 4 | 35.3 | 34.5 | | 9.1 | 19 | 9.9 | 21.3 | K | 8.9 | 30 | 11.6 | 43.7 | K | 8.9 | 40 | 18.8 | 9.2 | K |
| 8.4 | | 28.4 | 29.1 | | 9.4 | | 39.9 | 46.6 | | 9.5 | | 20.1 | 5.8 | | 9.0 | | 17.3 | 24.9 | | 9.5 | | 19.4 | 42.3 | |
| 9.5 | | 52.5 | 2.8 | | 9.3 | | 46.4 | 2.6 | | 8.9 | | 26.7 | 49.7 | K | 9.3 | | 17.7 | 57.8 | | 9.5 | | 20.7 | 2.2 | |
| 9.5 | 50 | 1.3 | 28.5 | | 9.2 | | 58.4 | 0.1 | | 8.8 | | 37.7 | 49.2 | K | 9.3 | | 19.9 | 22.4 | | 8.7 | 41 | 23.3 | 6.9 | Kb |
| 9.5 | | 13.4 | 4.9 | | 9.1 | 5 | 1.7 | 42.4 | | 9.5 | | 40 8 | 20.0 | | 8.8 | | 45.1 | 43.0 | K | 9.4 | | 48.5 | 19.5 | |
| 9.0 | | 14.3 | 14.0 | | 8.9 | | 4.8 | 59.9 | | 8.6 | 20 | 8.4 | 11.0 | | 7.3 | | 53.8 | 12.2 | G | 9.1 | | 52.7 | 54.0 | K |
| 8.3 | | 20.6 | 27.0 | K | 9.0 | | 33.0 | 46.6 | | 9.5 | | 9.0 | 35.5 | | 9.5 | | 55.0 | 30.0 | | 9.5 | | 53.0 | 32.0 | |
| 9.2 | 51 | 8.9 | 30.5 | K | 9.2 | | 53.5 | 1.0 | | 9.2 | | 33.9 | 30.4 | | 6.8 | | 56.9 | 38.9 | K | 9.2 | | 58.4 | 56.7 | K |
| 9.5 | | 21.2 | 33.5 | | 8.7 | 6 | 27.7 | 28.8 | | 8.5 | | 35.8 | 24.0 | K | 9.1 | 31 | 20.0 | 54.2 | K | 9.3 | 42 | 51.7 | 1.0 | |
| 9.5 | | 37.1 | 38.0 | | 9.5 | | 50.1 | 9.9 | | 9.3 | | 56.2 | 38.8 | | 9.4 | | 30.7 | 38.6 | | 9.3 | 43 | 11.0 | 42.4 | |
| 9.4 | | 49.4 | 15.8 | | 9.4 | 7 | 0.4 | 18.5 | | 8.8 | 21 | 38.4 | 44.5 | | 8.9 | | 33.1 | 54.9 | K | 9.1 | | 17.4 | 12.0 | K |
| 9.2 | 52 | 27.9 | 29.0 | | 9.4 | | 21.2 | 12.3 | | 9.2 | | 45.4 | 14.1 | | 8.9 | | 51.7 | 21.3 | K | 9.3 | | 42.7 | 14.3 | |
| 9.4 | 53 | 3.5 | 0.7 | | 9.0 | | 50.4 | 9.6 | K | 9.5 | | 50.9 | 24.5 | | 9.5 | | 57.5 | 33.6 | | 9.4 | | 52.3 | 12.3 | |
| 9.5 | | 14.5 | 37.9 | | 9.0 | | 55.6 | 43.1 | | 8.6 | | 56.8 | 49.1 | | 9.5 | 32 | 9.6 | 56.3 | | 9.3 | | 53.7 | 3.3 | |
| 9.5 | | 16.3 | 55.6 | | 9.5 | 8 | 9.9 | 16.2 | | 9.2 | | 59.6 | 17.1 | | 9.2 | | 15.7 | 21.3 | K | 9.5 | 44 | 0.0 | 21.9 | |
| 9.5 | | 25.4 | 31.4 | | 9.1 | | 10.6 | 10.3 | Kb | 9.2 | 22 | 4.9 | 20.0 | | 9.5 | | 27.0 | 52.9 | | 9.4 | | 16.5 | 56.2 | |
| 8.8 | | 26.9 | 6.8 | Kb | 8.4 | | 15.8 | 50.8 | | 9.2 | | 12.2 | 36.5 | | 9.3 | | 46.6 | 43.8 | | 9.4 | | 16.5 | 34.0 | |
| 9.5 | 54 | 26.2 | 4.0 | | 9.1 | | 22.4 | 53.2 | | 9.5 | | 15.8 | 25.7 | | 9.3 | | 54.3 | 47.0 | | 9.1 | | 23.6 | 30.8 | |
| 9.3 | 55 | 13.9 | 21.0 | | 9.4 | | 27.9 | 18.9 | | 9.3 | | 35.3 | 42.8 | | 9.5 | | 57.2 | 27.0 | | 8.3 | | 28.1 | 24.4 | K |
| 9.5 | | 19.3 | 40.4 | | 9.5 | | 33.0 | 57.3 | | 9.0 | | 52.0 | 30.4 | | 9.4 | 33 | 4.7 | 6.7 | | 7.7 | 45 | 7.0 | 34.0 | K |
| 9.0 | | 23.4 | 36.5 | | 9.5 | | 59.7 | 8.1 | | 8.9 | 23 | 9.4 | 7.9 | K | 9.4 | | 9.4 | 3.0 | | 9.0 | | 33.9 | 38.2 | K |
| 8.5 | | 23.6 | 10.6 | K | 9.0 | 9 | 14.1 | 23.6 | K | 9.5 | | 10.1 | 57.4 | | 8.7 | | 43.8 | 27.9 | | 9.1 | | 55.5 | 15.6 | |
| 9.0 | | 38.9 | 0.9 | K | 9.5 | | 47.8 | 59.0 | | 9.3 | | 11.3 | 10.0 | | 9.5 | | 46.5 | 58.3 | | 9.5 | 46 | 7.6 | 52.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | 19.32 | 0.18 | | 10pr. | | 19.30 | 0.04 | | 10pr. | | 19.33 | 0.26 | | 10pr. | | 19.38 | 0.42 | | 10pr. | | 19.46 | 0.56 | |

| 3501—3560 | | | | | 3561—3620 | | | | | 3621—3680 | | | | | 3681—3740 | | | | | 3741—3800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵐ | | +40° | | | 18ᵐ—19ᵐ | | +40° | | | 19ᵐ | | +40° | | | 19ᵐ | | +40° | | | 19ᵐ | | +40° | |
| m | | ′ | ″ | ′ | | | ′ | ″ | ′ | | | ′ | ″ | ′ | | | ′ | ″ | ′ | | | ′ | ″ | ′ | |
| 9.5 | | 46 | 14.1 | 4.3 | | 9.4 | 56 | 20.4 | 18.6 | | 9.5 | 6 | 39.1 | 58.1 | | 9.4 | 16 | 10.3 | 50.9 | | 9.5 | 23 | 42.9 | 9.1 | |
| 9.5 | | | 26.7 | 2.2 | | 9.5 | | 22.5 | 58.5 | | 8.3 | | 40.7 | 26.6 | K | 9.5 | | 19.9 | 40.8 | | 9.5 | | 43.4 | 12.8 | |
| 9.0 | | | 29.4 | 14.9 | | 9.4 | | 27.0 | 47.1 | | 9.3 | 7 | 32.4 | 38.3 | | 9.4 | | 30.4 | 46.9 | B | 9.5 | | 43.5 | 1.3 | |
| 9.0 | | | 34.9 | 41.3 | K | 8.3 | | 37.9 | 23.6 | K | 7.2 | | 33.5 | 59.5 | K | 9.5 | | 45.8 | 4.3 | | 9.4 | | 43.9 | 2.6 | B |
| 8.5 | | | 43.2 | 13.9 | G | 9.4 | | 39.2 | 48.5 | | 9.5 | | 46.9 | 6.9 | | 8.8 | | 55.3 | 49.2 | K | 8.4 | | 49.0 | 54.3 | Kb |
| 9.5 | | | 51.5 | 46.3 | | 9.5 | | 56.5 | 17.4 | | 9.5 | | 48.0 | 13.5 | | 9.2 | | 56.5 | 56.1 | K | 9.4 | | 49.3 | 57.1 | |
| 9.5 | | | 53.7 | 55.7 | | 8.9 | 57 | 1.4 | 52.0 | | 8.3 | | 55.2 | 23.1 | | 9.4 | 17 | 5.9 | 24.0 | | 9.5 | 24 | 5.0 | 8.1 | |
| 9.4 | 47 | | 2.9 | 40.6 | | 8.5 | | 22.1 | 31.3 | K | 8.9 | 8 | 5.4 | 39.7 | | 9.1 | | 27.0 | 33.6 | | 9.4 | | 7.4 | 11.4 | |
| 9.4 | | | 8.7 | 56.2 | | 9.5 | | 33.8 | 54.5 | | 8.9 | | 9.4 | 26.6 | | 8.5 | | 34.5 | 43.0 | | 9.5 | | 13.1 | 56.3 | |
| 9.5 | | | 42.8 | 4.6 | | 9.5 | | 37.2 | 51.9 | | 9.3 | | 15.3 | 43.4 | | 8.7 | | 46.8 | 50.4 | K | 9.5 | | 20.6 | 9.2 | |
| 9.3 | 48 | | 6.3 | 9.3 | | 8.8 | 58 | 28.1 | 10.4 | | 8.8 | | 34.6 | 28.9 | | 9.5 | 18 | 1.4 | 41.5 | | 9.3 | | 28.3 | 1.6 | |
| 6.8 | | | 36.4 | 49.1 | G | 9.5 | | 40.8 | 18.6 | | 8.8 | 9 | 0.5 | 18.5 | | 9.2 | | 5.2 | 6.7 | | 9.3 | | 29.2 | 46.2 | |
| 9.3 | | | 38.6 | 33.0 | | 9.3 | | 52.7 | 29.2 | a | 9.5 | | 5.9 | 49.0 | B | 9.4 | | 10.1 | 12.6 | | 9.5 | | 34.0 | 32.8 | |
| 9.2 | | | 38.6 | 12.1 | K | 9.5 | | 56.4 | 11.8 | | 9.3 | | 9.2 | 11.1 | | 9.5 | | 12.1 | 26.7 | | 9.4 | | 55.5 | 46.4 | |
| 9.1 | | | 48.7 | 56.5 | K | 9.4 | 59 | 2.9 | 26.4 | aB | 8.0 | | 16.0 | 19.0 | | 9.4 | | 15.2 | 1.2 | B | 9.1 | | 57.2 | 59.0 | |
| 9.3 | | | 53.4 | 17.3 | | 9.1 | | 3.0 | 42.0 | | 9.4 | | 29.9 | 47.4 | | 8.8 | | 26.9 | 26.2 | | 9.5 | | 57.4 | 21.7 | |
| 9.4 | | | 58.8 | 51.6 | | 9.5 | | 16.6 | 2.0 | | 8.5 | | 41.0 | 11.9 | K | 9.5 | | 28.5 | 44.0 | | 9.5 | 25 | 2.1 | 19.0 | |
| 9.3 | 49 | | 2.0 | 4.7 | | 9.1 | | 16.9 | 16.4 | aB | 9.5 | 10 | 0.4 | 53.9 | | 9.5 | | 34.2 | 2.9 | | 9.5 | | 40.3 | 17.5 | |
| 7.8 | | | 9.1 | 8.4 | Kb | 7.7 | | 24.0 | 20.5 | B | 8.9 | | 27.4 | 28.0 | K | 9.3 | | 51.4 | 21.5 | | 9.5 | | 46.7 | 45.5 | |
| 9.5 | 50 | | 8.0 | 18.3 | | 8.8 | | 24.7 | 17.7 | B | 8.7 | | 30.3 | 25.3 | K | 8.0 | | 55.0 | 30.4 | B | 8.0 | 26 | 0.5 | 12.4 | B |
| 9.5 | | | 11.9 | 35.1 | | 8.0 | | 31.9 | 47.2 | B | 9.0 | | 42.8 | 17.1 | B | 9.5 | | 56.2 | 3.9 | | 9.5 | | 11.9 | 50.3 | |
| 9.5 | | | 23.9 | 39.8 | | 9.2 | | 39.4 | 10.4 | | 9.4 | | 51.1 | 18.4 | | 9.2 | | 57.0 | 44.0 | B | 9.4 | | 17.1 | 19.2 | |
| 9.5 | | | 24.2 | 59.4 | | 9.5 | | 50.3 | 30.5 | | 8.9 | | 51.9 | 55.5 | K | 9.5 | | 58.5 | 47.8 | | 9.5 | | 23.0 | 25.3 | |
| 9.4 | | | 38.9 | 41.1 | | 9.5 | | 57.5 | 13.6 | | 8.5 | | 52.5 | 47.1 | K | 9.4 | 19 | 27.3 | 21.5 | | 9.2 | | 24.0 | 56.9 | K |
| 9.2 | | | 48.7 | 30.3 | b | 9.5 | 0 | 2.3 | 59.0 | | 7.0 | | 54.9 | 6.6 | K | 9.5 | | 29.4 | 7.8 | | 9.2 | | 25.0 | 44.5 | K |
| 8.5 | 51 | | 0.7 | 0.7 | K | 9.1 | | 4.9 | 34.2 | | 9.1 | 11 | 11.7 | 9.2 | B | 8.2 | | 38.1 | 2.5 | K | 9.5 | | 25.6 | 22.0 | |
| 9.3 | | | 24.9 | 20.4 | | 9.5 | | 20.5 | 52.4 | | 9.2 | | 28.9 | 2.9 | | 9.5 | | 42.5 | 57.1 | | 9.4 | | 30.7 | 5.2 | |
| 9.5 | | | 45.2 | 8.0 | | 9.0 | | 23.0 | 9.1 | Kb | 9.5 | | 29.2 | 37.2 | | 9.4 | 20 | 3.0 | 20.8 | | 9.2 | | 35.4 | 35.3 | K |
| 9.4 | 52 | | 8.4 | 26.3 | | 9.3 | | 28.0 | 49.8 | | 9.2 | | 29.5 | 11.4 | a | 9.1 | | 3.7 | 18.6 | | 9.3 | | 46.2 | 22.5 | B |
| 9.5 | | | 9.8 | 49.9 | B | 9.5 | 1 | 9.7 | 59.5 | | 9.5 | | 30.2 | 29.0 | | 9.2 | | 22.1 | 47.1 | | 9.2 | 27 | 7.5 | 16.6 | |
| 9.5 | | | 11.3 | 55.5 | | 9.1 | | 21.0 | 26.7 | K | 8.7 | | 35.1 | 3.2 | K | 9.4 | | 23.1 | 6.1 | | 9.5 | | 11.3 | 0.4 | |
| 9.5 | | | 13.5 | 46.4 | | 9.5 | | 34.2 | 2.7 | | 9.5 | | 45.8 | 2.2 | B | 9.2 | | 27.6 | 59.3 | | 9.3 | | 13.4 | 28.7 | |
| 9.2 | | | 17.0 | 36.7 | K | 9.0 | | 46.0 | 31.1 | K | 9.3 | | 59.4 | 26.9 | | 9.0 | | 30.7 | 34.0 | B | 8.5 | | 15.9 | 7.0 | |
| 9.3 | | | 22.4 | 8.3 | | 9.4 | 2 | 16.8 | 58.3 | | 9.5 | 12 | 9.2 | 17.5 | | 9.0 | | 46.4 | 18.7 | K | 9.5 | | 17.7 | 58.6 | |
| 9.1 | | | 23.9 | 40.4 | K | 9.3 | | 23.5 | 27.9 | | 9.5 | | 34.1 | 11.8 | | 9.3 | | 48.1 | 34.6 | | 9.4 | | 26.3 | 39.2 | |
| 9.5 | | | 39.3 | 7.1 | | 6.8 | | 35.0 | 49.6 | K | 9.0 | | 34.5 | 49.6 | | 9.0 | | 48.1 | 40.6 | | 8.4 | | 33.0 | 49.2 | B |
| 9.5 | | | 39.4 | 31.3 | | 8.6 | | 35.4 | 28.1 | K | 9.5 | | 46.1 | 15.0 | | 7.6 | 21 | 5.0 | 54.5 | B | 9.5 | | 53.4 | 23.8 | |
| 9.3 | | | 41.2 | 55.3 | | 9.5 | | 58.5 | 39.7 | | 8.7 | | 51.3 | 0.2 | K | 9.3 | | 11.7 | 30.2 | | 9.1 | | 53.5 | 51.2 | K |
| 9.5 | 53 | | 17.7 | 10.3 | | 9.5 | 3 | 0.4 | 4.6 | | 9.5 | 13 | 15.0 | 7.0 | | 8.8 | | 11.9 | 24.5 | K | 9.5 | 28 | 6.3 | 46.5 | |
| 9.4 | | | 29.5 | 59.0 | | 8.6 | | 11.0 | 36.5 | K | 9.5 | | 30.1 | 51.1 | | 9.5 | | 13.1 | 0.6 | | 9.2 | | 17.6 | 44.5 | K |
| 8.8 | | | 30.9 | 35.0 | K | 9.3 | | 33.6 | 47.7 | B | 9.5 | | 32.8 | 17.5 | | 9.0 | | 14.5 | 58.0 | | 9.5 | | 31.4 | 51.9 | |
| 9.3 | | | 50.6 | 0.1 | | 8.8 | | 43.0 | 35.5 | K | 9.5 | | 40.6 | 26.6 | | 8.6 | | 16.3 | 42.6 | B | 8.9 | | 36.3 | 9.6 | |
| 8.7 | 54 | | 2.4 | 33.1 | K | 9.5 | | 59.5 | 1.2 | | 9.5 | | 43.0 | 29.1 | | 8.7 | | 16.3 | 12.6 | K | 9.5 | | 51.8 | 19.2 | |
| 6.5 | | | 2.7 | 29.0 | K | 9.4 | 4 | 10.2 | 40.2 | | 9.1 | 14 | 0.2 | 43.9 | | 8.0 | | 20.0 | 19.8 | K | 9.2 | 29 | 11.4 | 20.4 | |
| 9.5 | | | 14.1 | 49.9 | | 9.5 | | 21.6 | 44.2 | | 6.6 | | 7.3 | 5.7 | K | 9.3 | | 21.1 | 47.2 | | 8.9 | | 13.3 | 23.9 | K |
| 9.4 | | | 19.9 | 50.6 | | 9.5 | | 27.1 | 6.7 | | 8.7 | | 9.8 | 17.9 | K | 9.3 | | 28.7 | 41.4 | | 8.8 | | 16.1 | 56.2 | K |
| 8.9 | | | 30.8 | 0.7 | | 9.3 | | 35.4 | 51.4 | | 9.4 | | 11.1 | 28.4 | B | 9.0 | | 43.5 | 37.3 | | 8.7 | | 26.5 | 35.3 | |
| 9.5 | | | 32.4 | 46.4 | | 9.3 | | 36.8 | 55.1 | | 8.9 | | 29.0 | 19.6 | K | 8.8 | | 51.0 | 1.8 | | 8.8 | 30 | 2.0 | 40.5 | |
| 9.1 | | | 36.3 | 3.9 | a | 9.5 | | 58.0 | 54.9 | | 8.0 | | 41.8 | 56.9 | K | 9.5 | | 54.8 | 0.7 | | 9.5 | | 5.3 | 33.3 | |
| 9.5 | | | 38.0 | 37.1 | | 9.5 | 5 | 7.8 | 6.7 | | 7.1 | | 45.4 | 0.0 | G | 9.2 | 22 | 16.9 | 48.7 | a | 9.3 | | 10.4 | 15.7 | |
| 9.5 | 55 | | 3.9 | 21.3 | | 9.1 | | 8.3 | 39.7 | Kb | 7.7 | | 47.1 | 18.5 | K | 8.5 | | 18.1 | 45.2 | | 9.0 | | 15.0 | 49.5 | |
| 9.5 | | | 15.2 | 48.7 | | 9.5 | | 24.0 | 53.3 | | 9.4 | | 55.0 | 2.9 | | 9.2 | | 18.6 | 9.4 | | 9.5 | | 27.8 | 52.7 | |
| 9.1 | | | 27.0 | 24.6 | B | 8.7 | | 24.3 | 24.9 | K | 9.4 | 15 | 1.3 | 31.0 | | 9.2 | | 28.0 | 19.3 | K | 8.0 | | 37.1 | 21.6 | K |
| 8.7 | | | 30.4 | 0.1 | | 9.0 | | 30.1 | 22.7 | K | 9.4 | | 6.6 | 53.6 | | 8.9 | | 48.0 | 35.3 | K | 9.1 | | 39.6 | 6.9 | |
| 6.9 | | | 34.0 | 29.0 | L | 9.0 | | 34.0 | 28.1 | K | 9.5 | | 12.6 | 1.7 | | 9.4 | 23 | 12.9 | 43.8 | | 9.0 | | 42.5 | 7.7 | |
| 9.1 | | | 34.2 | 17.8 | B | 9.3 | | 35.8 | 14.3 | | 9.5 | | 25.2 | 0.7 | | 9.5 | | 17.3 | 32.5 | | 9.3 | 31 | 0.2 | 59.3 | |
| 9.2 | | | 36.9 | 20.2 | | 9.5 | | 49.4 | 36.3 | | 8.8 | | 42.7 | 31.6 | | 8.8 | | 26.1 | 4.8 | | 8.9 | | 13.1 | 38.8 | K |
| 8.9 | | | 38.0 | 8.4 | | 9.4 | 6 | 8.7 | 52.1 | | 8.6 | | 44.8 | 48.7 | L | 9.2 | | 28.0 | 43.4 | K | 9.2 | | 15.4 | 21.8 | |
| 9.5 | | | 56.1 | 53.6 | | 9.5 | | 29.0 | 59.7 | | 8.2 | | 49.5 | 39.3 | K | 9.4 | | 30.6 | 41.4 | | 9.2 | | 17.6 | 48.7 | |
| 9.5 | 56 | | 0.6 | 57.1 | | 6.3 | | 35.0 | 11.6 | G | 9.5 | 16 | 6.8 | 16.3 | | 9.4 | | 33.2 | 48.6 | | 8.0 | | 41.2 | 41.1 | K |
| | | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10pr. | | | 19.60 | 0.76 | | 10pr. | | | 19.71 | 0.89 | 10pr. | | | 19.85 | 1.03 | 10pr. | | | 20.00 | 1.15 | 10pr. | | | 20.12 | 1.24 |

| 3801—3860 | | | | 3861—3920 | | | | 3921—3980 | | | | 3981—4040 | | | | 4041—4100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ˢ | +40° | | | 19ˢ | +40° | | | 19ˢ | +40° | | | 19ˢ—20ˢ | +40° | | | 20ˢ | +40° | |
| m | | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.2 | 31 45.0 | 38.8 | K | 9.5 | 38 46.8 | 13.1 | | 8.4 | 47 48.2 | 50.8 | B | 8.9 | 56 33.8 | 28.3 | | 8.8 | 4 58.4 | 44.0 | K |
| 8.7 | 47.7 | 36.1 | K | 9.3 | 39 2.4 | 23.7 | | 8.4 | 48.5 | 22.2 | K | 7.0 | 49.6 | 26.8 | G | 9.5 | 5 10.5 | 21.3 | |
| 9.5 | 32 4.6 | 3.8 | | 9.1 | 13.9 | 3.4 | | 9.3 | 51.2 | 13.9 | B | 9.2 | 50.2 | 26.1 | | 8.0 | 22.0 | 3.0 | G |
| 9.5 | 13.5 | 48.4 | | 9.4 | 16.6 | 24.2 | | 9.5 | 51.3 | 50.7 | | 9.0 | 53.0 | 52.5 | | 9.0 | 26.7 | 44.0 | K |
| 9.5 | 19.9 | 47.2 | | 8.7 | 21.0 | 16.8 | | 9.5 | 56.1 | 0.6 | | 9.2 | 57 23.2 | 2.1 | | 9.0 | 31.8 | 46.9 | K |
| 9.3 | 22.4 | 41.0 | | 6.3 | 55.0 | 21.7 | G | 7.8 | 56.2 | 42.3 | Kb | 9.5 | 26.1 | 25.1 | | 6.9 | 41.8 | 49.1 | K |
| 9.0 | 27.8 | 32.8 | K | 8.7 | 58.4 | 45.1 | B | 9.3 | 58 8.0 | 49.1 | B | 8.8 | 29.7 | 56.5 | K | 9.0 | 43.2 | 42.7 | |
| 8.2 | 33.3 | 16.3 | K | 9.3 | 59.5 | 45.9 | | 9.5 | 8.0 | 8.7 | | 9.3 | 32.5 | 41.6 | | 8.8 | 50.0 | 16.3 | |
| 9.5 | 40.2 | 2.6 | | 9.5 | 40 2.1 | 6.2 | | 9.5 | 27.3 | 0.5 | | 9.4 | 38.9 | 52.3 | | 9.4 | 50.8 | 24.0 | |
| 9.5 | 40.5 | 14.6 | | 7.7 | 52.0 | 12.7 | K | 9.3 | 37.4 | 36.6 | | 8.1 | 47.8 | 52.2 | K | 7.8 | 56.3 | 55.6 | K |
| 9.4 | 48.6 | 16.1 | B | 9.8 | 41 6.4 | 11.0 | | 6.8 | 43.0 | 59.3 | K | 9.2 | 52.3 | 33.0 | | 8.0 | 58.7 | 30.9 | B |
| 8.2 | 52.1 | 11.3 | K | 9.2 | 18.2 | 19.0 | | 9.4 | 53.0 | 55.7 | | 8.0 | 58 8.3 | 52.0 | K | 9.2 | 6 3.8 | 47.5 | |
| 9.5 | 33 1.4 | 29.8 | | 9.2 | 20.7 | 38.7 | B | 7.9 | 56.0 | 51.4 | K | 9.5 | 14.4 | 35.2 | | 8.1 | 15.0 | 43.6 | B |
| 9.5 | 3.2 | 22.9 | | 9.5 | 23.2 | 48.2 | | 9.3 | 49 4.2 | 31.6 | | 9.0 | 24.0 | 19.9 | | 9.3 | 23.0 | 14.9 | |
| 9.1 | 9.8 | 9.5 | K | 9.0 | 23.2 | 58.8 | K | 9.5 | 9.0 | 56.0 | | 9.5 | 25.1 | 54.0 | | 9.5 | 37.4 | 43.9 | |
| 9.5 | 10.0 | 56.0 | | 9.5 | 29.0 | 59.3 | | 9.4 | 38.1 | 31.3 | | 9.5 | 27.8 | 47.3 | | 7.9 | 38.4 | 57.5 | K |
| 9.5 | 28.3 | 33.5 | | 9.4 | 48.6 | 56.3 | | 9.1 | 50.6 | 30.3 | B | 9.5 | 45.5 | 17.8 | | 8.7 | 39.8 | 25.0 | |
| 9.5 | 38.5 | 44.2 | | 9.4 | 57.4 | 4.9 | | 9.4 | 51.9 | 14.1 | | 7.7 | 57.3 | 14.2 | K | 9.5 | 56.6 | 20.8 | |
| 9.5 | 38.6 | 43.7 | | 9.3 | 57.5 | 37.0 | | 9.5 | 57.3 | 56.6 | | 9.4 | 59 0.4 | 3.9 | | 8.6 | 7 5.3 | 55.3 | K |
| 9.1 | 53.1 | 8.3 | B | 7.9 | 42 25.1 | 38.3 | K | 9.5 | 50 5.8 | 38.3 | | 9.5 | 2.5 | 50.4 | | 7.5 | 51.6 | 17.1 | K |
| 9.5 | 34 2.2 | 10.8 | | 9.4 | 36.2 | 19.5 | | 8.7 | 12.2 | 26.4 | B | 9.5 | 16.6 | 1.5 | | 9.3 | 56.0 | 35.4 | |
| 9.3 | 6.7 | 1.5 | | 9.5 | 43.0 | 33.6 | | 8.5 | 12.7 | 54.6 | K | 9.2 | 21.2 | 42.0 | | 9.5 | 8 4.5 | 52.0 | |
| 9.5 | 12.4 | 32.3 | | 9.5 | 47.4 | 38.3 | | 9.4 | 16.4 | 10.4 | | 9.2 | 46.8 | 36.8 | | 9.5 | 5.1 | 11.3 | |
| 7.5 | 13.3 | 17.5 | K | 9.5 | 49.5 | 33.9 | | 9.3 | 19.0 | 4.7 | | 9.5 | 47.0 | 52.1 | | 9.5 | 6.7 | 29.0 | |
| 9.5 | 26.5 | 34.1 | | 9.3 | 43 2.7 | 14.4 | | 8.6 | 20.2 | 7.1 | | 9.2 | 57.4 | 57.6 | | 9.4 | 7.0 | 22.8 | |
| 9.5 | 30.8 | 24.0 | | 9.5 | 7.1 | 6.3 | | 9.5 | 23.2 | 33.6 | | 9.0 | 58.8 | 5.7 | | 9.5 | 18.5 | 39.2 | |
| 9.5 | 31.3 | 13.7 | | 9.4 | 22.1 | 3.5 | | 8.7 | 34.2 | 26.3 | B | 9.4 | 0 0.2 | 13.7 | | 8.8 | 37.4 | 47.4 | |
| 9.5 | 45.9 | 12.5 | | 9.1 | 29.7 | 55.7 | | 7.5 | 42.3 | 0.8 | K | 9.0 | 6.8 | 19.8 | | 9.0 | 38.8 | 24.4 | |
| 9.5 | 35 6.5 | 31.6 | | 9.1 | 30.0 | 52.0 | b | 9.1 | 49.1 | 0.8 | a | 9.2 | 8.0 | 55.1 | | 9.5 | 53.2 | 11.7 | |
| 8.8 | 10.0 | 32.0 | B | 9.4 | 49.5 | 48.3 | | 9.3 | 59.5 | 54.5 | K | 7.2 | 8.8 | 23.7 | K | 9.5 | 57.1 | 40.2 | |
| 9.4 | 12.3 | 37.0 | | 9.5 | 54.9 | 22.1 | | 9.4 | 51 37.0 | 25.6 | | 9.5 | 16.2 | 11.3 | | 7.9 | 9 11.9 | 16.2 | K |
| 9.2 | 15.4 | 39.8 | | 9.5 | 56.2 | 2.9 | | 9.4 | 38.4 | 18.2 | | 9.4 | 18.8 | 12.8 | | 9.0 | 14.8 | 49.1 | |
| 9.5 | 19.8 | 57.6 | | 9.4 | 44 18.0 | 58.4 | | 9.4 | 40.7 | 42.5 | | 9.5 | 20.3 | 16.7 | | 8.8 | 28.8 | 47.9 | |
| 9.5 | 22.0 | 47.7 | | 9.5 | 33.7 | 7.1 | | 9.4 | 52 23.9 | 15.6 | a | 9.4 | 25.6 | 7.4 | | 9.5 | 38.0 | 20.6 | |
| 9.5 | 30.2 | 26.9 | | 9.3 | 34.8 | 14.6 | | 8.3 | 32.3 | 4.0 | B | 7.4 | 38.7 | 51.6 | K | 9.4 | 39.9 | 8.0 | |
| 9.2 | 31.6 | 1.3 | | 9.4 | 35.9 | 52.5 | B | 8.5 | 31.8 | 10.7 | | 9.4 | 48.8 | 27.9 | | 9.5 | 50.6 | 57.2 | |
| 9.2 | 35.1 | 57.4 | B | 9.5 | 41.5 | 32.0 | B | 9.2 | 41.4 | 29.7 | | 9.4 | 55.3 | 20.5 | | 7.7 | 10 4.5 | 51.5 | G |
| 9.4 | 43.0 | 56.2 | | 9.3 | 45 7.0 | 8.7 | | 7.5 | 53 2.9 | 32.1 | L | 9.5 | 59.4 | 47.4 | | 9.3 | 9.8 | 48.3 | |
| 9.4 | 43.0 | 56.7 | | 9.3 | 16.3 | 14.8 | | 9.0 | 3.0 | 55.0 | | 9.5 | 1 4.0 | 10.4 | | 7.2 | 13.9 | 30.8 | K |
| 9.5 | 46.2 | 41.9 | | 8.7 | 17.7 | 1.2 | | 8.4 | 4.9 | 12.3 | | 9.5 | 5.8 | 39.5 | | 8.4 | 19.6 | 3.4 | |
| 8.3 | 49.7 | 44.1 | K | 9.4 | 35.4 | 32.8 | | 9.5 | 18.1 | 20.0 | | 9.5 | 7.8 | 39.7 | | 8.9 | 36.0 | 52.0 | |
| 9.5 | 58.8 | 46.3 | | 5.5 | 39.0 | 14.0 | K | 9.3 | 30.8 | 4.7 | | 9.5 | 12.5 | 57.0 | | 9.1 | 48.0 | 25.1 | |
| 9.5 | 36 16.4 | 28.2 | | 9.4 | 43.2 | 16.2 | B | 9.5 | 52.0 | 11.9 | | 9.2 | 29.8 | 46.6 | K | 9.3 | 50.2 | 10.8 | |
| 9.0 | 25.1 | 3.3 | | 9.3 | 45.4 | 27.1 | | 9.4 | 54 9.0 | 5.8 | | 9.4 | 51.6 | 14.9 | | 9.2 | 52.8 | 33.4 | K |
| 9.5 | 26.0 | 37.8 | | 9.5 | 46 4.4 | 53.1 | | 9.4 | 18.6 | 55.7 | | 9.4 | 2 5.0 | 15.4 | | 9.5 | 53.2 | 36.9 | |
| 8.3 | 43.9 | 18.5 | G | 9.5 | 6.5 | 48.5 | | 9.5 | 21.8 | 40.5 | | 9.2 | 5.9 | 46.8 | | 7.8 | 11 8.5 | 30.8 | K |
| 9.2 | 53.7 | 40.7 | | 9.2 | 16.8 | 13.6 | | 8.9 | 29.3 | 48.2 | | 9.3 | 27.8 | 38.2 | | 8.6 | 29.2 | 26.1 | K |
| 8.7 | 37 11.8 | 50.6 | | 8.2 | 25.9 | 21.9 | B | 9.4 | 38.2 | 48.4 | | 9.5 | 41.5 | 45.1 | | 8.7 | 37.6 | 47.3 | |
| 8.8 | 14.9 | 36.5 | | 8.7 | 43.6 | 40.7 | | 9.5 | 45.4 | 24.0 | | 9.5 | 58.3 | 24.2 | | 8.6 | 44.8 | 52.3 | |
| 9.3 | 17.2 | 27.4 | | 9.2 | 49.0 | 9.8 | | 9.4 | 45.8 | 37.1 | | 9.5 | 3 13.1 | 16.8 | | 8.8 | 53.4 | 23.6 | K |
| 9.5 | 25.1 | 31.1 | | 9.5 | 53.2 | 47.2 | | 9.2 | 55 1.6 | 52.7 | R | 9.2 | 20.1 | 58.5 | | 9.1 | 54.3 | 59.9 | |
| 9.0 | 28.9 | 28.6 | | 7.7 | 56.0 | 59.0 | K | 9.3 | 13.8 | 20.3 | | 9.5 | 20.2 | 49.2 | | 9.0 | 12 3.0 | 56.3 | |
| 9.5 | 47.5 | 50.8 | | 8.5 | 56.5 | 44.0 | | 9.4 | 28.0 | 50.2 | | 9.5 | 29.3 | 35.3 | | 7.0 | 5.1 | 8.9 | K |
| 9.5 | 53.8 | 28.4 | | 8.8 | 47 4.4 | 26.1 | B | 9.5 | 41.8 | 54.2 | | 8.9 | 31.4 | 8.9 | | 9.1 | 8.8 | 17.5 | |
| 8.9 | 56.7 | 1.0 | | 8.2 | 13.3 | 41.5 | B | 9.4 | 50.3 | 14.2 | | 9.5 | 57.0 | 18.6 | | 9.3 | 10.0 | 53.8 | |
| 6.7 | 38 1.0 | 22.7 | K | 8.7 | 19.6 | 19.0 | K | 9.4 | 56.9 | 31.5 | | 8.3 | 4 18.8 | 41.0 | K | 9.5 | 18.9 | 5.9 | |
| 9.5 | 28.7 | 41.9 | | 9.3 | 26.3 | 9.6 | | 8.0 | 56 8.8 | 41.6 | G | 8.3 | 33.8 | 0.0 | G | 9.4 | 24.8 | 4.7 | K |
| 9.5 | 29.5 | 47.7 | | 9.3 | 27.8 | 13.1 | | 8.9 | 9.0 | 47.8 | | 9.5 | 39.9 | 14.7 | | 8.5 | 36.0 | 3.2 | K |
| 8.8 | 33.0 | 53.6 | | 9.4 | 32.9 | 34.8 | | 9.0 | 17.2 | 5.8 | | 9.2 | 40.3 | 55.9 | | 9.5 | 51.9 | 40.2 | |
| 9.4 | 44.3 | 9.9 | | 9.5 | 46.1 | 1.1 | | 8.8 | 33.0 | 30.0 | | 9.5 | 52.3 | 55.9 | | 9.5 | 54.5 | 34.5 | |
| 10pr. | + 20.27 | + 1.35 | | 10pr. | + 20.45 | + 1.46 | | 10pr. | + 20.62 | + 1.56 | | 10pr. | + 20.84 | + 1.67 | | 10pr. | + 21.06 | + 1.79 | |

| 3501—3560 | | | | | 3561—3620 | | | | | 3621—3680 | | | | | 3681—3740 | | | | | 3741—3800 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18ᵐ | | +40° | | | 18ᵐ—19ᵐ | | +40° | | | 19ᵐ | | +40° | | | 19ᵐ | | +40° | | | 19ᵐ | | +40° | |
| m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | | m | | ′ ″ | ′ | |
| 9.5 | | 46′ 14.1 | 4.3 | | 9.4 | | 56′ 20.4 | 18.6 | | 9.5 | | 6′ 39.1 | 58.1 | | 9.4 | | 16′ 10.3 | 50.9 | | 9.5 | | 23′ 42.9 | 9.1 | |
| 9.5 | | 26.7 | 2.2 | | 9.5 | | 22.5 | 58.5 | | 8.3 | | 40.7 | 26.6 | K | 9.5 | | 19.9 | 40.8 | | 9.5 | | 43.4 | 12.8 | |
| 9.0 | | 29.4 | 14.9 | | 9.4 | | 27.0 | 47.1 | | 9.3 | 7 | 32.4 | 38.3 | | 9.4 | | 30.4 | 46.9 | B | 9.5 | | 43.5 | 1.3 | |
| 9.0 | | 34.9 | 41.3 | K | 8.3 | | 37.9 | 23.6 | K | 7.2 | | 33.5 | 59.5 | K | 9.5 | | 45.8 | 4.3 | | 9.4 | | 43.9 | 2.6 | B |
| 8.5 | | 43.2 | 13.9 | G | 9.4 | | 39.2 | 48.5 | | 9.5 | | 46.9 | 6.9 | | 8.8 | | 55.3 | 49.2 | K | 8.4 | | 49.0 | 54.3 | Kb |
| 9.5 | | 51.5 | 46.3 | | 9.5 | | 56.5 | 17.4 | | 9.5 | | 48.0 | 13.5 | | 9.2 | | 56.5 | 56.1 | K | 9.4 | | 49.3 | 57.1 | |
| 9.5 | | 53.7 | 55.7 | | 8.9 | 57 | 1.4 | 52.0 | | 8.3 | | 55.2 | 23.1 | | 9.4 | 17 | 5.9 | 24.0 | | 9.5 | 24 | 5.0 | 8.1 | |
| 9.4 | 47 | 2.9 | 40.6 | | 8.5 | | 22.1 | 31.3 | K | 8.9 | 8 | 5.4 | 39.7 | | 9.1 | | 27.0 | 33.6 | | 9.4 | | 7.4 | 11.4 | |
| 9.4 | | 8.7 | 56.2 | | 9.5 | | 33.8 | 54.5 | | 8.9 | | 9.4 | 26.6 | | 8.5 | | 34.5 | 43.0 | | 9.5 | | 13.1 | 56.3 | |
| 9.5 | | 42.8 | 4.6 | | 9.5 | | 37.2 | 51.9 | | 9.3 | | 15.3 | 43.4 | | 8.7 | | 46.8 | 50.4 | K | 9.5 | | 20.6 | 9.2 | |
| 9.3 | 48 | 6.3 | 9.3 | | 8.8 | 58 | 28.1 | 10.4 | | 8.8 | | 34.6 | 28.9 | | 9.5 | 18 | 1.4 | 41.5 | | 9.3 | | 28.3 | 1.6 | |
| 6.8 | | 36.4 | 49.1 | G | 9.5 | | 40.8 | 18.6 | | 8.8 | 9 | 0.5 | 18.5 | | 9.2 | | 5.2 | 6.7 | | 9.3 | | 29.2 | 46.2 | |
| 9.3 | | 38.6 | 33.0 | | 9.3 | | 52.7 | 29.2 | *a* | 9.5 | | 5.9 | 49.0 | B | 9.4 | | 10.1 | 12.6 | | 9.5 | | 34.0 | 32.8 | |
| 9.2 | | 38.6 | 12.1 | K | 9.5 | | 56.4 | 11.8 | | 9.3 | | 9.2 | 11.1 | | 9.5 | | 12.1 | 26.7 | | 9.4 | | 55.5 | 46.4 | |
| 9.1 | | 48.7 | 56.5 | K | 9.4 | 59 | 2.9 | 26.4 | *aB* | 8.0 | | 16.0 | 19.0 | | 9.4 | | 15.2 | 1.2 | B | 9.1 | | 57.2 | 59.0 | |
| 9.3 | | 53.4 | 17.3 | | 9.1 | | 3.0 | 42.0 | | 9.4 | | 29.9 | 47.4 | | 8.8 | | 26.9 | 26.2 | | 9.5 | | 57.4 | 21.7 | |
| 9.4 | | 58.8 | 51.6 | | 9.5 | | 16.6 | 2.0 | | 8.5 | | 41.0 | 11.9 | K | 9.5 | | 28.5 | 44.0 | | 9.5 | 25 | 2.1 | 19.0 | |
| 9.3 | 49 | 2.0 | 4.7 | | 9.1 | | 16.9 | 16.4 | *aB* | 9.5 | 10 | 0.4 | 53.9 | | 9.5 | | 34.2 | 2.9 | | 9.5 | | 40.3 | 17.5 | |
| 7.8 | | 9.1 | 8.4 | Kb | 7.7 | | 24.0 | 20.5 | B | 8.9 | | 27.4 | 28.0 | K | 9.3 | | 51.4 | 21.5 | | 9.5 | | 46.7 | 45.5 | |
| 9.5 | 50 | 8.0 | 18.3 | | 8.8 | | 24.7 | 17.7 | B | 8.7 | | 30.3 | 25.3 | K | 8.0 | | 55.0 | 30.4 | B | 8.0 | 26 | 0.5 | 12.4 | B |
| 9.5 | | 11.9 | 35.1 | | 8.0 | | 31.9 | 47.2 | *B* | 9.0 | | 42.8 | 17.1 | B | 9.5 | | 56.2 | 3.9 | | 9.5 | | 11.9 | 50.3 | |
| 9.5 | | 23.9 | 39.8 | | 9.2 | | 39.4 | 10.4 | | 9.4 | | 51.1 | 18.4 | | 9.2 | | 57.0 | 44.0 | B | 9.4 | | 17.1 | 19.2 | |
| 9.5 | | 24.2 | 59.4 | | 9.5 | | 50.3 | 30.5 | | 8.9 | | 51.9 | 55.5 | K | 9.5 | | 58.5 | 47.8 | | 9.5 | | 23.0 | 25.3 | |
| 9.4 | | 38.9 | 41.1 | | 9.5 | | 57.5 | 13.6 | | 8.5 | | 52.5 | 47.1 | K | 9.4 | 19 | 27.3 | 21.5 | | 9.2 | | 24.0 | 56.9 | K |
| 9.2 | | 48.7 | 30.3 | *b* | 9.5 | 0 | 2.3 | 59.0 | | 7.0 | | 54.9 | 6.6 | K | 9.5 | | 29.4 | 7.8 | | 9.2 | | 25.0 | 44.5 | K |
| 8.5 | 51 | 0.7 | 0.7 | K | 9.1 | | 4.9 | 34.2 | | 9.1 | 11 | 11.7 | 9.2 | B | 8.2 | | 38.1 | 2.5 | K | 9.5 | | 25.6 | 22.0 | |
| 9.3 | | 24.9 | 20.4 | | 9.5 | | 20.5 | 52.4 | | 9.2 | | 28.9 | 2.9 | | 9.5 | | 42.5 | 57.1 | | 9.4 | | 30.7 | 5.2 | |
| 9.5 | | 45.2 | 8.0 | | 9.0 | | 23.0 | 9.1 | Kb | 9.5 | | 29.2 | 37.2 | | 9.4 | 20 | 3.0 | 20.8 | | 9.2 | | 35.4 | 35.3 | K |
| 9.4 | 52 | 8.4 | 26.3 | | 9.3 | | 28.0 | 49.8 | | 9.2 | | 29.5 | 11.4 | *a* | 9.1 | | 3.7 | 18.6 | | 9.3 | | 46.2 | 22.5 | B |
| 9.5 | | 9.8 | 49.9 | B | 9.5 | 1 | 9.7 | 59.5 | | 9.5 | | 30.2 | 29.0 | | 9.2 | | 22.1 | 47.1 | | 9.2 | 27 | 7.5 | 16.6 | |
| 9.5 | | 11.3 | 55.5 | | 9.1 | | 21.0 | 26.7 | K | 8.7 | | 35.1 | 3.2 | K | 9.4 | | 23.1 | 6.1 | | 9.5 | | 11.3 | 0.4 | |
| 9.5 | | 13.5 | 46.4 | | 9.5 | | 34.2 | 2.7 | | 9.5 | | 45.8 | 2.2 | B | 9.2 | | 27.6 | 59.3 | | 9.3 | | 13.4 | 28.7 | |
| 9.2 | | 17.0 | 36.7 | K | 9.0 | | 46.0 | 31.1 | K | 9.3 | | 59.4 | 26.9 | | 9.0 | | 30.7 | 34.0 | B | 8.5 | | 15.9 | 7.0 | |
| 9.3 | | 22.4 | 8.3 | | 9.4 | 2 | 16.8 | 58.3 | | 9.5 | 12 | 9.2 | 17.5 | | 9.0 | | 46.4 | 18.7 | K | 9.5 | | 17.7 | 58.6 | |
| 9.1 | | 23.9 | 40.4 | K | 9.3 | | 23.5 | 27.9 | | 9.5 | | 34.1 | 11.8 | | 9.3 | | 48.1 | 34.6 | | 9.4 | | 26.3 | 39.2 | |
| 9.5 | | 39.3 | 7.1 | | 6.8 | | 35.0 | 49.6 | K | 9.0 | | 34.5 | 49.6 | | 9.0 | | 48.1 | 40.6 | | 8.4 | | 33.0 | 49.2 | *B* |
| 9.5 | | 39.4 | 31.3 | | 8.6 | | 35.4 | 28.1 | K | 9.5 | | 46.1 | 15.0 | | 7.6 | 21 | 5.0 | 54.5 | *B* | 9.5 | | 53.4 | 23.8 | |
| 9.3 | | 41.2 | 55.3 | | 9.5 | | 58.5 | 39.7 | | 8.7 | | 51.3 | 0.2 | K | 9.3 | | 11.7 | 30.2 | | 9.1 | | 53.5 | 51.2 | K |
| 9.5 | 53 | 17.7 | 10.3 | | 9.5 | 3 | 0.4 | 4.6 | | 9.5 | 13 | 15.0 | 7.0 | | 8.8 | | 11.9 | 24.5 | K | 9.5 | 28 | 6.3 | 46.5 | |
| 9.4 | | 29.5 | 59.0 | | 8.6 | | 11.0 | 36.5 | K | 9.5 | | 30.1 | 51.1 | | 9.5 | | 13.1 | 0.6 | | 9.2 | | 17.6 | 44.5 | K |
| 8.8 | | 30.9 | 35.0 | K | 9.3 | | 33.6 | 47.7 | B | 9.5 | | 32.8 | 17.5 | | 9.0 | | 14.5 | 58.0 | | 9.5 | | 31.4 | 51.9 | |
| 9.3 | | 50.6 | 0.1 | | 8.8 | | 43.0 | 35.5 | K | 9.8 | | 40.6 | 26.6 | | 8.6 | | 16.3 | 42.6 | B | 8.9 | | 36.3 | 9.6 | |
| 8.7 | 54 | 2.4 | 33.1 | K | 9.5 | | 59.5 | 1.2 | | 9.5 | | 43.0 | 29.1 | | 8.7 | | 16.3 | 12.6 | K | 9.5 | | 51.8 | 19.2 | |
| 6.5 | | 2.7 | 29.0 | K | 9.4 | 4 | 10.2 | 40.2 | | 9.1 | 14 | 0.2 | 43.9 | | 8.0 | | 20.0 | 19.8 | K | 9.2 | 29 | 11.4 | 20.4 | |
| 9.5 | | 14.1 | 49.9 | | 9.5 | | 21.6 | 44.2 | | 6.6 | | 7.3 | 5.7 | K | 9.3 | | 21.1 | 47.2 | | 8.9 | | 13.3 | 23.9 | K |
| 9.4 | | 19.9 | 50.6 | | 9.5 | | 27.1 | 6.7 | | 8.7 | | 9.8 | 17.9 | K | 9.3 | | 28.7 | 41.4 | | 8.8 | | 16.1 | 56.2 | K |
| 8.9 | | 30.8 | 0.7 | | 9.3 | | 35.4 | 51.4 | | 9.4 | | 11.1 | 28.4 | B | 9.0 | | 43.5 | 37.3 | | 8.7 | | 26.5 | 35.3 | |
| 9.5 | | 32.4 | 46.4 | | 9.3 | | 36.8 | 55.1 | | 8.9 | | 29.0 | 19.6 | K | 8.8 | | 51.0 | 1.8 | | 8.8 | 30 | 2.0 | 40.5 | |
| 9.1 | | 36.3 | 3.9 | *a* | 9.5 | | 58.0 | 54.9 | | 8.0 | | 41.8 | 56.9 | K | 9.5 | | 54.8 | 0.7 | | 9.5 | | 5.3 | 33.3 | |
| 9.5 | | 38.0 | 37.1 | | 9.5 | 5 | 7.8 | 6.7 | | 7.1 | | 45.4 | 0.0 | G | 9.2 | 22 | 16.9 | 48.7 | *a* | 9.3 | | 10.4 | 15.7 | |
| 9.5 | 55 | 3.9 | 21.3 | | 9.1 | | 8.3 | 39.7 | Kb | 7.7 | | 47.1 | 18.5 | K | 8.5 | | 18.1 | 45.2 | | 9.0 | | 15.0 | 49.5 | |
| 9.5 | | 15.2 | 48.7 | | 9.5 | | 24.0 | 53.3 | | 9.4 | | 55.0 | 2.9 | | 9.2 | | 18.6 | 9.4 | | 9.5 | | 27.8 | 52.7 | |
| 9.1 | | 27.0 | 24.6 | B | 8.7 | | 24.3 | 24.9 | K | 9.4 | 15 | 1.3 | 31.0 | | 9.2 | | 28.0 | 19.3 | K | 8.0 | | 37.1 | 21.6 | K |
| 8.7 | | 30.4 | 0.1 | | 9.0 | | 30.1 | 22.7 | K | 9.4 | | 6.6 | 53.6 | | 8.9 | | 48.0 | 35.3 | K | 9.1 | | 39.6 | 6.9 | |
| 6.9 | | 34.0 | 29.0 | L | 9.0 | | 34.0 | 28.1 | K | 9.5 | | 12.6 | 1.7 | | 9.4 | 23 | 12.9 | 43.8 | | 9.0 | | 42.5 | 7.7 | |
| 9.1 | | 34.2 | 17.8 | B | 9.3 | | 35.8 | 14.3 | | 9.5 | | 25.2 | 0.7 | | 9.5 | | 17.3 | 32.5 | | 9.3 | 31 | 0.2 | 59.3 | |
| 9.2 | | 36.9 | 20.2 | | 9.5 | | 49.4 | 36.3 | | 8.8 | | 42.7 | 31.6 | | 8.8 | | 26.1 | 4.8 | | 8.9 | | 13.1 | 38.8 | K |
| 8.9 | | 38.0 | 8.4 | | 9.4 | 6 | 8.7 | 52.1 | | 8.6 | | 44.8 | 48.7 | L | 9.2 | | 28.0 | 43.4 | K | 9.2 | | 15.4 | 21.8 | |
| 9.5 | | 56.1 | 53.6 | | 9.5 | | 29.0 | 59.7 | | 8.2 | | 49.5 | 39.3 | K | 9.4 | | 30.6 | 41.4 | | 9.2 | | 17.6 | 48.7 | |
| 9.5 | 56 | 0.6 | 57.1 | | 6.3 | | 35.0 | 11.6 | G | 9.5 | 16 | 6.8 | 16.3 | | 9.4 | | 33.2 | 48.6 | | 8.0 | | 41.2 | 41.1 | K |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| *10 pr.* | | *19.60* | *0.76* | | *10 pr.* | | *19.71* | *0.89* | | *10 pr.* | | *19.85* | *1.03* | | *10 pr.* | | *20.00* | *1.15* | | *10 pr.* | | *20.12* | *1.24* | |

| 3801—3860 | | | | 3861—3920 | | | | 3921—3980 | | | | 3981—4040 | | | | 4041—4100 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19ᵐ | +40° | | | 19ᵐ | +40° | | | 19ᵐ | +40° | | | 19ᵐ—20ᵐ | +40° | | | 20ᵐ | +40° | |
| m | | | | m | | | | m | | | | m | | | | m | | | |
| 8.2 | 31′ 45.0 | 38.8 | K | 9.5 | 38′ 46.8 | 13.1 | | 8.4 | 47′ 48.2 | 50.8 | B | 8.9 | 56′ 33.8 | 28.3 | | 8.8 | 4′ 58.4 | 44.0 | K |
| 8.7 | 47.7 | 36.1 | K | 9.3 | 39 2.4 | 23.7 | | 8.4 | 48.5 | 22.2 | K | 7.0 | 49.6 | 26.8 | G | 9.5 | 5 10.5 | 21.3 | |
| 9.5 | 32 4.6 | 3.8 | | 9.1 | 13.9 | 3.4 | | 9.3 | 51.2 | 13.9 | B | 9.2 | 50.2 | 26.1 | | 8.0 | 22.0 | 3.0 | G |
| 9.5 | 13.5 | 48.4 | | 9.4 | 16.6 | 24.2 | | 9.5 | 51.3 | 50.7 | | 9.0 | 53.0 | 52.5 | | 9.0 | 26.7 | 44.0 | K |
| 9.5 | 19.9 | 47.2 | | 8.7 | 21.0 | 16.8 | | 9.5 | 56.1 | 0.6 | | 9.2 | 57 23.2 | 2.1 | | 9.0 | 31.8 | 46.9 | K |
| 9.3 | 22.4 | 41.0 | | 6.3 | 55.0 | 21.7 | G | 7.8 | 56.2 | 42.3 | Kb | 9.5 | 26.1 | 25.1 | | 6.9 | 41.8 | 49.1 | K |
| 9.0 | 27.8 | 32.8 | K | 8.7 | 58.4 | 45.1 | B | 9.3 | 58 8.0 | 49.1 | B | 8.8 | 29.7 | 56.5 | K | 9.0 | 43.2 | 42.7 | |
| 8.2 | 33.3 | 16.3 | K | 9.3 | 59.5 | 45.9 | | 9.5 | 8.0 | 8.7 | | 9.3 | 32.5 | 41.6 | | 8.8 | 50.0 | 16.3 | |
| 9.5 | 40.2 | 2.6 | | 9.5 | 40 2.1 | 6.2 | | 9.5 | 27.3 | 0.5 | | 9.4 | 38.9 | 52.3 | | 9.4 | 50.8 | 24.0 | |
| 9.5 | 40.5 | 14.6 | | 7.7 | 52.0 | 12.7 | K | 9.3 | 37.4 | 36.6 | | 8.1 | 47.8 | 52.2 | K | 7.8 | 56.3 | 55.6 | K |
| 9.4 | 48.6 | 16.1 | B | 9.8 | 41 6.4 | 11.0 | | 6.8 | 43.0 | 59.3 | K | 9.2 | 52.3 | 33.0 | | 8.0 | 58.7 | 30.9 | B |
| 8.2 | 52.1 | 11.3 | K | 9.2 | 18.2 | 19.0 | | 9.4 | 53.0 | 55.7 | | 8.0 | 58 8.3 | 52.0 | K | 9.2 | 6 3.8 | 47.5 | |
| 9.5 | 33 1.4 | 29.8 | | 9.2 | 20.7 | 38.7 | B | 7.9 | 56.0 | 51.4 | K | 9.5 | 14.4 | 35.2 | | 8.1 | 15.0 | 43.6 | B |
| 9.5 | 3.2 | 22.9 | | 9.5 | 23.2 | 48.2 | | 9.3 | 49 4.2 | 31.6 | | 9.0 | 24.0 | 19.9 | | 9.3 | 23.0 | 14.9 | |
| 9.1 | 9.8 | 9.5 | K | 9.0 | 23.2 | 58.8 | K | 9.5 | 9.0 | 56.0 | | 9.5 | 25.1 | 54.0 | | 9.5 | 37.4 | 43.9 | |
| 9.5 | 10.0 | 56.0 | | 9.5 | 29.0 | 59.3 | | 9.4 | 38.1 | 31.3 | | 9.5 | 27.8 | 47.3 | | 7.9 | 38.4 | 57.5 | K |
| 9.5 | 28.3 | 33.5 | | 9.4 | 48.6 | 56.3 | | 9.1 | 50.6 | 30.3 | B | 9.5 | 45.5 | 17.8 | | 8.7 | 39.8 | 25.0 | |
| 9.5 | 38.5 | 44.2 | | 9.4 | 57.4 | 4.9 | | 9.4 | 51.9 | 14.1 | | 7.7 | 57.3 | 14.2 | K | 9.5 | 56.6 | 20.8 | |
| 9.5 | 38.6 | 43.7 | | 9.3 | 57.5 | 37.0 | | 9.5 | 57.3 | 56.6 | | 9.4 | 59 0.4 | 3.9 | | 8.6 | 7 5.3 | 55.3 | K |
| 9.1 | 53.1 | 8.3 | B | 7.9 | 42 25.1 | 38.3 | K | 9.5 | 50 5.8 | 38.3 | | 9.5 | 2.5 | 50.4 | | 7.5 | 51.6 | 17.1 | K |
| 9.5 | 34 2.2 | 10.8 | | 9.4 | 36.2 | 19.5 | | 8.7 | 12.2 | 26.4 | B | 9.5 | 16.6 | 1.5 | | 9.3 | 56.0 | 35.4 | |
| 9.3 | 6.7 | 1.5 | | 9.5 | 43.0 | 33.6 | | 8.5 | 12.7 | 54.6 | K | 9.2 | 21.2 | 42.0 | | 9.5 | 8 4.5 | 52.0 | |
| 9.5 | 12.4 | 32.3 | | 9.5 | 47.4 | 38.3 | | 9.4 | 16.4 | 10.4 | | 9.2 | 46.8 | 36.8 | | 9.5 | 5.1 | 11.3 | |
| 7.5 | 13.3 | 17.5 | K | 9.5 | 49.5 | 33.9 | | 9.3 | 19.0 | 4.7 | | 9.5 | 47.0 | 52.1 | | 9.5 | 6.7 | 29.0 | |
| 9.5 | 26.5 | 34.1 | | 9.3 | 43 2.7 | 14.4 | | 8.6 | 20.2 | 7.1 | | 9.2 | 57.4 | 57.6 | | 9.4 | 9.0 | 22.8 | |
| 9.5 | 30.8 | 24.0 | | 9.5 | 7.1 | 6.3 | | 9.5 | 23.2 | 33.6 | | 9.0 | 58.8 | 5.7 | | 9.5 | 18.5 | 39.2 | |
| 9.5 | 31.3 | 13.7 | | 9.4 | 22.1 | 3.5 | | 8.7 | 34.2 | 26.3 | B | 9.4 | 0 0.2 | 13.7 | | 8.8 | 37.4 | 47.4 | |
| 9.5 | 45.9 | 12.5 | | 9.1 | 29.7 | 55.7 | | 7.5 | 42.3 | 0.8 | K | 9.0 | 6.8 | 19.8 | | 9.0 | 38.8 | 24.4 | |
| 9.5 | 35 6.5 | 31.6 | | 9.1 | 30.0 | 52.0 | b | 9.1 | 49.1 | 0.8 | a | 9.2 | 8.0 | 55.1 | | 9.5 | 53.2 | 11.7 | |
| 8.8 | 10.0 | 32.0 | B | 9.4 | 49.5 | 48.3 | | 9.3 | 59.5 | 54.5 | K | 7.2 | 8.8 | 23.7 | K | 9.5 | 57.1 | 40.2 | |
| 9.4 | 12.3 | 37.0 | | 9.5 | 54.9 | 22.1 | | 9.4 | 51 37.0 | 25.6 | | 9.5 | 16.2 | 11.3 | | 7.9 | 9 11.9 | 16.2 | K |
| 9.2 | 15.4 | 39.8 | | 9.5 | 56.2 | 2.9 | | 9.4 | 38.4 | 18.2 | | 9.4 | 18.8 | 12.8 | | 9.0 | 14.8 | 49.1 | |
| 9.5 | 19.8 | 57.6 | | 9.4 | 44 18.0 | 58.4 | | 9.4 | 40.7 | 42.5 | | 9.5 | 20.3 | 16.7 | | 8.8 | 28.8 | 47.9 | |
| 9.5 | 22.0 | 47.7 | | 9.5 | 33.7 | 7.1 | | 9.4 | 52 23.9 | 15.6 | a | 9.4 | 25.6 | 7.4 | | 9.5 | 38.0 | 20.6 | |
| 9.5 | 30.2 | 26.9 | | 9.3 | 34.8 | 14.6 | | 8.3 | 32.3 | 4.0 | B | 7.4 | 38.7 | 51.6 | K | 9.4 | 39.9 | 8.0 | |
| 9.2 | 31.6 | 1.3 | | 9.4 | 35.9 | 52.5 | B | 8.5 | 31.8 | 10.7 | | 9.4 | 48.8 | 27.9 | | 9.5 | 50.6 | 57.2 | |
| 9.2 | 35.1 | 57.4 | B | 9.5 | 41.5 | 32.0 | B | 9.2 | 41.4 | 29.7 | | 9.4 | 55.3 | 20.5 | | 7.7 | 10 4.5 | 51.5 | G |
| 9.4 | 43.0 | 56.2 | | 9.3 | 45 7.0 | 8.7 | | 7.5 | 53 2.9 | 32.1 | L | 9.5 | 59.4 | 47.4 | | 9.3 | 9.8 | 48.3 | |
| 9.4 | 43.0 | 56.7 | | 9.3 | 16.3 | 14.8 | | 9.0 | 3.0 | 55.0 | | 9.5 | 1 4.0 | 10.4 | | 7.2 | 13.9 | 30.8 | K |
| 9.5 | 46.2 | 41.9 | | 8.7 | 17.7 | 1.2 | | 8.4 | 4.9 | 12.3 | | 9.5 | 5.8 | 39.5 | | 8.4 | 19.6 | 3.4 | |
| 8.3 | 49.7 | 44.1 | K | 9.4 | 35.4 | 32.8 | | 9.5 | 18.1 | 20.0 | | 9.5 | 7.8 | 39.7 | | 8.9 | 36.0 | 52.0 | |
| 9.5 | 58.8 | 46.3 | | 5.5 | 39.0 | 14.0 | K | 9.3 | 30.8 | 4.7 | | 9.5 | 12.5 | 57.0 | | 9.1 | 48.0 | 25.1 | |
| 9.5 | 36 16.4 | 28.2 | | 9.4 | 43.2 | 16.2 | B | 9.5 | 52.0 | 11.9 | | 9.2 | 29.8 | 46.6 | K | 9.3 | 50.2 | 10.8 | |
| 9.0 | 25.1 | 3.3 | | 9.3 | 45.4 | 27.1 | | 9.4 | 54 9.0 | 5.8 | | 9.4 | 51.6 | 14.9 | | 9.2 | 52.8 | 33.4 | K |
| 9.5 | 26.0 | 37.8 | | 9.5 | 46 4.4 | 53.1 | | 9.4 | 18.6 | 55.7 | | 9.4 | 2 5.0 | 15.4 | | 9.5 | 53.2 | 36.9 | |
| 8.3 | 43.9 | 18.5 | G | 9.5 | 6.5 | 48.5 | | 9.5 | 21.8 | 40.5 | | 9.2 | 5.9 | 46.8 | | 7.8 | 11 8.5 | 30.8 | K |
| 9.2 | 53.7 | 40.7 | | 9.2 | 16.8 | 13.6 | | 8.9 | 29.3 | 48.2 | | 9.3 | 27.8 | 38.2 | | 8.6 | 29.2 | 26.1 | K |
| 8.7 | 37 11.8 | 50.6 | | 8.2 | 25.9 | 21.9 | B | 9.4 | 38.2 | 48.4 | | 9.5 | 41.5 | 45.1 | | 8.7 | 37.6 | 47.3 | |
| 8.8 | 14.9 | 36.5 | | 8.7 | 43.6 | 40.7 | | 9.5 | 45.4 | 24.0 | | 9.5 | 58.3 | 24.2 | | 8.6 | 44.8 | 52.3 | |
| 9.3 | 17.2 | 27.4 | | 9.2 | 49.0 | 9.8 | | 9.4 | 45.8 | 37.1 | | 9.5 | 3 13.1 | 16.8 | | 8.8 | 53.4 | 23.6 | K |
| 9.5 | 25.1 | 31.1 | | 9.5 | 53.2 | 47.2 | | 9.2 | 55 1.6 | 52.7 | R | 9.2 | 20.1 | 58.5 | | 9.1 | 54.3 | 59.9 | |
| 9.0 | 28.9 | 28.6 | | 7.7 | 56.0 | 59.0 | K | 9.3 | 13.8 | 20.3 | | 9.5 | 20.2 | 49.2 | | 9.0 | 12 3.0 | 56.3 | |
| 9.5 | 47.5 | 50.8 | | 8.5 | 56.5 | 44.0 | | 9.4 | 28.0 | 50.2 | | 9.5 | 29.3 | 35.3 | | 7.0 | 5.1 | 8.9 | K |
| 9.5 | 53.8 | 28.4 | | 8.8 | 47 4.4 | 26.1 | B | 9.5 | 41.8 | 54.2 | | 8.9 | 31.4 | 8.9 | | 9.1 | 8.8 | 17.5 | |
| 8.9 | 56.7 | 1.0 | | 8.2 | 13.3 | 41.5 | B | 9.4 | 50.3 | 14.2 | | 9.5 | 57.0 | 18.6 | | 9.3 | 10.0 | 53.8 | |
| 6.7 | 38 1.0 | 22.7 | K | 8.7 | 19.6 | 19.0 | K | 9.4 | 56.9 | 31.5 | | 8.3 | 4 18.8 | 41.0 | K | 9.5 | 18.9 | 5.9 | |
| 9.5 | 28.7 | 41.9 | | 9.3 | 26.3 | 9.6 | | 8.0 | 56 8.8 | 41.6 | G | 8.3 | 33.8 | 0.0 | G | 9.4 | 24.8 | 4.7 | K |
| 9.5 | 29.5 | 47.7 | | 9.3 | 27.8 | 13.1 | | 8.9 | 9.0 | 47.8 | | 9.5 | 39.9 | 14.7 | | 8.5 | 36.0 | 3.2 | K |
| 8.8 | 33.0 | 53.6 | | 9.4 | 32.9 | 34.8 | | 9.0 | 17.2 | 5.8 | | 9.2 | 40.3 | 55.9 | | 9.5 | 51.9 | 40.2 | |
| 9.4 | 44.3 | 9.9 | | 9.5 | 46.1 | 1.1 | | 8.8 | 33.0 | 30.0 | | 9.5 | 52.3 | 55.9 | | 9.5 | 54.5 | 34.5 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 20.27 | 1.35 | | 10pr. | 20.45 | 1.46 | | 10pr. | 20.62 | 1.56 | | 10pr. | 20.84 | 1.67 | | 10pr. | 21.06 | 1.79 | |

| 4101—4160 | | | | | 4161—4220 | | | | | 4221—4280 | | | | | 4281—4340 | | | | | 4341—4400 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20m | | +40° | | | 20m | | +40° | | | 20m | | +40° | | | 20m | | +40° | | | 20m | | +40° | |
| m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | | m | | ″ | ′ | |
| 9.5 | 12 | 55.2 | 26.8 | | 9.3 | 20 | 12.5 | 12.4 | | 9.5 | 27 | 15.2 | 55.0 | | 9.3 | 36 | 32.8 | 54.9 | | 9.5 | 46 | 13.0 | 33.2 | |
| 9.1 | | 57.1 | 54.5 | | 9.5 | | 35.3 | 57.6 | | 9.5 | | 17.3 | 30.0 | | 8.9 | | 44.0 | 56.0 | | 9.5 | | 50.2 | 56.9 | |
| 6.3 | | 59.8 | 16.7 | Sb | 8.7 | | 40.8 | 7.5 | | 9.5 | | 26.8 | 30.2 | | 8.8 | | 48.8 | 53.1 | | 8.9 | 47 | 2.9 | 27.0 | |
| 9.5 | 13 | 12.8 | 5.6 | | 7.5 | | 48.3 | 51.5 | K | 9.0 | | 30.0 | 1.8 | | 8.5 | | 49.7 | 9.5 | K | 9.5 | | 44.3 | 47 3 | |
| 8.9 | | 15.4 | 5.1 | K | 7.4 | 21 | 13.8 | 53.6 | K | 7.0 | | 50.6 | 58.5 | K | 9.5 | | 53.0 | 59.2 | | 9.0 | 48 | 14.0 | 48.0 | |
| 9.0 | | 20.0 | 28.9 | | 8.9 | | 16.0 | 56.5 | K | 8.0 | | 59.0 | 7.4 | L | 8.6 | 37 | 14.4 | 54.0 | | 7.5 | | 17.6 | 30.0 | G |
| 9.5 | | 24.1 | 29.9 | | 9.4 | | 17.3 | 58.4 | | 8.5 | 28 | 1.0 | 49.1 | K | 9.4 | | 45.8 | 20.0 | | 9.0 | | 19.6 | 7.8 | K |
| 9.4 | | 25.8 | 30.9 | | 9.4 | | 17.7 | 27.9 | | 9.0 | | 3.6 | 32.1 | | 9.4 | | 46.3 | 29.1 | | 8.6 | | 38.6 | 9.3 | K |
| 9.4 | | 36.5 | 46.0 | | 9.5 | | 18.8 | 10.9 | | 9.0 | | 4.4 | 26.7 | | 7.8 | | 47.8 | 16.2 | K | 8.3 | | 38.7 | 46.6 | |
| 9.5 | | 44.8 | 53.1 | | 9.4 | | 24.3 | 20.4 | | 8.6 | | 5.0 | 29.0 | K | 8.2 | | 51.2 | 6.4 | K | 8.4 | | 40.4 | 21.4 | |
| 9.5 | | 44.9 | 43.7 | | 9.0 | | 40.5 | 31.1 | | 9.2 | | 11.1 | 20.1 | | 8.2 | | 51.7 | 45.2 | B | 9.5 | | 47.6 | 37.5 | |
| 9.5 | | 47.2 | 30.1 | | 9.5 | | 49.7 | 37.8 | | 9.3 | | 37.0 | 0.9 | | 8.0 | 38 | 9.0 | 11.8 | K | 9.4 | | 48.1 | 14.0 | |
| 9.5 | | 49.5 | 15.0 | | 9.5 | | 55.4 | 39.4 | | 8.9 | | 38.7 | 3.9 | | 8.4 | | 13.1 | 21.7 | K | 9.1 | | 52.4 | 17.5 | |
| 9.5 | 14 | 4.8 | 22.2 | | 9.2 | 22 | 8.8 | 32.6 | | 9.5 | | 59.1 | 56.1 | | 9.4 | | 38.4 | 41.0 | | 6.8 | | 58.3 | 9.6 | K |
| 8.8 | | 14.5 | 25.4 | | 9.5 | | 11.1 | 30.5 | | 9.2 | 29 | 5.7 | 12.1 | K | 9.0 | | 43.9 | 18.7 | K | 9.5 | 49 | 13.5 | 8.5 | |
| 7.6 | | 16.0 | 56.0 | K | 9.1 | | 20.9 | 17.5 | | 8.7 | | 10.1 | 7.7 | K | 9.5 | | 45.9 | 44.9 | | 8.5 | | 34.6 | 47.3 | Kb |
| 9.5 | | 22.9 | 11.6 | | 9.0 | | 21.6 | 59.7 | K | 9.5 | | 12.0 | 48.4 | | 9.1 | 39 | 8.2 | 31.9 | | 8.8 | | 42.0 | 20.4 | |
| 9.5 | | 22.7 | 26.8 | | 8.7 | | 22.3 | 57.3 | K | 9.4 | | 15.0 | 27.2 | | 9.4 | | 24.5 | 59.3 | | 9.2 | 50 | 6.6 | 38.7 | |
| 9.0 | | 32.4 | 25.4 | | 9.4 | | 30.7 | 6.9 | | 8.6 | | 15.8 | 11.3 | K | 9.5 | | 30.0 | 56.1 | | 9.5 | | 15.5 | 58.6 | |
| 8.7 | | 34.3 | 40.8 | | 9.5 | | 35.2 | 7.8 | | 6.5 | | 22.7 | 35.5 | K | 9.3 | | 35.2 | 48.3 | a | 9.5 | | 29.3 | 51.3 | |
| 7.4 | | 38.1 | 40.9 | L | 8.9 | | 46.8 | 14.8 | | 9.4 | | 54.9 | 50.3 | | 9.0 | | 36.7 | 47.0 | K | 9.4 | | 44.4 | 58.1 | |
| 9.5 | 15 | 0.0 | 40.1 | | 9.5 | | 53.0 | 30.1 | | 9.3 | 30 | 33.4 | 42.1 | | 9.1 | | 47.3 | 0.8 | | 8.6 | | 51.4 | 6.4 | K |
| 9.4 | | 17.7 | 55.6 | | 8.2 | | 53.2 | 7.6 | L | 9.5 | | 33.9 | 52.0 | | 9.0 | | 48.6 | 11.7 | | 8.5 | 51 | 41.6 | 42.9 | K |
| 9.5 | | 22.7 | 54.2 | | 9.5 | 23 | 1.3 | 16.8 | | 9.5 | | 40.0 | 0.6 | | 9.3 | | 55.9 | 33.3 | | 4.0 | | 46.6 | 36.7 | K |
| 9.4 | | 33.4 | 2.7 | | 9.4 | | 4.0 | 9.2 | | 9.5 | | 50.7 | 0.4 | | 9.0 | 40 | 1.8 | 48.2 | K | 9.1 | | 47.1 | 12.0 | K |
| 9.4 | | 38.2 | 54.5 | | 8.9 | | 10.8 | 50.8 | | 7.5 | 31 | 13.6 | 32.6 | K | 9.3 | | 11.6 | 44.9 | | 9.5 | | 56.9 | 16.7 | |
| 9.3 | | 42.8 | 45.0 | | 9.0 | | 20.9 | 19.4 | | 9.2 | | 37.4 | 28.1 | | 9.5 | | 14.8 | 33.7 | | 9.5 | 52 | 2.0 | 53.0 | |
| 8.9 | 16 | 2.9 | 59.8 | | 8.0 | | 21.5 | 25.3 | B | 9.0 | | 39.1 | 55.9 | | 9.2 | | 15.2 | 8.6 | | 8.8 | | 8.5 | 25.1 | |
| 8.0 | | 8.3 | 20.5 | B | 9.4 | | 34.9 | 28.2 | | 9.4 | | 41.0 | 8.3 | | 9.5 | | 23.9 | 12.7 | | 8.2 | | 35.9 | 20.7 | B |
| 9.5 | | 11.9 | 4.7 | | 9.2 | | 37.7 | 9.9 | | 8.9 | 32 | 4.1 | 42.9 | K | 9.1 | | 46.8 | 43.1 | | 8.9 | | 37.7 | 9.7 | |
| 9.5 | | 15.3 | 47.2 | | 9.5 | | 50.3 | 22.7 | | 7.3 | | 12.0 | 53.2 | L | 9.5 | 41 | 7.2 | 58.6 | | 9.4 | | 44.2 | 36.5 | |
| 8.3 | | 18.8 | 44.0 | | 9.4 | | 57.8 | 52.5 | | 8.8 | | 20.9 | 8.7 | | 9.2 | | 34.8 | 5.1 | | 9.2 | | 46.9 | 56.0 | |
| 9.3 | | 30.8 | 23.7 | | 9.5 | 24 | 0.5 | 11.7 | | 9.5 | | 23.5 | 26.7 | | 9.2 | | 53.0 | 54.6 | | 7.7 | 53 | 3.6 | 48.0 | K |
| 9.4 | | 36.4 | 4.7 | | 8.4 | | 2.2 | 19.0 | | 9.5 | | 25.7 | 24.1 | | 9.5 | 42 | 13.9 | 10.4 | | 8.1 | | 5.8 | 8.0 | Pb |
| 9.0 | | 52.8 | 16.3 | | 9.2 | | 7.4 | 39.2 | | 9.2 | | 37.0 | 42.8 | K | 9.2 | | 15.6 | 6.4 | | 9.0 | | 10.2 | 25.5 | |
| 6.5 | | 56.6 | 39.8 | L | 9.5 | | 9.0 | 16.4 | | 9.4 | | 42.8 | 17.9 | | 9.5 | | 20.7 | 31.0 | | 9.4 | | 33.0 | 2.5 | |
| 8.6 | | 59.2 | 30.9 | | 8.7 | | 16.6 | 31.2 | | 8.8 | | 43.5 | 38.5 | K | 9.3 | | 39.0 | 53.3 | R | 9.5 | | 42.6 | 35.2 | |
| 9.3 | 17 | 33.1 | 7.4 | | 9.5 | | 31.0 | 56.7 | | 9.5 | | 44.5 | 9.3 | | 9.5 | 43 | 0.1 | 2.4 | | 7.3 | 54 | 2.0 | 24.1 | K |
| 8.3 | | 34.4 | 15.1 | B | 9.1 | | 36.8 | 33.1 | | 9.5 | | 52.2 | 27.6 | | 9.4 | | 3.6 | 5.1 | | 9.5 | | 22.5 | 47.9 | |
| 9.3 | | 37.3 | 56.8 | | 9.3 | | 44.8 | 35.3 | | 9.2 | | 53.0 | 49.1 | | 9.5 | | 6.5 | 8.8 | | 8.9 | | 23.4 | 29.5 | K |
| 6.0 | | 37.8 | 33.6 | G | 9.2 | | 46.4 | 56.4 | | 9.0 | 33 | 20.0 | 38.6 | K | 9.5 | | 10.4 | 44.1 | | 9.1 | | 27.2 | 41.8 | |
| 9.5 | | 51.8 | 8.3 | B | 9.5 | 25 | 1.4 | 0.3 | | 9.4 | | 20.5 | 50.1 | | 9.1 | | 10.3 | 27.6 | | 8.4 | 55 | 12.6 | 7.2 | |
| 8.7 | | 54.0 | 8.8 | B | 9.5 | | 4.5 | 52.4 | | 9.5 | | 22.6 | 32.8 | | 8.9 | | 13.7 | 12.5 | | 9.5 | | 35.3 | 48.3 | |
| 7.7 | | 56.9 | 19.8 | K | 9.2 | | 6.9 | 48.4 | | 9.5 | | 50.3 | 25.1 | | 8.2 | | 24.3 | 37.8 | K | 9.4 | | 38.1 | 44.6 | |
| 9.5 | | 59.1 | 22.3 | | 7.7 | | 9.6 | 10.8 | B | 9.5 | 34 | 6.0 | 42.4 | | 9.1 | | 26.6 | 26.1 | | 9.1 | | 38.1 | 6.4 | |
| 9.5 | 18 | 0.6 | 17.7 | | 7.1 | | 17.3 | 1.3 | K | 6.0 | | 16.0 | 4.2 | K | 9.3 | | 31.2 | 16.7 | | 9.3 | | 39.6 | 51.1 | |
| 8.3 | | 3.2 | 24.8 | | 9.5 | | 32.1 | 20.8 | | 8.5 | | 21.5 | 4.7 | K | 8.5 | | 37.6 | 7.3 | | 9.5 | | 45.0 | 26.6 | |
| 9.5 | | 4.4 | 17.3 | | 9.5 | | 36.6 | 15.0 | | 9.5 | | 43.4 | 55.7 | | 7.6 | | 47.3 | 22.8 | B | 9.5 | | 46.3 | 7.4 | |
| 9.5 | | 7.9 | 16.6 | | 8.6 | | 40.5 | 50.3 | | 9.5 | | 43.6 | 27.1 | | 7.9 | | 55.7 | 36.2 | K | 7.0 | | 57.4 | 2.8 | L |
| 7.4 | | 8.9 | 17.4 | K | 9.4 | | 48.4 | 2.0 | | 9.4 | | 44.8 | 4.2 | K | 8.3 | 44 | 2.8 | 17.1 | | 9.5 | 56 | 14.0 | 10.5 | |
| 9.1 | | 30.8 | 28.5 | | 7.1 | | 53.8 | 22.2 | B | 9.2 | | 47.3 | 22.2 | | 8.3 | | 4.6 | 11.3 | | 8.9 | 57 | 3.5 | 50.6 | |
| 9.2 | | 55.9 | 54.9 | | 9.5 | 26 | 25.9 | 43.3 | | 9.5 | | 49.9 | 44.0 | | 9.5 | | 5.0 | 3.0 | | 9.5 | | 7.3 | 29.5 | |
| 9.4 | 19 | 4.4 | 1.2 | | 8.7 | | 34.8 | 47.6 | | 9.0 | 35 | 22.4 | 6.9 | K | 8.7 | | 18.6 | 33.7 | K | 8.4 | | 13.6 | 43.1 | |
| 9.3 | | 8.5 | 10.6 | | 8.3 | | 35.0 | 37.3 | K | 9.1 | | 27.3 | 50.4 | | 9.5 | | 56.5 | 10.5 | | 9.5 | | 48.3 | 29.5 | |
| 8.2 | | 8.8 | 33.3 | Kb | 9.5 | | 41.3 | 56.1 | | 9.0 | | 28.2 | 27.4 | | 9.2 | 45 | 12.9 | 28.8 | | 9.5 | | 55.7 | 41.8 | |
| 9.4 | | 15.1 | 57.8 | | 9.5 | | 43.5 | 25.6 | | 7.0 | | 38.1 | 41.0 | K | 8.3 | | 32.4 | 40.7 | K | 9.4 | 58 | 3.4 | 17.8 | |
| 9.0 | | 17.8 | 21.5 | | 9.5 | | 46.5 | 5.8 | | 9.1 | | 51.3 | 24.7 | | 8.9 | | 36.1 | 50.1 | | 9.0 | | 11.0 | 6.0 | |
| 9.5 | | 18.3 | 26.0 | | 9.0 | | 54.8 | 27.5 | | 9.4 | 36 | 1.6 | 20.5 | | 9.5 | | 40.6 | 52.5 | | 9.5 | | 15.5 | 40.3 | |
| 9.5 | | 54.5 | 6.2 | | 9.5 | 27 | 2.4 | 57.4 | | 8.8 | | 6.2 | 23.9 | K | 9.5 | 46 | 3.6 | 22.3 | | 9.2 | | 58.2 | 22.3 | |
| 8.2 | 20 | 5.9 | 31.3 | K | 9.1 | | 10.9 | 48.8 | | 9.4 | | 24.0 | 37.7 | | 9.4 | | 10.6 | 50.7 | | 9.5 | 59 | 1.5 | 6.5 | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | + | + | |
| 10 pr. | | 21.25 | 1.87 | | 10 pr. | | 21.47 | 1.96 | | 10 pr. | | 21.73 | 2.06 | | 10 pr. | | 20.00 | 2.16 | | 10 pr. | | 22.39 | 2.20 | |

| 4401—4460 | | | | 4461—4520 | | | | 4521—4580 | | | | 4581—4640 | | | | 4641—4700 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20ᵘ—21ᵘ | +40° | | | 21ᵘ | +40° | | | 21ᵘ | +40° | | | 21ᵘ | +40° | | | 21ᵘ | +40° | |
| m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | | m | ′ ″ | ′ | |
| 8.2 | 59 13.6 | 26.0 | K | 9.5 | 10 20.0 | 1.2 | | 9.2 | 20 19.5 | 34.2 | K | 9.5 | 30 55.7 | 39.6 | | 9.3 | 42 50.2 | 38.0 | |
| 8.5 | 27.3 | 6.2 | | 8.9 | 21.8 | 40.5 | K | 7.9 | 40.2 | 44.6 | K | 9.0 | 31 10.0 | 10.1 | | 9.0 | 51.4 | 6.2 | |
| 9.5 | 29.5 | 53.1 | | 9.1 | 33.3 | 25.0 | | 9.2 | 45.0 | 32.7 | K | 9.5 | 22.9 | 47.9 | | 9.4 | 43 12.7 | 42.5 | |
| 9.4 | 33.0 | 50.4 | | 9.5 | 44.6 | 12.8 | | 7.5 | 54.9 | 6.9 | L | 8.5 | 40.6 | 38.9 | | 8.3 | 15.2 | 32.7 | L |
| 9.4 | 42.8 | 11.9 | | 9.5 | 46.9 | 56.9 | | 9.5 | 56.9 | 36.3 | | 9.5 | 42.4 | 0.6 | | 8.8 | 23.7 | 25.7 | K |
| 9.3 | 49.6 | 49.9 | | 9.5 | 48.2 | 52.7 | | 9.3 | 21 23.4 | 14.5 | | 9.5 | 51.8 | 55.3 | | 8.2 | 24.1 | 21.2 | K |
| 8.4 | 0 3.6 | 35.2 | | 9.5 | 52.6 | 33.9 | | 9.3 | 32.0 | 19.9 | | 8.8 | 32 1.7 | 11.5 | K | 8.5 | 37.7 | 26.0 | K |
| 9.5 | 6.2 | 0.9 | | 9.5 | 52.6 | 52.8 | | 9.3 | 36.9 | 33.4 | | 9.4 | 2.9 | 22.5 | | 6.2 | 45.9 | 28.4 | K |
| 9.3 | 11.7 | 0.9 | | 9.3 | 54.0 | 42.3 | | 8.6 | 49.7 | 59.7 | K | 7.5 | 14.4 | 26.0 | K | 8.5 | 53.6 | 55.4 | |
| 9.5 | 33.3 | 54.7 | | 9.2 | 54.4 | 46.6 | K | 9.4 | 51.1 | 37.6 | | 9.5 | 27.5 | 15.3 | | 9.3 | 56.6 | 20.1 | |
| 8.9 | 39.6 | 27.0 | | 9.2 | 59.8 | 22.6 | | 9.5 | 22 10.3 | 44.0 | | 8.4 | 30.3 | 18.9 | K | 9.4 | 57.3 | 30.1 | |
| 8.4 | 41.9 | 23.8 | K | 9.4 | 11 2.3 | 12.2 | | 9.0 | 11.0 | 9.3 | | 9.0 | 35.5 | 53.2 | | 9.1 | 44 3.7 | 47.0 | |
| 8.7 | 1 32.6 | 50.0 | | 9.2 | 2.6 | 2.3 | | 9.4 | 13.4 | 8.0 | | 9.2 | 35.7 | 44.6 | | 7.8 | 31.9 | 23.0 | K |
| 9.0 | 37.0 | 58.7 | | 9.2 | 13.1 | 53.6 | K | 8.1 | 21.4 | 56.4 | K | 9.5 | 46.9 | 36.2 | | 9.4 | 41.1 | 46.7 | |
| 9.0 | 40.8 | 47.3 | | 9.4 | 22.3 | 40.8 | | 9.0 | 24.4 | 32.3 | K | 9.5 | 50.5 | 38.7 | | 9.2 | 45 51.4 | 48.0 | |
| 9.5 | 2 3.2 | 37.0 | | 9.4 | 57.5 | 13.6 | | 8.8 | 37.0 | 6.1 | | 9.5 | 52.9 | 50.2 | | 9.3 | 58.5 | 6.3 | |
| 9.5 | 11.9 | 1.0 | | 9.4 | 12 0.3 | 40.8 | | 9.5 | 39.9 | 39.0 | | 9.5 | 33 12.1 | 3.0 | | 9.4 | 59.0 | 51.2 | |
| 9.5 | 30.6 | 3.7 | | 9.5 | 6.2 | 59.3 | | 9.5 | 40.9 | 22.6 | | 8.8 | 19.4 | 10.1 | K | 7.8 | 59.1 | 58.2 | B |
| 9.5 | 33.7 | 58.3 | | 9.0 | 24.5 | 35.6 | | 9.5 | 23 1.5 | 35.6 | | 9.5 | 46.9 | 10.3 | | 8.8 | 46 11.2 | 39.0 | |
| 8.7 | 40.0 | 19.6 | | 9.4 | 33.6 | 43.2 | | 9.3 | 9.5 | 30.7 | K | 9.4 | 34 1.5 | 7.8 | | 9.5 | 36.8 | 49.0 | |
| 9.5 | 3 22.3 | 0.4 | | 9.5 | 37.3 | 36.4 | | 9.5 | 11.6 | 56.4 | | 8.7 | 2.9 | 56.1 | | 9.1 | 47 8.5 | 41.0 | |
| 9.0 | 22.3 | 39.9 | | 9.5 | 42.1 | 43.6 | | 9.4 | 14.4 | 22.0 | | 9.5 | 25.9 | 22.3 | | 7.3 | 9.8 | 55.4 | K |
| 9.5 | 24.8 | 12.0 | | 9.1 | 13 7.8 | 31.8 | | 9.5 | 18.0 | 11.6 | | 9.5 | 28.0 | 7.6 | | 9.3 | 24.0 | 15.3 | |
| 8.0 | 36.4 | 59.5 | K | 9.5 | 14.1 | 42.9 | | 9.5 | 56.9 | 26.3 | | 9.5 | 34.2 | 11.2 | | 8.6 | 51.0 | 0.0 | B |
| 8.8 | 4 5.1 | 1.1 | | 6.5 | 19.5 | 26.1 | G | 9.5 | 57.4 | 38.3 | | 8.9 | 48.4 | 28.0 | | 9.5 | 48 15.2 | 47.0 | |
| 9.0 | 15.8 | 0.3 | | 9.0 | 42.3 | 4.2 | | 9.5 | 59.0 | 9.7 | | 9.5 | 55.9 | 56.8 | | 9.0 | 35.5 | 41.3 | |
| 9.0 | 21.3 | 44.4 | | 9.2 | 49.7 | 46.8 | | 9.5 | 59.9 | 16.7 | | 9.1 | 35 24.4 | 23.3 | | 9.1 | 37.4 | 7.7 | |
| 9.2 | 25.8 | 0.4 | | 9.4 | 14 3.2 | 47.8 | | 9.5 | 24 15.0 | 27.8 | | 8.5 | 24.4 | 37.2 | K | 9.1 | 44.6 | 15.0 | |
| 9.1 | 27.8 | 58.8 | | 9.3 | 4.5 | 7.5 | | 7.4 | 19.4 | 52.8 | B | 9.5 | 34.9 | 38.5 | | 9.1 | 55.2 | 2.3 | |
| 9.0 | 5 1.3 | 35.1 | | 9.5 | 5.0 | 1.7 | | 9.1 | 29.5 | 6.2 | | 9.3 | 41.7 | 8.2 | K | 8.8 | 49 7.1 | 37.2 | |
| 8.8 | 34.4 | 53.6 | | 9.5 | 17.3 | 38.3 | | 9.3 | 49.0 | 44.2 | | 6.3 | 45.3 | 8.9 | Kb | 8.6 | 26.9 | 10.9 | K |
| 7.0 | 50.3 | 35.6 | K | 9.3 | 21.4 | 34.0 | | 9.0 | 55.4 | 20.0 | | 9.3 | 55.0 | 19.5 | | 8.2 | 40.7 | 8.6 | K |
| 9.0 | 52.8 | 32.3 | | 9.4 | 54.2 | 56.5 | | 9.5 | 25 12.0 | 40.5 | | 9.4 | 36 19.5 | 17.4 | | 9.4 | 57.5 | 19.7 | |
| 9.4 | 6 0.0 | 20.3 | | 9.3 | 59.3 | 27.0 | | 9.5 | 26.9 | 19.0 | | 9.5 | 28.2 | 37.8 | | 9.5 | 59.1 | 57.8 | |
| 7.9 | 0.5 | 39.1 | K | 9.5 | 15 14.1 | 54.6 | | 8.3 | 32.7 | 54.2 | | 5.9 | 33.4 | 25.0 | G | 9.3 | 50 10.5 | 39.6 | |
| 9.5 | 15.4 | 0.1 | | 7.8 | 17.4 | 49.8 | K | 9.5 | 50.4 | 2.0 | | 9.5 | 37.6 | 21.0 | | 9.0 | 14.8 | 27.1 | K |
| 7.7 | 21.4 | 10.9 | K | 9.1 | 24.5 | 14.8 | | 9.5 | 26 13.9 | 27.4 | | 7.6 | 42.4 | 23.4 | G | 9.5 | 35.8 | 54.5 | |
| 8.5 | 29.3 | 55.9 | | 8.5 | 55.0 | 21.7 | | 8.8 | 20.4 | 57.5 | K | 9.5 | 54.2 | 0.7 | | 9.5 | 54.5 | 25.3 | |
| 8.7 | 29.8 | 39.5 | K | 9.0 | 16 2.7 | 16.3 | | 8.9 | 24.5 | 43.0 | | 9.3 | 59.6 | 56.2 | | 9.5 | 51 0.5 | 31.1 | |
| 9.3 | 35.4 | 50.1 | | 9.5 | 16.5 | 47.4 | | 9.5 | 56.0 | 24.9 | | 9.5 | 37 0.5 | 52.3 | | 8.8 | 23.2 | 14.6 | K |
| 9.5 | 39.0 | 4.3 | | 9.4 | 32.9 | 2.7 | | 9.3 | 27 0.0 | 53.1 | | 9.5 | 8.0 | 10.1 | | 9.4 | 26.1 | 1.4 | |
| 9.5 | 44.8 | 51.8 | | 7.2 | 17 10.0 | 19.2 | G | 9.5 | 7.2 | 30.8 | | 9.4 | 11.9 | 0.4 | | 9.5 | 29.2 | 59.4 | |
| 9.4 | 49.4 | 48.7 | | 7.6 | 11.5 | 4.9 | K | 9.5 | 16.4 | 48.9 | | 5.1 | 16.9 | 29.8 | Kb | 8.0 | 33.9 | 45.9 | K |
| 9.5 | 7 14.6 | 35.0 | | 9.4 | 12.9 | 1.5 | K | 7.5 | 22.9 | 11.5 | B | 9.2 | 20.2 | 42.4 | | 9.5 | 58.5 | 56.0 | |
| 9.2 | 46.5 | 40.0 | | 9.1 | 13.0 | 2.4 | | 8.8 | 24.3 | 1.6 | | 9.5 | 26.7 | 42.9 | | 9.5 | 52 20.6 | 59.2 | |
| 9.3 | 48.8 | 15.7 | | 9.0 | 48.0 | 38.4 | | 8.9 | 30.0 | 39.9 | K | 9.0 | 34.7 | 56.8 | | 9.3 | 36.0 | 33.3 | |
| 9.4 | 8 22.2 | 31.8 | | 8.7 | 53.0 | 14.4 | K | 9.5 | 39 0 | 54.7 | | 8.8 | 36.4 | 51.1 | K | 9.4 | 41.5 | 41.2 | |
| 9.5 | 31.4 | 41.9 | | 9.5 | 18 14.0 | 40.0 | | 9.5 | 55.6 | 1.0 | | 8.8 | 38 9.5 | 22.3 | | 9.5 | 47.7 | 11.3 | |
| 7.0 | 45.3 | 32.8 | L | 9.5 | 14.3 | 12.4 | | 9.5 | 28 7.0 | 22.5 | | 9.5 | 28.9 | 4.9 | | 9.1 | 50.1 | 46.9 | K |
| 9.1 | 50.7 | 23.6 | K | 9.5 | 20.4 | 51.7 | | 9.5 | 55.7 | 2.0 | | 9.5 | 39.0 | 7.8 | | 8.6 | 53 8.4 | 49.3 | K |
| 9.5 | 51.0 | 0.4 | | 9.4 | 28.9 | 45.1 | | 8.3 | 29 2.4 | 38.7 | K | 9.4 | 42.6 | 55.7 | | 8.3 | 17.0 | 40.8 | |
| 9.5 | 53.8 | 47.0 | | 9.5 | 34.2 | 58.4 | | 9.5 | 8.0 | 16.7 | | 9.3 | 39 4.9 | 46.2 | | 8.5 | 17.4 | 23.3 | |
| 9.2 | 54.2 | 9.9 | | 9.5 | 19 10.5 | 28.3 | | 9.4 | 21.5 | 43.5 | | 9.5 | 11.0 | 4.9 | | 9.1 | 38.9 | 0.0 | |
| 9.5 | 54.4 | 38.1 | | 9.3 | 19.9 | 44.4 | | 9.5 | 22.5 | 28.8 | | 9.5 | 31.0 | 39.3 | | 9.1 | 43.4 | 52.1 | K |
| 9.3 | 9 41.3 | 59.8 | | 9.5 | 26.9 | 15.6 | | 9.0 | 54.4 | 21.1 | | 9.5 | 34.9 | 4.7 | | 9.4 | 54 9.3 | 31.6 | |
| 9.5 | 42.1 | 11.8 | | 9.5 | 31.3 | 59.5 | | 8.4 | 30 4.4 | 23.8 | | 8.9 | 44.0 | 31.8 | | 9.3 | 23.9 | 9.7 | |
| 8.2 | 44.2 | 36.5 | K | 9.5 | 32.0 | 3.7 | | 8.5 | 32.5 | 47.0 | | 9.5 | 46.6 | 52.9 | | 9.0 | 52.9 | 36.5 | |
| 9.3 | 49.3 | 41.7 | | 7.8 | 33.9 | 27.2 | K | 8.5 | 35.0 | 5.3 | | 8.6 | 50.5 | 44.7 | | 8.5 | 57.8 | 1.1 | |
| 9.3 | 10 10.5 | 42.1 | K | 9.5 | 20 3.0 | 6.0 | | 9.4 | 42.3 | 26.0 | | 9.5 | 40 48.2 | 19.9 | | 8.5 | 55 8.1 | 23.0 | K |
| 9.1 | 19.9 | 46.8 | K | 8.5 | 11.5 | 10.2 | | 9.0 | 47.4 | 40.0 | | 9.1 | 42 41.3 | 6.9 | a | 9.3 | 16.6 | 43.8 | |
| | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | 22.83 | 2.41 | | 10pr. | 23.16 | 2.50 | | 10pr. | 23.56 | 2.60 | | 10pr. | 24.00 | 2.70 | | 10pr. | 24.55 | 2.81 | |

| 4654ᵃ | | | |
|---|---|---|---|
| 8.9 | 45 | 46.0 | 43.1 | a |

| 4701—4760 | | | | 4761—4820 | | | | 4821—4880 | | | | 4881—4940 | | | | 4941—5000 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21ʰ—22ʰ | +40° | | | 22ʰ | +40° | | | 22ʰ | +40° | | | 22ʰ | +40° | | | 22ʰ—23ʰ | +40° | |
| m | | ′ ″ | ′ | m | | ′ ″ | ′ | m | | ′ ″ | ′ | m | | ′ ″ | ′ | m | | ′ ″ | ′ | |
| 9.5 | 55 | 17.4 | 8.7 | 9.5 | 7 | 34.7 | 10.4 | 9.4 | 19 | 45.4 | 22.6 | 9.1 | 34 | 53.2 | 23.2 | 9.5 | 49 | 6.5 | 2.2 | |
| 9.3 | | 17.6 | 48.3 | 9.4 | | 41.4 | 57.6 | 9.0 | 20 | 7.9 | 23.5 | 8.9 | | 56.4 | 16.9 | K | 8.8 | | 19.9 | 34.8 | L |
| 9.5 | | 32.4 | 38.3 | 9.5 | | 43.6 | 5.9 | 9.4 | | 37.0 | 26.5 | 9.2 | 35 | 6.6 | 11.5 | | 9.0 | | 21.6 | 50.7 | |
| 7.2 | | 44.0 | 50.7 | K | 9.4 | | 54.2 | 48.3 | 9.5 | 21 | 7.8 | 25.8 | 8.9 | | 8.2 | 7.7 | | 9.2 | | 21.7 | 45.8 | |
| 8.8 | 56 | 24.1 | 29.8 | K | 9.3 | 8 | 10.4 | 51.6 | 9.5 | | 9.5 | 21.9 | 6.1 | | 9.4 | 49.2 | K | 9.4 | | 30.0 | 12.0 | |
| 9.0 | | 32.5 | 31.6 | | 8.7 | | 46.5 | 58.9 | Kb | 9.4 | | 15.7 | 59.2 | 9.5 | 36 | 2.7 | 24.7 | B | 8.8 | | 35.1 | 15.5 | K |
| 9.4 | | 39.0 | 5.7 | | 9.5 | 9 | 3.4 | 27.5 | | 9.5 | | 30.0 | 27.3 | 8.9 | | 52.1 | 56.4 | | 9.1 | | 41.9 | 7.5 | |
| 9.4 | | 53.3 | 9.1 | | 8.8 | | 6.2 | 2.6 | K | 9.5 | | 37.0 | 26.9 | 9.0 | 37 | 25.7 | 48.5 | K | 9.5 | | 47.6 | 8.0 | |
| 9.5 | | 54.4 | 25.4 | | 7.3 | | 18.0 | 7.9 | K | 8.5 | 23 | 2.2 | 22.5 | 9.1 | | 27.2 | 58.7 | | 6.2 | | 48.1 | 50.6 | Sb |
| 7.6 | 57 | 9.9 | 42.1 | K | 9.3 | 10 | 30.4 | 34.8 | | 9.5 | | 14.8 | 25.9 | 8.5 | | 47.6 | 45.5 | K | 9.2 | | 50.2 | 22.8 | K |
| 8.5 | | 16.9 | 21.2 | K | 8.9 | 11 | 0.1 | 14.3 | K | 9.0 | | 22.6 | 10.8 | K | 9.4 | | 57.0 | 25.6 | B | 9.4 | | 55.4 | 25.2 | |
| 9.5 | | 23.0 | 56.1 | | 8.9 | | 42.6 | 40.6 | B | 8.8 | | 30.0 | 43.0 | | 9.5 | | 59.2 | 1.2 | | 9.3 | 50 | 9.3 | 15.5 | |
| 9.5 | | 28.4 | 48.4 | | 9.3 | | 45.4 | 49.0 | | 8.8 | | 37.3 | 41.3 | | 8.9 | 38 | 9.9 | 23.3 | | 8.3 | | 23.9 | 8.0 | |
| 9.5 | | 56.1 | 20.8 | | 9.4 | 12 | 3.3 | 7.2 | | 9.0 | | 38.2 | 35.6 | | 9.5 | | 12.2 | 45.6 | B | 9.5 | 51 | 2.2 | 11.3 | |
| 9.5 | | 57.1 | 17.2 | | 9.0 | | 24.7 | 26.1 | | 7.0 | | 54.0 | 13.7 | K | 9.5 | | 28.9 | 6.4 | | 9.2 | | 33.6 | 12.7 | |
| 9.5 | 58 | 13.3 | 14.7 | | 8.9 | | 35.0 | 48.2 | | 9.0 | | 58.3 | 47.0 | B | 9.5 | | 32.0 | 3.1 | | 9.3 | 52 | 9.3 | 11.4 | |
| 9.5 | | 21.5 | 49.4 | | 9.0 | | 46.8 | 53.4 | B | 9.5 | 24 | 10.0 | 31.5 | | 9.5 | | 48.2 | 18.3 | | 9.2 | | 27.1 | 57.3 | |
| 9.5 | | 32.6 | 23.6 | | 9.2 | | 48.8 | 41.4 | | 9.5 | | 17.0 | 28.5 | | 9.5 | | 56.5 | 13.0 | | 8.3 | | 43.0 | 6.6 | K |
| 9.5 | | 47.0 | 28.9 | | 8.6 | | 52.6 | 16.0 | K | 9.0 | | 19.7 | 23.9 | | 9.4 | 39 | 2.0 | 15.8 | | 9.5 | | 47.8 | 36.0 | |
| 9.0 | | 54.6 | 15.7 | Kb | 9.5 | 13 | 6.7 | 57.1 | | 9.5 | | 38.2 | 26.7 | | 9.5 | | 2.9 | 59.3 | | 9.5 | | 53.5 | 1.8 | |
| 9.5 | 59 | 39.4 | 51.7 | | 9.4 | | 12.9 | 27.0 | | 9.2 | | 42.7 | 12.4 | | 8.6 | | 9.2 | 26.6 | | 9.3 | 53 | 0.9 | 20.3 | B |
| 7.8 | | 39.9 | 39.0 | K | 9.5 | | 23.4 | 9.4 | | 9.1 | | 57.8 | 42.3 | | 9.4 | | 53.9 | 3.2 | | 9.5 | | 0.9 | 17.3 | |
| 9.0 | 0 | 39.4 | 4.8 | | 9.3 | | 28.7 | 57.2 | | 8.0 | 25 | 0.9 | 28.4 | S | 9.4 | | 56.2 | 26.7 | | 9.5 | | 39.2 | 44.8 | |
| 9.3 | | 50.6 | 7.8 | a | 8.8 | | 41.1 | 9.1 | | 9.4 | | 46.8 | 40.5 | | 9.4 | | 56.3 | 24.0 | | 8.6 | | 39.8 | 59.6 | |
| 9.0 | | 53.5 | 21.9 | | 8.3 | | 50.2 | 58.7 | K | 8.8 | 26 | 23.3 | 5.2 | | 9.1 | 40 | 19.2 | 32.5 | Kb | 8.3 | | 42.7 | 22.2 | B |
| 9.2 | 1 | 30.0 | 22.7 | | 8.8 | | 54.7 | 44.2 | | 9.1 | | 28.6 | 21.5 | | 9.5 | | 29.7 | 21.7 | | 9.5 | 54 | 25.4 | 19.3 | |
| 9.3 | | 33.9 | 38.4 | | 9.5 | 14 | 45.6 | 4.0 | | 9.1 | | 28.7 | 17.6 | | 9.5 | | 35.8 | 51.9 | | 9.5 | | 25.7 | 2.3 | |
| 8.7 | | 47.1 | 55.1 | | 9.5 | | 48.8 | 15.4 | | 7.5 | | 41.9 | 36.3 | B | 9.4 | | 42.7 | 43.7 | | 9.0 | | 39.8 | 49.7 | K |
| 9.5 | | 47.7 | 20.2 | | 8.0 | | 49.9 | 51.7 | L | 9.5 | | 57.8 | 28.4 | | 9.3 | 41 | 8.0 | 5.2 | | 9.5 | 55 | 34.3 | 40.4 | |
| 9.5 | 2 | 8.4 | 43.6 | | 9.0 | 15 | 5.2 | 30.0 | | 6.7 | 27 | 10.6 | 3.5 | K | 8.5 | | 13.9 | 19.3 | K | 8.8 | | 40.7 | 37.8 | K |
| 9.4 | | 9.7 | 54.1 | | 8.8 | | 11.7 | 33.0 | | 8.3 | | 17.5 | 25.8 | B | 9.5 | | 30.5 | 13.7 | | 8.7 | | 41.5 | 16.6 | |
| 8.6 | | 17.9 | 14.6 | | 9.4 | | 38.7 | 57.6 | | 9.0 | | 28.2 | 55.3 | | 8.0 | | 44.4 | 46.5 | B | 9.4 | | 57.8 | 57.0 | |
| 8.7 | | 25.4 | 43.5 | K | 9.5 | | 45.5 | 56.8 | | 9.1 | | 51.4 | 39.9 | | 9.0 | 42 | 2.7 | 50.0 | | 8.0 | 56 | 1.6 | 29.4 | K |
| 9.0 | | 55.5 | 13.7 | | 9.5 | 16 | 8.6 | 2.3 | | 7.2 | 28 | 7.5 | 2.3 | K | 9.5 | | 32.3 | 21.4 | | 8.3 | | 6.7 | 25.9 | K |
| 9.4 | | 53.2 | 5.1 | | 9.3 | | 19.6 | 14.3 | | 9.2 | | 7.6 | 30.8 | | 9.3 | | 44.0 | 5.2 | | 9.5 | | 18.5 | 20.2 | |
| 8.7 | 3 | 2.6 | 1.4 | K | 9.2 | | 25.4 | 19.7 | | 7.7 | | 32.0 | 49.5 | K | 8.8 | | 46.2 | 37.5 | | 9.4 | | 26.7 | 37.5 | |
| 8.4 | | 6.7 | 18.8 | | 9.2 | | 29.5 | 53.6 | | 9.5 | 29 | 52.8 | 43.4 | | 9.4 | 43 | 6.3 | 11.7 | | 9.5 | | 39.6 | 2.1 | |
| 9.4 | | 13.2 | 25.0 | | 9.5 | | 39.6 | 1.8 | | 9.5 | 30 | 7.5 | 54.1 | | 9.3 | | 20.2 | 36.7 | | 8.6 | | 48.1 | 36.2 | |
| 8.9 | | 15.7 | 34.1 | | 8.4 | | 49.7 | 31.8 | K | 9.4 | | 8.2 | 18.3 | | 8.8 | | 22.5 | 28.3 | | 9.4 | 57 | 2.1 | 22.3 | |
| 9.2 | | 22.8 | 5.8 | | 9.2 | 17 | 3.0 | 11.1 | B | 9.5 | | 27.7 | 24.2 | | 9.1 | | 24.7 | 15.8 | | 9.5 | | 6.8 | 37.6 | |
| 9.4 | | 27.9 | 0.9 | | 9.4 | | 12.2 | 15.5 | | 9.2 | | 58.8 | 2.2 | b | 9.4 | | 28.4 | 2.0 | | 9.0 | | 10.8 | 6.3 | K |
| 8.9 | | 31.0 | 5.6 | K | 9.4 | | 27.2 | 5.9 | | 9.0 | 31 | 0.7 | 16.2 | | 9.4 | | 52.2 | 11.0 | | 7.7 | | 42.6 | 29.3 | L |
| 9.3 | | 43.8 | 57.1 | | 9.5 | | 27.9 | 20.8 | | 8.3 | | 3.2 | 31.1 | | 9.2 | 44 | 8.3 | 18.2 | | 9.0 | | 45.5 | 47.3 | |
| 9.5 | | 51.5 | 14.4 | | 8.4 | | 29.0 | 10.2 | K | 9.3 | | 7.8 | 35.0 | | 8.9 | 45 | 8.1 | 32.3 | K | 9.1 | 58 | 9.8 | 18.0 | |
| 9.4 | 4 | 3.2 | 12.3 | | 9.5 | | 37.4 | 1.7 | | 9.5 | | 28.9 | 22.5 | | 8.3 | | 13.7 | 34.6 | K | 9.2 | | 10.0 | 23.4 | |
| 9.4 | | 6.1 | 8.6 | | 9.2 | | 39.1 | 50.0 | | 7.1 | | 43.9 | 22.1 | B | 7.0 | | 16.2 | 33.3 | K | 8.0 | | 11.3 | 39.2 | B |
| 9.4 | | 19.4 | 6.1 | | 9.1 | | 39.8 | 4.4 | | 9.5 | | 49.2 | 6.0 | | 9.0 | | 18.8 | 48.2 | | 9.5 | | 41.1 | 18.8 | |
| 9.1 | | 21.3 | 0.9 | B | 9.5 | | 58.7 | 55.7 | | 9.2 | | 59.4 | 59.0 | | 9.1 | | 27.4 | 39.5 | | 9.3 | | 45.2 | 55.0 | |
| 9.5 | | 36.7 | 29.6 | | 9.5 | 18 | 0.2 | 50.0 | | 8.8 | 32 | 2.6 | 38.1 | | 8.6 | | 33.3 | 4.7 | | 8.7 | | 56.3 | 53.8 | |
| 8.5 | | 43.2 | 26.0 | | 9.5 | | 1.3 | 11.3 | | 9.5 | | 23.7 | 1.1 | | 9.2 | | 35.2 | 49.2 | | 8.8 | 59 | 3.9 | 58.2 | |
| 9.0 | | 48.7 | 8.4 | K | 9.5 | | 4.9 | 40.2 | | 8.6 | | 47.7 | 9.4 | | 9.3 | | 38.2 | 50.2 | | 9.5 | | 22.2 | 28.5 | |
| 9.4 | 5 | 7.0 | 11.0 | B | 9.4 | | 18.9 | 5.5 | | 8.8 | 33 | 4.6 | 43.0 | | 9.1 | | 55.7 | 36.3 | K | 7.5 | | 45.6 | 42.5 | B |
| 9.5 | | 24.6 | 6.5 | B | 8.1 | | 21.7 | 34.0 | L | 8.3 | | 7.7 | 37.4 | L | 9.5 | 46 | 24.9 | 34.8 | | 9.0 | | 58.8 | 24.4 | |
| 8.8 | | 31.1 | 13.2 | B | 8.6 | | 34.1 | 23.9 | B | 8.3 | | 10.8 | 38.5 | K | 9.5 | | 40.7 | 4.4 | R | 9.4 | 0 | 13.1 | 13.3 | |
| 9.2 | 6 | 17.3 | 1.6 | B | 9.3 | | 34.4 | 58.8 | | 9.4 | | 19.9 | 29.8 | | 9.5 | 47 | 38.8 | 39.5 | | 8.8 | | 19.7 | 54.9 | |
| 8.7 | | 18.2 | 13.1 | B | 9.5 | | 48.7 | 57.5 | | 9.5 | | 25.8 | 55.2 | | 9.4 | 48 | 4.4 | 4.6 | | 9.0 | | 24.6 | 17.8 | |
| 9.5 | | 34.3 | 12.8 | | 9.5 | 19 | 11.7 | 43.0 | | 7.2 | | 39.9 | 34.6 | K | 9.2 | | 27.8 | 12.2 | | 9.0 | | 27.0 | 5.6 | |
| 8.0 | | 36.6 | 4.8 | B | 8.3 | | 12.6 | 32.3 | | 9.0 | | 50.7 | 43.0 | | 9.3 | | 35.2 | 29.4 | | 8.8 | | 28.2 | 38.3 | |
| 8.9 | 7 | 8.4 | 57.0 | | 9.4 | | 29.2 | 2.0 | | 9.5 | | 55.2 | 55.9 | | 9.3 | | 39.8 | 45.2 | B | 9.2 | | 35.6 | 3.7 | |
| 9.5 | | 21.5 | 6.2 | | 8.8 | | 41.2 | 19.1 | B | 9.5 | 34 | 32.1 | 31.9 | | 9.3 | | 56.7 | 50.6 | | 9.5 | 1 | 17.0 | 27.8 | |
| | | + | + | | | + | + | | | + | + | | | + | + | | | + | + | |
| 10pr. | | 25.10 | 2.90 | 10pr. | | 25.68 | 3.00 | 10pr. | | 26.22 | 3.07 | 10pr. | | 26.87 | 3.15 | 10pr. | | 27.53 | 3.21 |

| 4729 a | | | | |
|---|---|---|---|---|
| 8.6 | 2 | 8.0 | 15.6 | a |

| 4950 a | | | | |
|---|---|---|---|---|
| 9.5 | 49 | 51.1 | 50.6 | a |

**23ᵘ** **+40°**

| 5001—5048 | | | | | 5049—5096 | | | | | 5097—5144 | | | | | 5145—5192 | | | | | 5193—5236 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 23ᵘ | | +40° | | | 23ᵘ | | +40° | | | 23ᵘ | | +40° | | | 23ᵘ | | +40° | | | 23ᵘ | | +40° | |
| m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | | m | ′ | ″ | ′ | |
| 8.6 | 1 | 25.9 | 13.9 | | 7.4 | 13 | 6.8 | 57.4 | K | 9.5 | 24 | 35.5 | 23.3 | | 8.9 | 39 | 50.7 | 6.6 | K | 8.9 | 51 | 16.0 | 22.6 | K |
| 9.1 | | 49.9 | 48.4 | | 9.5 | | 36.8 | 53.7 | B | 9.1 | 25 | 6.6 | 54.0 | | 9.2 | | 57.4 | 43.1 | | 9.2 | | 18.3 | 25.9 | |
| 9.5 | | 50.6 | 41.8 | | 9.4 | | 50.4 | 49.2 | B | 8.9 | | 10.8 | 7.9 | | 9.1 | | 59.0 | 11.0 | K | 9.4 | | 23.5 | 2.3 | |
| 9.1 | | 53.3 | 29.6 | B♭ | 9.5 | | 53.7 | 45.2 | | 9.1 | | 10.8 | 16.0 | | 9.5 | 40 | 8.7 | 41.1 | | 8.3 | | 24.0 | 13.0 | R |
| 9.5 | 2 | 34.8 | 51.1 | | 9.4 | | 57.5 | 38.6 | | 9.5 | 26 | 13.7 | 6.0 | | 9.5 | | 46.1 | 7.6 | | 9.5 | | 24.8 | 31.8 | |
| 8.0 | 3 | 43.6 | 30.6 | K | 9.5 | 14 | 15.5 | 47.2 | | 9.1 | | 23.6 | 26.1 | | 8.0 | | 53.4 | 18.2 | K | 9.5 | | 43.8 | 2.2 | |
| 9.5 | | 52.8 | 50.4 | | 9.1 | | 19.2 | 26.4 | | 7.3 | | 27.3 | 50.3 | K | 9.2 | 41 | 12.8 | 53.0 | | 8.2 | | 44.1 | 21.7 | K |
| 9.3 | | 56.5 | 7.0 | | 8.9 | | 56.5 | 14.6 | | 9.3 | | 29.7 | 9.5 | | 9.5 | | 13.9 | 35.5 | | 7.8 | | 46.2 | 23.7 | K |
| 9.1 | 4 | 11.1 | 41.5 | | 8.0 | 15 | 22.8 | 30.6 | K♭ | 9.4 | 27 | 20.8 | 21.9 | | 9.2 | | 48.1 | 30.8 | | 9.5 | | 55.4 | 12.9 | |
| 9.3 | | 12.1 | 45.5 | B | 8.6 | | 35.7 | 58.0 | | 9.5 | | 37.4 | 41.8 | | 9.2 | | 48.2 | 36.7 | | 8.3 | | 56.8 | 19.6 | K |
| 9.4 | | 15.7 | 48.3 | | 9.5 | 16 | 9.3 | 17.1 | | 9.2 | 28 | 8.8 | 57.7 | | 9.5 | 42 | 31.0 | 30.5 | | 9.1 | 52 | 0.0 | 33.9 | |
| 9.0 | | 27.6 | 14.3 | K | 9.2 | | 9.5 | 21.2 | | 9.5 | | 24.9 | 26.8 | | 9.5 | | 31.7 | 45.6 | | 9.1 | | 8.0 | 44.2 | b |
| 9.3 | 5 | 3.8 | 58.8 | | 9.4 | | 28.2 | 41.7 | | 9.5 | | 34.8 | 6.4 | | 8.6 | 43 | 16.9 | 55.7 | K | 9.5 | | 23.8 | 54.8 | |
| 9.5 | | 4.2 | 54.2 | | 8.7 | | 34.6 | 51.2 | | 9.3 | | 35.7 | 57.3 | | 8.0 | | 35.4 | 57.2 | K | 9.4 | | 27.9 | 2.7 | |
| 9.5 | | 40.6 | 2.6 | | 8.8 | | 46.8 | 7.5 | K♭ | 9.1 | | 48.5 | 56.3 | B | 9.5 | | 38.6 | 10.2 | | 9.2 | | 28.8 | 10.6 | |
| 9.5 | | 58.1 | 51.0 | | 8.8 | | 47.5 | 44.2 | | 9.3 | | 58.2 | 12.7 | | 9.4 | | 39.0 | 34.7 | | 9.3 | | 32.7 | 15.3 | |
| 7.3 | 6 | 23.0 | 41.7 | B | 6.5 | 17 | 12.6 | 49.7 | G | 9.5 | 29 | 10.3 | 11.7 | | 7.8 | | 42.0 | 21.6 | G | 9.5 | | 39.3 | 27.6 | |
| 9.5 | | 38.2 | 50.8 | | 8.8 | | 37.2 | 5.7 | | 8.8 | | 27.1 | 52.8 | | 9.0 | 44 | 16.6 | 2.4 | | 9.2 | | 48.2 | 31.1 | |
| 9.0 | | 44.5 | 41.4 | | 9.3 | | 37.5 | 20.7 | | 9.5 | 30 | 16.9 | 0.5 | | 9.4 | | 38.0 | 30.3 | | 9.3 | 53 | 0.6 | 47.4 | |
| 9.2 | | 47.0 | 29.6 | | 7.0 | | 38.7 | 19.1 | K | 9.3 | | 38.6 | 45.4 | | 9.5 | 45 | 0.1 | 55.7 | | 9.5 | | 14.5 | 1.0 | |
| 9.2 | | 59.4 | 11.2 | | 9.1 | | 47.2 | 26.2 | B | 9.4 | | 48.6 | 32.7 | | 9.4 | | 17.0 | 2.8 | | 9.5 | | 41.1 | 54.2 | |
| 9.5 | 7 | 3.4 | 52.4 | | 9.3 | | 55.0 | 42.1 | | 9.3 | 31 | 12.8 | 48.8 | | 9.5 | | 21.2 | 44.3 | | 9.5 | | 46.5 | 15.1 | |
| 8.0 | | 5.1 | 0.9 | K | 9.4 | | 56.9 | 37.2 | | 8.1 | | 27.0 | 10.0 | B | 7.0 | | 42.4 | 32.5 | K | 8.5 | | 57.7 | 0.4 | K♭ |
| 9.2 | | 11.2 | 48.8 | | 9.5 | 18 | 34.2 | 20.9 | | 8.9 | | 28.8 | 49.4 | B | 9.4 | | 42.4 | 57.0 | | 9.5 | 54 | 1.3 | 14.5 | |
| 8.0 | | 49.6 | 29.2 | K | 8.2 | | 36.2 | 9.2 | B | 8.6 | | 37.6 | 1.7 | | 9.2 | | 44.3 | 31.7 | B | 9.5 | | 15.5 | 34.9 | |
| 9.0 | | 53.3 | 0.4 | K♭ | 8.5 | | 36.6 | 13.0 | B | 8.9 | | 38.5 | 15.7 | | 9.5 | | 47.7 | 7.2 | B | 9.5 | | 37.6 | 51.6 | |
| 9.5 | 8 | 8.2 | 51.9 | | 9.5 | 19 | 1.0 | 43.9 | | 9.5 | | 50.6 | 37.9 | | 9.5 | 46 | 18.8 | 5.2 | | 9.5 | | 58.6 | 52.3 | |
| 7.3 | | 9.2 | 21.9 | K | 9.5 | | 21.2 | 22.6 | | 9.5 | 32 | 6.2 | 23.0 | | 9.2 | | 21.2 | 20.0 | R | 9.5 | 55 | 16.9 | 8.5 | |
| 9.2 | | 13.1 | 9.5 | | 8.5 | | 36.9 | 38.2 | B | 9.4 | | 16.3 | 4.7 | | 9.4 | | 57.8 | 3.5 | | 9.5 | | 26.5 | 44.1 | |
| 9.4 | | 30.1 | 7.0 | | 7.5 | | 44.1 | 13.9 | K | 9.3 | | 28.4 | 17.5 | | 9.2 | 47 | 8.2 | 15.6 | | 9.5 | | 32.0 | 21.7 | |
| 9.1 | | 38.6 | 47.8 | B | 9.3 | | 49.4 | 33.2 | | 9.5 | | 58.2 | 27.2 | | 9.3 | | 13.4 | 39.6 | | 9.4 | 56 | 0.2 | 58.3 | |
| 9.4 | | 57.0 | 51.8 | | 9.0 | 20 | 28.0 | 23.7 | | 9.1 | 34 | 10.6 | 2.5 | | 9.5 | | 27.5 | 28.2 | | 9.4 | | 24.6 | 1.7 | |
| 9.4 | | 57.4 | 55.6 | | 9.2 | | 29.0 | 55.1 | B | 8.3 | | 31.8 | 58.3 | K | 9.3 | | 53.8 | 11.4 | | 9.5 | | 52.7 | 13.4 | B |
| 9.5 | 9 | 11.1 | 9.5 | | 9.5 | | 44.8 | 58.0 | | 9.5 | | 34.2 | 55.9 | | 9.2 | | 57.3 | 47.9 | | 9.5 | 57 | 20.6 | 47.9 | |
| 9.5 | | 22.4 | 43.1 | | 9.2 | 21 | 10.6 | 43.5 | | 9.5 | | 49.4 | 41.0 | | 8.3 | 48 | 5.0 | 16.5 | K | 9.5 | | 25.1 | 37.9 | |
| 8.4 | | 30.9 | 46.6 | K | 9.3 | | 15.5 | 24.0 | | 9.1 | 35 | 40.1 | 33.1 | K | 9.5 | | 43.9 | 26.8 | | 9.5 | 58 | 16.1 | 40.7 | |
| 8.5 | | 58.6 | 10.8 | K | 9.3 | | 16.2 | 31.2 | | 8.8 | | 40.8 | 30.3 | K | 9.5 | | 52.7 | 12.8 | | 9.5 | | 16.3 | 24.1 | |
| 8.5 | 10 | 17.9 | 50.4 | | 9.5 | | 41.9 | 57.0 | | 8.7 | | 56.2 | 10.1 | K | 9.4 | | 54.2 | 10.1 | | 9.2 | | 31.9 | 47.9 | K |
| 9.3 | | 56.0 | 7.9 | | 9.3 | 22 | 8.5 | 54.3 | B | 9.4 | 36 | 35.1 | 52.8 | | 9.1 | 49 | 9.4 | 55.1 | | 9.4 | | 33.6 | 25.0 | |
| 9.1 | | 57.9 | 3.2 | | 9.5 | | 12.5 | 59.0 | | 9.5 | 37 | 5.5 | 42.4 | | 9.4 | | 32.1 | 34.7 | | 9.5 | | 41.5 | 13.1 | |
| 9.2 | 11 | 3.2 | 16.0 | | 9.5 | | 40.9 | 10.2 | | 9.5 | | 15.6 | 45.9 | B | 9.4 | | 47.8 | 29.5 | | 6.8 | | 53.5 | 6.0 | K |
| 9.5 | | 27.6 | 6.8 | | 9.3 | | 43.1 | 44.5 | | 9.5 | | 25.1 | 35.9 | | 9.2 | | 48.2 | 25.1 | | 9.3 | | 54.7 | 38.2 | |
| 6.2 | | 31.8 | 58.7 | K♭ | 9.3 | | 51.7 | 23.6 | B | 9.3 | | 27.3 | 3.0 | | 7.8 | 50 | 1.8 | 48.4 | K | 9.1 | 59 | 34.5 | 22.3 | b |
| 9.5 | | 56.5 | 18.8 | | 9.0 | | 57.2 | 4.3 | | 9.3 | | 59.8 | 30.7 | | 9.4 | | 14.0 | 35.0 | | 9.5 | | 46.1 | 52.8 | |
| 9.3 | 12 | 14.8 | 34.4 | | 9.5 | | 59.6 | 27.1 | | 9.4 | 38 | 46.9 | 11.0 | | 9.5 | | 14.5 | 9.1 | | | | + | + | |
| 8.5 | | 21.2 | 48.4 | | 9.0 | 23 | 57.4 | 6.4 | K | 9.5 | | 47.6 | 0.4 | | 9.4 | | 16.3 | 50.8 | | 10pr. | | 30.41 | 3.34 | |
| 9.4 | | 37.2 | 50.3 | | 9.2 | 24 | 5.9 | 41.4 | | 9.0 | 39 | 42.5 | 25.8 | K | 9.2 | | 30.0 | 15.0 | | | | | | |
| 9.5 | 13 | 1.9 | 10.4 | | 9.4 | | 8.8 | 58.0 | | 9.5 | | 44.8 | 58.7 | | 9.3 | | 41.2 | 3.6 | | | | | | |
| | | + | + | | | | + | + | | | | + | + | | | | + | + | | | | | | |
| 10pr. | | 28.13 | 3.25 | | 10pr. | | 28.67 | 3.29 | | 10pr. | | 29.31 | 3.31 | | 10pr. | | 30.00 | 3.34 | | | | | | |

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